

authfull	inst_name	cntry	np6021	firstyr	lastyr
Chua, Leon	Department of Electrical Enginee	usa	735	1965	2022
Akagi, Hirofumi	Tokyo Institute of Technology	jpn	633	1976	2022
Blaabjerg, Frede	Aalborg University	dnk	2,750	1991	2022
Peng, Fang Z.	Florida State University	usa	500	1987	2022
Razavi, Behzad	University of California, Los Ange	usa	269	1992	2022
Guerrero, Josep M.	Aalborg University	dnk	1,259	2002	2022
Kolar, Johann W.	ETH Zürich	che	804	1984	2022
Zhu, Zi Qiang	The University of Sheffield	gbr	1,065	1989	2022
Holtz, Joachim	Bergische Universität Wuppertal	deu	170	1975	2022
Lee, Fred C.	Virginia Polytechnic Institute and	usa	1,146	1972	2022
Lipo, Thomas A.	University of Wisconsin-Madison	usa	679	1967	2022
Abidi, Asad A.	University of California, Los Ange	usa	251	1979	2022
Levi, Emil	Liverpool John Moores University	gbr	317	1987	2022
Borkar, Shekhar	Intel Corporation	usa	186	1988	2018
Singh, Bhim	Indian Institute of Technology De	ind	2,216	1981	2022
Emadi, Ali	McMaster University, Faculty of I	can	606	1997	2022
Rodriguez, Jose	Universidad Andrés Bello	chl	706	1982	2022
Chandrakasan, Anantha	Massachusetts Institute of Techn	usa	523	1991	2022
Mattavelli, Paolo	Università degli Studi di Padova	ita	479	1993	2022
Wai, Rong Jong	National Taiwan University of Sci	twn	274	1997	2022
Toliyat, Hamid A.	Texas A&M University	usa	477	1990	2022
Bose, Bimal K.	The University of Tennessee, Knc	usa	180	1964	2022
Lai, Jih Sheng	Virginia Polytechnic Institute and	usa	478	1985	2022
Sun, Jian	Rensselaer Polytechnic Institute	usa	197	1992	2022
Wu, Bin	Toronto Metropolitan University	can	455	1988	2021
Horowitz, Mark	Stanford University	usa	390	1982	2022
Kazimierzuk, Marian K.	Wright State University	usa	444	1977	2021
Chan, Ching Chuen	Harbin Institute of Technology	chn	281	1984	2022
Maksimovic, Dragan	University of Colorado Boulder	usa	398	1988	2022
Hui, S. Y. Ron	School of Electrical and Electroni	sgp	529	1988	2022
Jahns, Thomas M.	University of Wisconsin-Madison	usa	361	1980	2022
Tse, Chi Kong	City University of Hong Kong	hkg	728	1990	2022
Huang, Alex Q.	The University of Texas at Austin	usa	611	1990	2022
Zhong, Qing Chang	Illinois Institute of Technology	usa	276	2000	2022
Sakurai, Takayasu	The University of Tokyo	jpn	458	1979	2022
Benbouzid, Mohamed	Université de Brest (UBO)	fra	552	1993	2022
Sul, Seung Ki	Seoul National University	kor	548	1983	2022
Lorenz, Robert D.	University of Wisconsin-Madison	usa	559	1984	2022
Holmes, Donald Grahame	RMIT University	aus	253	1984	2022
Habetler, T. G.	School of Electrical and Compute	usa	384	1987	2022
Xue, Yusheng	State Key Laboratory of Smart Gr	chn	472	1987	2019
Lin, Faa Jeng	National Central University	twn	294	1985	2022
Bianchi, Nicola	Università degli Studi di Padova	ita	407	1995	2022
Hori, Yoichi	Tokyo University of Science	jpn	525	1980	2022
De Doncker, Rik W.	Rheinisch-Westfälische Techniscl	deu	780	1983	2022
Rabaey, Jan M.	University of California, Berkeley	usa	436	1979	2022
Divan, Deepak	School of Electrical and Compute	usa	419	1981	2022
Li, Yun Wei	University of Alberta	can	328	2004	2022

Harnefors, Lennart	ABB Corporate Research, Vastera	swe	176	1995	2022
Hajimiri, Ali	California Institute of Technology	usa	279	1997	2022
Krein, Philip T.	University of Illinois Urbana-Cham	usa	368	1981	2022
Soliman, Ahmed M.	Cairo University, Faculty of Engin	egy	455	1969	2022
Chau, K. T.	The University of Hong Kong	hkg	476	1990	2022
Babaei, Ebrahim	University of Tabriz	irn	440	2001	2022
Pillay, Pragasen	Concordia University	can	489	1986	2022
Tsividis, Yannis	Columbia University	usa	268	1976	2019
Wu, Chai Wah	IBM Thomas J. Watson Research	usa	125	1992	2017
Sansen, Willy	IEEE	bel	477	1972	2018
Liu, Shen Luan	National Taiwan University	twn	406	1990	2022
Boldea, Ion	Universitatea Politehnica Timisoa	rou	299	1974	2022
Enjeti, Prasad	Texas A&M University	usa	322	1985	2022
Dorrell, David G.	University of the Witwatersrand,	zaf	372	1994	2022
Ohnishi, Kouhei	Keio University	jpn	847	1978	2020
Smedley, Keyue Ma	University of California, Irvine	usa	255	1991	2022
Ferreira, Jan	Universiteit Twente	nld	512	1982	2022
Wheeler, Patrick	University of Nottingham	gbr	813	1993	2022
Lu, Jinhu	Beihang University	chn	389	2000	2022
Agelidis, Vassilios G.	Technical University of Denmark	dnk	469	1990	2022
Liserre, Marco	Christian-Albrechts-Universität z	deu	592	1999	2022
Boser, Bernhard E.	University of California, San Fran	usa	178	1988	2020
Jovanovic, Milan M.	Delta Electronics (Americas) Ltd.	usa	247	1985	2020
Niknejad, Ali M.	University of California, Berkeley	usa	329	1997	2022
Mi, Chunting Chris	San Diego State University	usa	295	1993	2022
Luo, Fang Lin	Nanyang Technological Universit	sgp	202	1984	2021
Loh, Poh Chiang	Chinese University of Hong Kong	hkg	461	2000	2022
Joos, Geza	Université McGill	can	519	1975	2022
Mishra, S. P.	Indian Institute of Technology De	ind	405	1995	2022
Xia, Changliang	College of Electrical Engineering,	chn	339	2001	2022
Williams, Barry	University of Strathclyde	gbr	448	1979	2022
Chung, Henry Shu Hung	City University of Hong Kong	hkg	517	1992	2022
Sullivan, Charles R.	Dartmouth College	usa	211	1992	2022
Choi, Han Ho	Dongguk University, Seoul	kor	134	1992	2022
Kennedy, Michael Peter	University College Dublin	irl	272	1978	2022
Howe, David	The University of Sheffield	gbr	435	1979	2011
Khaligh, Alireza	A. James Clark School of Enginee	usa	218	2003	2022
Nauta, Bram	Universiteit Twente	nld	294	1989	2022
Wang, Fei	The University of Tennessee, Knc	usa	560	2000	2022
Xu, Longya	The Ohio State University	usa	302	1988	2022
Lee, Thomas H.	Stanford University	usa	194	1992	2022
Fujita, Hideaki	Tokyo Institute of Technology	jpn	228	1990	2022
Sarpeshkar, Rahul	Dartmouth College	usa	131	1991	2022
Karimi-Ghartemani, Masoud	Mississippi State University	usa	128	2001	2022
El-Refaie, Ayman M.	Marquette University	usa	160	2000	2022
Qiao, Wei	University of Nebraska–Lincoln	usa	266	2005	2022
Lu, Wu Sheng	University of Victoria	can	362	1983	2020
Mohan, Ned	University of Minnesota Twin Cit	usa	344	1975	2022
Chow, Mo Yuen	NC State University	usa	244	1988	2019

Ruan, Xinbo	Nanjing University of Aeronautic	chn	577	1998	2022
Mizuno, Akira	Toyohashi University of Technolc	jpn	367	1977	2021
Rincon-Mora, Gabriel A.	School of Electrical and Compute	usa	135	1998	2022
Husain, Iqbal	NC State University	usa	357	1990	2022
Gielen, Georges	KU Leuven	bel	623	1989	2022
Murmann, Boris	Stanford University	usa	211	2003	2022
Krishnan, R.	Virginia Polytechnic Institute and	usa	177	1980	2020
Teodorescu, Remus	Aalborg University	dnk	498	1998	2022
Vittoz, Eric	Ecole Polytechnique Fédérale de	che	108	1969	2019
Geyer, Tobias	ABB System Drives	che	138	2003	2022
Friedman, Eby G.	University of Rochester	usa	447	1984	2022
Tseng, Chien Cheng	National Kaohsiung University of	twn	231	1993	2021
Harrison, Reid R.	Intan Technologies	usa	84	1995	2015
Hornng, Jiun Wei	Chung Yuan Christian University	twn	99	1995	2020
Czarnecki, Leszek S.	Louisiana State University	usa	138	1978	2021
Khadkikar, Vinod	Khalifa University of Science and	are	129	2004	2022
Indiveri, Giacomo	Universität Zürich	che	231	1992	2022
Corzine, Keith	University of California, Santa Cri	usa	199	1995	2022
Boahen, Kwabena	Stanford University	usa	102	1989	2022
Elwakil, A. S.	University of Sharjah	are	327	1997	2022
Boys, John	The University of Auckland	nzl	185	1977	2021
Hu, Jiabing	Huazhong University of Science a	chn	217	2005	2022
Miller, T. J.E.	CD-adapco	gbr	122	1976	2012
Long, John R.	University of Waterloo	can	238	1995	2021
Kazmierkowski, Marian P.	Politechnika Warszawska	pol	206	1973	2021
Middlebrook, R. D.	California Institute of Technology	usa	68	1956	2015
Dixon, Juan W.	Pontificia Universidad Católica de	chl	124	1985	2016
Dragicevic, Tomislav	Technical University of Denmark	dnk	306	2010	2022
Rahman, M. Azizur	Memorial University of Newfoun	can	368	1979	2013
Cauwenberghs, Gert	Department of Bioengineering	usa	365	1990	2022
Bernet, Steffen	Technische Universität Dresden	deu	171	1996	2022
Cheng, Ka Wai Eric	Hong Kong Polytechnic Universit	hkg	516	1990	2022
Batareseh, Issa	University of Central Florida	usa	425	1987	2022
Sylvester, Dennis	University of Michigan, Ann Arbc	usa	528	1996	2022
Steyaert, Michiel S.J.	University of California, Los Ange	usa	611	1985	2022
Sanders, Seth R.	Department of Electrical Enginee	usa	174	1985	2022
Wu, Tsai Fu	National Tsing Hua University	twn	233	1991	2022
Faiz, Jawad	University of Tehran	irn	343	1989	2022
Boglietti, Aldo	Politecnico di Torino	ita	240	1988	2022
Roska, Tamás	Pazmany Peter Katolikus Egyeter	hun	276	1971	2019
Tolbert, Leon M.	The University of Tennessee, Knc	usa	529	1992	2022
Hefner, Allen	Virginia Polytechnic Institute and	usa	131	1986	2017
Shepard, Kenneth L.	Columbia University	usa	240	1996	2022
Lin, Bor Ren	National Yunlin University of Scie	twn	498	1992	2022
Huber, Laszlo	Delta Electronics, Inc.	usa	67	1989	2022
Parsa, Leila	University of California, Santa Cri	usa	134	2002	2022
Alioto, Massimo	National University of Singapore	sgp	318	1998	2022
Miller, John M.	J-N-J Miller Pllc	usa	112	1996	2022
Rajashekara, Kaushik	University of Houston	usa	206	1981	2022

Moran, Luis	Universidad de Concepcion	chl	183	1987	2022
Boroyevich, Dushan	Virginia Polytechnic Institute and	usa	705	1994	2022
Erickson, Robert W.	University of Colorado Boulder	usa	127	1982	2022
Meher, Pramod K.	C.V. Raman Global University	ind	240	1992	2022
Bhattacharya, Subhashish	NC State University	usa	492	1992	2022
Ehsani, Mehrdad	Texas A&M University	usa	322	1979	2022
Ben-Yaakov, Shmuel	Ben-Gurion University of the Neg	isr	245	1976	2021
Rodríguez, Pedro	Luxembourg Institute of Science	lux	394	2002	2021
Delbruck, Tobi	Universität Zürich	che	171	1988	2022
Matsui, Nobuyuki	Nagoya Institute of Technology	jpn	365	1972	2021
Schoukens, Johan	Vrije Universiteit Brussel	bel	624	1981	2022
Meynard, Thierry	Institut National Polytechnique d	fra	180	1988	2022
Meyer, Robert G.	University of California, Berkeley	usa	122	1970	2014
Kinget, Peter R.	Columbia University	usa	232	1991	2022
Pintelon, Rik	Vrije Universiteit Brussel	bel	496	1983	2022
Brodersen, Robert	University of California, Berkeley	usa	287	1970	2019
Guo, Xiaoqiang	Yanshan University	chn	191	2006	2022
Sudhoff, Scott D.	Purdue University	usa	187	1989	2022
Hung, J. Y.	Auburn University	usa	154	1988	2020
Wang, Chengshan	Tianjin University	chn	596	1991	2022
Nam, Kwanghee	Pohang University of Science anc	kor	168	1987	2019
Kwasinski, Alexis	University of Pittsburgh	usa	158	2003	2022
Morimoto, Shigeo	Osaka Metropolitan University	jpn	329	1983	2022
Mecrow, Barrie C.	Newcastle University	gbr	193	1986	2021
Staszewski, Robert Bogdan	University College Dublin	irl	346	1994	2022
De, Vivek	Intel Corporation	usa	345	1988	2022
Nandi, Subhasis	University of Victoria	can	79	1991	2017
Redl, Richard	Redl Consulting	che	75	1973	2018
Charbon, Edoardo	Ecole Polytechnique Fédérale de	che	414	1990	2022
Yuce, Erkan	Pamukkale Üniversitesi	tur	167	2004	2022
Venkataramanan, Giri	University of Wisconsin-Madison	usa	218	1988	2022
Nussbaumer, Thomas	Levitronix GmbH	che	131	1991	2021
Tan, Siew Chong	The University of Hong Kong	hkg	239	2004	2022
Allstot, David J.	Oregon State University	usa	291	1978	2022
Enz, Christian	Ecole Polytechnique Fédérale de	che	330	1984	2022
Abuelma'Atti, Muhammad Taher	King Fahd University of Petroleur	sau	356	1980	2011
Shanbhag, Naresh R.	University of Illinois Urbana-Cha	usa	294	1988	2022
Mohammed, Osama	Florida International University	usa	663	1981	2022
Ogasawara, Satoshi	Hokkaido University	jpn	258	1983	2022
Yan, Yong	University of Kent	gbr	383	1990	2022
Jain, Praveen	Queen's University	can	582	1986	2022
Perreault, David J.	Massachusetts Institute of Techn	usa	242	1992	2022
Green, Tim C.	Imperial College London	gbr	305	1988	2022
Andreani, Pietro	Lunds Universitet	swe	163	1993	2022
Rufer, Alfred	Ecole Polytechnique Fédérale de	che	185	1990	2021
Veerachary, Mummadi	Indian Institute of Technology De	ind	243	1999	2022
Takahashi, Isao	Nagaoka University of Technolog	jpn	131	1972	2005
Steigerwald, Robert	GE Global Research	usa	70	1973	2018
Fuchs, Friedrich W.	Christian-Albrechts-Universität z	deu	173	1982	2019

Blasko, Vladimir	Raytheon Technologies Research	usa	72	1981	2021
Trzynadlowski, Andrzej M.	University of Nevada, Reno	usa	129	1985	2020
Chiba, Akira	Tokyo Institute of Technology	jpn	312	1986	2022
Lai, Yen Shin	National Taipei University of Technol	twn	178	1996	2021
Ghovanloo, Maysam	Bionic Sciences Inc.	usa	331	2002	2022
Ćuk, Slobodan	California Institute of Technology	usa	95	1977	2017
Malesani, L.	Università degli Studi di Padova	ita	73	1983	2000
Buja, Giuseppe	Università degli Studi di Padova	ita	201	1975	2022
Huijsing, Johan H.	Delft University of Technology	nld	213	1975	2022
Bhat, Ashoka	University of Victoria	can	191	1986	2021
Yoo, Hoi Jun	Korea Advanced Institute of Science	kor	573	1987	2022
Chan, Tze Fun	Hong Kong Polytechnic University	hkg	98	1986	2019
Kenneth, K. O.	The University of Texas at Dallas	usa	251	1984	2022
Heydari, Payam	University of California, Irvine	usa	182	1998	2022
Ioinovici, Adrian	Holon Institute of Technology	isr	161	1983	2022
Oda, Tetsuji	The University of Tokyo	jpn	162	1976	2018
Nee, Hans Peter	The Royal Institute of Technology	swe	258	1995	2022
Svensson, Christer	Linköpings Universitet	swe	276	1968	2021
Mazumder, Sudip K.	University of Illinois at Chicago	usa	255	1997	2022
Hasler, M.	Ecole Polytechnique Fédérale de	che	154	1976	2015
Williamson, Sheldon S.	Ontario Tech University	can	280	2004	2022
Russo, Fabrizio	Università degli Studi di Trieste	ita	94	1986	2019
Wang, Jiabin	The University of Sheffield	gbr	301	1993	2022
Radwan, Ahmed G.	Nile University	egy	393	1997	2022
Polinder, Henk	TU Delft - Department of Maritime	nld	224	1993	2022
Maloberti, Franco	Università degli Studi di Pavia	ita	579	1975	2022
Dougal, Roger A.	University of South Carolina	usa	330	1979	2021
Zargari, Navid R.	Rockwell Automation, Canada	can	205	1990	2022
Hurley, William Gerard	University of Galway	irl	140	1979	2020
Blaauw, David	University of Michigan, Ann Arbor	usa	608	1988	2022
Keyhani, Ali	The Ohio State University	usa	194	1983	2022
Marquardt, Rainer	Universität der Bundeswehr München	deu	45	1993	2022
Yu, Yixin	Tianjin University	chn	254	1983	2022
Yamamoto, Toshiaki	Osaka Metropolitan University	jpn	204	1981	2017
Arkkio, Antero	Aalto University	fin	276	1981	2022
Spiazzi, Giorgio	Università degli Studi di Padova	ita	193	1990	2022
Carley, L. R.	Carnegie Mellon University	usa	180	1983	2014
Shimizu, Toshihisa	Tokyo Metropolitan University	jpn	231	1982	2022
Oklobdzija, Vojin G.	University of Texas System	usa	165	1982	2017
Kennel, Ralph	Technical University of Munich	deu	621	1984	2022
Enslin, Johan H.	Clemson University	usa	210	1983	2021
Walden, Robert H.	Aerospace Corporation, USA	usa	78	1967	2009
Fabre, Alain	Laboratoire de l'Intégration du Num	fra	82	1983	2014
Sokal, Nathan O.	Design Automation, Inc	usa	75	1972	2018
Yamazaki, Katsumi	Chiba Institute of Technology	jpn	164	1996	2022
Lee, Jri	National Taiwan University	twn	60	1998	2017
Lee, Kyo Beum	Ajou University	kor	435	1997	2022

Chen, Yaow Ming	National Taiwan University	twn	160	1996	2022
Briz, Fernando	Universidad de Oviedo	esp	242	1991	2022
Vorperian, Vatche	Jet Propulsion Laboratory	usa	41	1982	2010
Fahimi, Babak	The University of Texas at Dallas	usa	325	1996	2022
Mitcheson, Paul D.	Imperial College London	gbr	136	2004	2022
Forti, Mauro	Università degli Studi di Siena	ita	126	1988	2022
Vasquez, Juan C.	Aalborg University	dnk	427	2007	2022
Torrey, David	GE Global Research	usa	103	1977	2020
Yuan, Xiaoming	Huazhong University of Science and Technology	chn	119	1998	2022
Banerjee, Soumitro	Indian Institute of Science Education and Research	ind	169	1992	2022
Uddin, M. Nasir	Lakehead University	can	254	1998	2022
Salam, Zainal	School of Electrical Engineering	mys	233	1999	2022
Lehn, Peter W.	University of Toronto	can	149	1995	2022
Osowski, Stanislaw	Politechnika Warszawska	pol	263	1973	2022
Thiringer, Torbjörn	Chalmers University of Technology	swe	213	1993	2022
Lee, Dong Choon	Yeungnam University	kor	206	1991	2022
Lehman, Brad	Northeastern University	usa	206	1988	2022
Van Wyk, J. D.	University of Johannesburg	zaf	413	1968	2014
Komurcugil, Hasan	Eastern Mediterranean University	tur	124	1997	2022
Palumbo, G.	Università degli Studi di Catania	ita	413	1990	2022
Cheng, Ming	Southeast University	chn	741	1996	2022
Bolognani, Silverio	Università degli Studi di Padova	ita	322	1980	2022
Thounthong, Phatiphat	King Mongkut's University of Technology	tha	227	2005	2022
Cardoso, Antonio J. Marques	CISE-Centro de Investigação em Engenharia	prt	338	1989	2022
Meijer, G. C.M.	Delft University of Technology	nld	180	1974	2018
Al-Haddad, Kamal	École de Technologie Supérieure	can	870	1985	2022
Kouro, Samir	Universidad Técnica Federico Santa María	chl	219	2003	2022
Martin, Kenneth	Granite SemiCom Inc.	can	147	1977	2020
Kuroda, Tadahiro	The University of Tokyo	jpn	351	1986	2022
Ferrero, Alessandro	Politecnico di Milano	ita	221	1979	2021
Lee, Wei Jen	The University of Texas at Arlington	usa	510	1986	2022
Slemon, Gordon R.	University of Toronto	can	100	1949	2005
Su, Gui Jia	Oak Ridge National Laboratory	usa	93	1993	2022
Ki, Wing Hung	Hong Kong University of Science and Technology	hkg	192	1987	2022
Gray, Paul R.	Department of Electrical Engineering	usa	182	1971	2011
Maheshwari, Sudhanshu	Aligarh Muslim University	ind	114	2000	2022
Ramirez-Angulo, Jaime	Tecnológico Nacional de México	mex	431	1983	2022
He, Zhengyou	Southwest Jiaotong University	chn	581	1999	2022
Liaw, Chang Ming	National Tsing Hua University	twn	169	1985	2022
Sen, Paresh C.	Queen's University	can	233	1968	2022
Khooban, Mohammad Hassan	Aarhus Universitet	dnk	192	2011	2022
Ding, Ming	Hefei University of Technology	chn	290	1987	2022
Sauter, Thilo	Institute of Computer Technology	aut	298	1994	2022
Noguchi, Toshihiko	Shizuoka University	jpn	184	1985	2022
Simoës, Marcelo G.	Vaasan Yliopisto	fin	236	1993	2022
Hua, Wei	Fuwai Hospital, Chinese Academy of Sciences	chn	426	2003	2022
Benz, Samuel P.	National Institute of Standards and Technology	usa	241	1988	2021

Grassi, Giuseppe	Universita del Salento	ita	185	1994	2022
Salmon, John	University of Alberta	can	167	1987	2022
Harjani, Ramesh	University of Minnesota Twin Cit	usa	269	1987	2022
Barbi, Ivo	Universidade Federal de Santa Ca	bra	325	1989	2022
Liu, Shih Chii	Universität Zürich	che	179	1989	2022
Nikolic, Borivoje	Department of Electrical Enginee	usa	248	1997	2022
Cecati, Carlo	Università degli Studi dell'Aquila	ita	236	1986	2022
Covic, Grant A.	The University of Auckland	nzl	187	1988	2022
Liang, Tsornng Juu	National Cheng Kung University	twn	252	1993	2022
Espinoza, José	Universidad de Concepcion	chl	266	1990	2022
Šabanović, Asif	International University of Saraje	bih	232	1979	2022
Darabi, Hooman	Broadcom Inc., San Jose	usa	92	1999	2022
Hamill, D. C.	University of Surrey	gbr	51	1988	2005
Kutkut, Nasser	University of Central Florida	usa	64	1993	2019
Abu-Rub, Haitham	Texas A&M University at Qatar	qat	371	2000	2022
Gilbert, Barrie	Analog Devices, Inc.	usa	45	1968	2018
Hinkkanen, Marko	Aalto University	fin	150	2001	2022
Von Jouanne, Annette	Baylor University	usa	174	1994	2022
Frey, Douglas	Lehigh University	usa	60	1978	2019
Hancke, Gerhard P.	Nanjing University of Post and Te	chn	209	1989	2022
Huang, Qiuting	ETH Zürich	che	199	1987	2022
Abdel-Salam, Mazen	Assiut University	egy	276	1961	2022
Ju, Ping	Hohai University	chn	367	1989	2022
Silva-Martinez, Jose	Texas A&M University	usa	263	1981	2022
Vagati, Alfredo	Politecnico di Torino	ita	74	1980	2016
Steimer, Peter K.	Hitachi Power Grids Research	che	102	1984	2022
Ojo, Olorunfemi	University of KwaZulu-Natal	zaf	128	1988	2017
Jones, Martin	Liverpool John Moores University	gbr	217	1997	2021
Staton, David	Motor Design Ltd	gbr	144	1985	2021
Liu, Yan Fei	Queen's University	can	367	1988	2022
Chang, Chun Ming	Chung Yuan Christian University	twn	56	1991	2019
Minaei, Shahram	Doğuş Üniversitesi Istanbul	tur	196	2000	2022
Tang, Wallace K.S.	City University of Hong Kong	hkg	218	1994	2022
Tang, Ju	Wuhan University	chn	471	2000	2022
Kwak, Sangshin	Chung-Ang University	kor	169	2002	2022
Rahman, Muhammed	UNSW Sydney	aus	417	1982	2021
Buso, Simone	Università degli Studi di Padova	ita	133	1994	2022
Chung, Se Kyo	Gyeongsang National University	kor	53	1992	2021
Temes, Gabor C.	Oregon State University	usa	444	1961	2021
Zhang, Boming	Tsinghua University	chn	532	1986	2021
Saramaki, Tapio	Tampere University	fin	219	1978	2022
Tang, Guangfu	Global Energy Interconnection Re	chn	211	2005	2022
Craninckx, Jan	Interuniversity Microelectronics	bel	247	1993	2022
Franquelo, Leopoldo Garcia	Universidad de Sevilla	esp	302	1983	2022
Rathore, Akshay Kumar	Concordia University	can	296	2003	2022
Monti, Antonello	Rheinisch-Westfälische Techniscl	deu	643	1993	2022
Ridley, Raymond	Ridley Engineering	gbr	37	1987	2016

Kwon, Bong Hwan	Pohang University of Science and Technology	kor	148	1985	2022
Malinowski, Mariusz	Politechnika Warszawska	pol	144	1999	2022
Floyd, Brian	NC State University	usa	118	1998	2022
Kassakian, John	Massachusetts Institute of Technology	usa	100	1968	2016
Sanchez-Sinencio, E.	Texas A&M University	usa	410	1977	2022
Li, Hui	Chongqing University	chn	263	2001	2022
Salmasi, Farzad R.	University of Tehran	irn	74	2001	2022
Makinwa, Kofi A.A.	Delft University of Technology	nld	315	1987	2022
Cicekoglu, Oguzhan	Boğaziçi Üniversitesi	tur	183	1994	2022
Liu, Chunhua	City University of Hong Kong	chn	212	2006	2022
Ferdowsi, Mehdi	Missouri University of Science and Technology	usa	220	2003	2022
Bonnett, Austin H.	U.S. Electrical Motors	usa	92	1976	2021
Stojanović, Vladimir M.	Technische Universität Darmstadt	deu	268	1998	2022
Chapman, Patrick L.	SunPower Corporation	usa	142	1997	2015
Roberts, Gordon Walter	Université McGill	can	230	1985	2022
Broersen, P. M.T.	Delft University of Technology	nld	122	1973	2015
Lewis, Stephen H.	University of California, Davis	usa	89	1987	2022
Galton, Ian	University of California, San Diego	usa	116	1993	2022
Choi, Sewan	Seoul National University of Science and Technology	kor	127	1993	2022
Kawamura, Atsuo	Yokohama National University	jpn	421	1979	2021
Song, Bang Sup	University of California, San Diego	usa	101	1982	2017
Ha, Jung Ik	Seoul National University	kor	197	1996	2022
Wang, Chien Ming	National Ilan University	twn	72	1999	2016
He, Xiangning	College of Electrical Engineering, Tsinghua University	chn	637	1991	2022
Gupta, Amit Kumar	Birla Institute of Technology and Science	ind	246	2002	2022
Xu, Dianguo	Harbin Institute of Technology	chn	905	1994	2022
Yan, Ruqiang	Xi'an Jiaotong University	chn	292	2003	2023
Wang, Xiongfei	Aalborg University	dnk	375	2008	2022
Sachdev, Manoj	University of Waterloo	can	222	1993	2022
Clare, Jon	University of Nottingham	gbr	428	1983	2022
Cao, Wenping	Aston University	gbr	195	2000	2021
Skibinski, Gary	Rockwell Automation Headquarters	usa	89	1985	2022
Sun, Yichuang	University of Hertfordshire	gbr	257	1990	2022
Sundareswaran, K.	National Institute of Technology	ind	161	1971	2022
Kerkman, Russel J.	Rockwell Automation Headquarters	usa	103	1977	2018
Perrott, Michael	Khalifa University of Science and Technology	are	74	1990	2014
Nabae, Akira	Shimane University	jpn	106	1975	2002
Marques, Gil D.	Universidade de Lisboa	prt	94	1991	2021
Murthy, S. S.	Indian Institute of Technology Delhi	ind	170	1973	2022
Mahinda Vilathgamuwa, D.	Queensland University of Technology	aus	330	1988	2022
Lu, Dylan Dah Chuan	University of Technology Sydney	aus	239	2001	2022
Vukosavić, Slobodan N.	University of Belgrade	srb	111	1988	2022
Baschiroto, A.	Università degli Studi di Milano-Est	ita	594	1990	2022
Ziogas, P. D.	University of Toronto	can	179	1977	2015
Muetze, Annette	Technische Universität Graz	aut	201	2003	2022
Salama, Khaled	King Abdullah University of Science and Technology	sau	315	1997	2022
Capolino, Gerard Andre	Université de Picardie Jules Verne	fra	264	1990	2022

Masuda, Senichi	The University of Tokyo	jpn	135	1966	1996
Lutz, J.	Technische Universität Chemnitz	deu	196	1998	2021
Biolek, Dalibor	Univerzita obrany v Brne	cze	225	1986	2022
Pyrhonen, Juha	LUT University	fin	420	1991	2022
Culurciello, Eugenio	Micron Technology Incorporated	usa	135	2000	2022
Raychowdhury, Arijit	Georgia Institute of Technology	usa	244	2003	2022
Fujimoto, Hiroshi	The University of Tokyo	jpn	439	1997	2022
Gieras, Jacek F.	Bydgoszcz University of Science a	pol	101	1974	2022
Casadei, Domenico	Alma Mater Studiorum Universit	ita	205	1982	2021
Ngo, Khai D.T.	Virginia Polytechnic Institute and	usa	305	1983	2022
Li, Wuhua	College of Electrical Engineering,	chn	314	2004	2022
Orlowska-Kowalska, Teresa	Wrocław University of Science ar	pol	183	1981	2022
Wang, Shuo	University of Florida	usa	211	2003	2022
Zhang, Yongchang	North China Electric Power Unive	chn	220	2006	2022
Strollo, Antonio Giuseppe Maria	Università degli Studi di Napoli F	ita	154	1989	2022
Lian, Yong	Shanghai Jiao Tong University	chn	305	1993	2021
Ise, Toshifumi	School Corporation Nara Gakuen	jpn	249	1982	2022
Seevinck, Evert	Circuit Research International	nld	48	1976	2005
Hua, Chih Chiang	National Yunlin University of Scie	twn	107	1992	2022
Li, Yongdong	Tsinghua University	chn	455	1994	2022
Shmilovitz, Doron	Tel Aviv University	isr	126	1995	2022
Liao, Ruijin	Chongqing University	chn	624	1997	2022
Walker, Geoffrey	Queensland University of Techno	aus	73	1999	2022
Hong, Seung Ho	Hanyang University ERICA Campu	kor	123	1994	2022
Kuperman, Alon	Ben-Gurion University of the Neg	isr	206	2002	2022
Andò, B.	Università degli Studi di Catania	ita	401	1997	2023
Moon, Un Ku	Oregon State University	usa	304	1993	2022
Zanchetta, Pericle	University of Nottingham	gbr	352	1997	2022
Low, K. S.	National University of Singapore	sgp	186	1992	2021
Matsuzawa, Akira	Tokyo Institute of Technology	jpn	349	1982	2022
Su, Chun Lien	National Kaohsiung University of	twn	154	1999	2022
Marchesoni, Mario	Università degli Studi di Genova	ita	122	1988	2022
Ben-Brahim, Lazhar	Qatar University	qat	129	1990	2022
Ertugrul, Nesimi	The University of Adelaide	aus	146	1992	2022
Kawahito, Shoji	Shizuoka University	jpn	387	1986	2022
Zare, Firuz	Queensland University of Techno	aus	256	1999	2022
Bouscayrol, Alain	Université de Lille	fra	281	1994	2022
Le-Huy, Hoang	Université Laval	can	124	1975	2016
Rovatti, Riccardo	Alma Mater Studiorum Universit	ita	261	1993	2022
Wang, Jin	The Ohio State University	usa	249	2003	2022
Tseng, K. J.	Singapore Institute of Technolog	sgp	316	1989	2022
Hasler, Paul	School of Electrical and Compute	usa	287	1989	2013
Bult, Klaas	Delft University of Technology	nld	50	1986	2020
Harley, Ronald G.	University of KwaZulu-Natal	zaf	615	1974	2020
Ismail, Mohammed	Wayne State University	usa	595	1978	2022
Castilla, Miguel	Universitat Politècnica de Catalu	esp	175	1997	2022
Shen, Zheng John	Illinois Institute of Technology	usa	270	1992	2022

Vitelli, Massimo	Università degli Studi della Camp	ita	174	1993	2022
Zheng, Yuanjin	School of Electrical and Electroni	sgp	386	2000	2022
Verma, Naveen	Princeton University	usa	151	2005	2022
Do, Hyun Lark	Seoul National University of Scie	kor	113	2000	2022
Al-Alaoui, Mohamad Adnan	American University of Beirut	lbn	58	1977	2018
Suntio, Teuvo	Tampere University	fin	196	1987	2020
Ohishi, Kiyoshi	Nagaoka University of Technolog	jpn	564	1983	2022
Femia, Nicola	Università degli Studi di Salerno	ita	199	1991	2022
Monmasson, Eric	CY Cergy Paris Université	fra	229	1999	2022
Moschopoulos, Gerry	Western University	can	257	1991	2022
Radun, Arthur V.	GE Aviation	usa	65	1981	2014
Knight, Andrew M.	University of Calgary	can	178	1997	2022
Sawan, Mohamad	Westlake University	chn	719	1989	2022
Pou, Josep	School of Electrical and Electroni	sgp	343	1998	2022
Ismail, Esam H.	College of Technological Studies	kwt	54	1992	2015
Prodic, Aleksandar	University of Toronto	can	144	2000	2022
Pavan, Shanthi	Indian Institute of Technology M	ind	141	1998	2022
Sutanto, Danny	University of Wollongong	aus	342	1980	2022
Chandorkar, Mukul C.	Indian Institute of Technology Bc	ind	104	1992	2022
Tzou, Ying Yu	National Chiao Tung University	tw	120	1987	2019
Nasiri, Adel	University of Wisconsin-Milwaukee		161	2005	2021
Cavagnino, Andrea	Politecnico di Torino	ita	237	1998	2022
Manias, S. N.	National Technical University of /	grc	149	1982	2021
Muttaqi, Kashem M.	University of Wollongong	aus	452	1998	2022
Abu Qahouq, Jaber A.	The University of Alabama	usa	182	2000	2022
de la O Serna, José Antonio	Universidad Autónoma de Nuevc	mex	42	1998	2022
McGrath, Brendan P.	RMIT University	aus	179	1999	2022
Toumazou, Christofer	Imperial College London	gbr	497	1985	2022
Cheng, Shijie	Huazhong University of Science a	chn	442	1985	2022
Lopez-Martin, Antonio J.	Universidad Pública de Navarra	esp	313	1999	2022
Zhang, Bo	South China University of Techno	chn	472	1996	2022
Tang, Yi	School of Electrical and Electroni	sgp	287	1997	2022
Kim, Jonghoon	Chungnam National University	kor	242	1998	2022
Melkebeek, Jan	Universiteit Gent	bel	329	1982	2021
Leblebici, Yusuf	Ecole Polytechnique Fédérale de	che	514	1987	2022
Thomson, William T.	IEE	gbr	48	1984	2016
Jou, Hurng Liahng	National Kaohsiung University of	tw	127	1985	2022
Saeedifard, Maryam	School of Electrical and Compute	usa	152	2003	2022
Das, J. C.	Power System Studies, Inc.	usa	66	1983	2020
Kang, Sung Mo	University of California, Santa Cri	usa	374	1983	2016
Fortuna, Luigi	Università degli Studi di Catania	ita	680	1980	2022
Ma, Ke	Shanghai Jiao Tong University	chn	173	2008	2022
Cruz, Sergio M.A.	Instituto de Telecomunicações, C	prt	90	1995	2022
KJÆR, Søren Bækthøj	Danfoss AS	dnk	14	2001	2015
Klumpner, Christian	University of Nottingham	gbr	147	2000	2022
Zhu, Jian Guo	Faculty of Engineering	aus	875	1992	2022
Kim, IIsong	Korea National University of Trar	kor	21	2004	2019

Mellor, Phil	University of Bristol	gbr	249	1982	2022
Xiao, Xiangning	North China Electric Power Unive	chn	354	1999	2022
Rashid, Muhammad H.	Florida Polytechnic University	usa	121	1974	2020
Kundert, Kenneth S.	Designer's Guide Consulting	usa	51	1985	2020
Rim, Chun T.	Korea Institute of Energy Techno	kor	132	1987	2020
Muscas, Carlo	Università degli Studi di Cagliari	ita	187	1995	2022
van Schaik, André	The MARCS Institute for Brain, Be	aus	207	1990	2022
Bowes, Sidney R.	University of Bristol	gbr	67	1968	2007
Rodriguez-Villegas, Esther	Imperial College London	gbr	155	1996	2022
Popescu, Mircea	Università degli Studi dell'Aquila	ita	181	1998	2022
Liang, Xiaodong	University of Saskatchewan	can	173	2006	2022
Bauer, Pavol	Department of Electrical Sustaina	nld	428	1979	2022
Bellini, Alberto	Alma Mater Studiorum Universit	ita	118	1994	2021
Silva, José Fernando	Instituto Superior Técnico	prt	219	1983	2022
Liu, Yi Hwa	National Taiwan University of Sci	twn	104	1998	2020
Betz, R. E.	The University of Newcastle, Aus	aus	172	1976	2021
Hu, Yi	China Electric Power Research In	chn	91	2001	2017
Sebastian, Tomy	Halla Mechatronics	usa	90	1986	2022
Samueli, Henry	University of California, Los Ange	usa	93	1980	2020
Ismail, Yehea	American University in Cairo	egy	406	1998	2022
Schreier, Richard	Analog Devices	can	55	1989	2017
Hu, Aiguo Patrick	The University of Auckland	nzl	242	2000	2022
Tsang, K. M.	Hong Kong Polytechnic Universit	hkg	159	1989	2015
Norrnga, Staffan	The Royal Institute of Technology	swe	143	2000	2022
Hwu, Kuo Ing	National Taipei University of Tecl	twn	267	2000	2022
Jung, Jee Hoon	Ulsan National Institute of Scienc	kor	116	2004	2022
Kimball, Jonathan W.	Missouri University of Science an	usa	139	1996	2022
Preindl, Matthias	Columbia University	usa	88	2009	2022
Zhao, Bo	Zhejiang Electric Power Corporat	chn	151	2006	2022
Demerdash, Nabeel A.O.	Marquette University	usa	261	1972	2022
Qian, Zhaoming	Zhejiang University	chn	479	1995	2020
Burgos, Rolando	Virginia Polytechnic Institute and	usa	545	1997	2022
Pennisi, S.	Università degli Studi di Catania	ita	224	1994	2022
Futamura, Shigeru	National Institute of Advanced In	jpn	117	1979	2016
Andreou, Andreas G.	Johns Hopkins University	usa	322	1984	2022
Jullien, Graham A.	University of Calgary	can	412	1969	2016
Johnson, Christopher Mark	University of Nottingham	gbr	300	1989	2021
Vaez-Zadeh, Sadegh	University of Tehran	irn	153	1994	2022
Leenaerts, Domine M.W.	NXP Semiconductors	nld	166	1990	2022
Allard, Bruno	Université Claude Bernard Lyon 1	fra	348	1991	2022
Li, Hui	Florida State University	usa	174	2000	2022
Rivera, Marco	Universidad de Talca	chl	409	2007	2022
Hur, Jin	Incheon National University	kor	223	1997	2022
Tiebout, Marc	Infineon Technologies AG, Austri	aut	126	1996	2020
Sackinger, Eduard	Ikanos Communications, Inc.	usa	33	1987	2012
Williamson, Stephen	The University of Manchester	gbr	44	1990	2007
El Aroudi, Abdelali	Universitat Rovira i Virgili	esp	207	1999	2022

Mirafzal, Behrooz	Kansas State University	usa	113	2003	2022
Jenq, Yih Chuyn	Portland State University	usa	60	1977	2016
Harris, John G.	University of Florida	usa	153	1986	2019
Filanovsky, Igor M.	University of Alberta	can	292	1978	2022
Koutroulis, Eftichios	Technical University of Crete	grc	90	2001	2022
Sedra, Adel S.	University of Toronto	can	119	1968	1997
Schrödl, Manfred	TU Wien	aut	95	1988	2022
Xiao, Weidong	The University of Sydney	aus	106	2004	2019
Antonino-Daviu, Jose A.	Instituto Tecnológico de la Energ	esp	232	1984	2022
Sarlioglu, Bulent	University of Wisconsin-Madison	usa	276	1994	2022
Yuan, Xibo	University of Bristol	gbr	164	2008	2022
Biela, Jurgen	ETH Zürich	che	242	1973	2022
Linares-Barranco, Bernabe	Universidad de Sevilla	esp	233	1988	2022
Reynaert, Patrick	Departement Elektrotechniek (E&	bel	266	2001	2022
Svensson, Jan R.	Hitachi Energy	swe	75	1996	2022
Perez, Marcelo A.	Universidad Técnica Federico Sar	chl	153	2000	2022
Pena, Ruben	Universidad de Concepcion	chl	146	1993	2022
Krummenacher, François	Ecole Polytechnique Fédérale de	che	137	1979	2017
Lee, Jun Young	Myongji University	kor	94	1996	2022
Ukil, Abhisek	The University of Auckland	nzl	205	2005	2022
Wang, Z.	NXP Semiconductors	che	33	1988	1993
Mok, Philip K.T.	Hong Kong University of Science	hkg	205	1992	2022
Zimmermann, Horst	Technische Universität Wien	aut	498	1989	2022
Iu, Herbert Ho Ching	The University of Western Austrā	aus	394	1998	2022
Agarwal, Vivek	Indian Institute of Technology Bc	ind	345	1992	2022
Hinamoto, Takao	Hiroshima University	jpn	376	1975	2020
Zhang, Xiaoxing	Hubei University of Technology	chn	490	2004	2022
Elbuluk, Malik E.	University of Akron	usa	152	1984	2021
Hudgins, Jerry L.	University of Nebraska–Lincoln	usa	149	1985	2021
Narendra, Siva G.	Tyfone, Inc.	usa	89	1997	2018
Solero, Luca	Università degli Studi Roma Tre	ita	155	1996	2022
Jezernik, Karel	Univerza v Mariboru	svn	266	1983	2015
Reynolds, Scott K.	Tavish Design, LLC	usa	88	1991	2018
Zhang, Yan	Shanghai Jiao Tong University	chn	182	1998	2022
Romero-Troncoso, Rene	Universidad Autónoma de Queré	mex	234	1995	2022
Spagnuolo, Giovanni	Università degli Studi di Salerno	ita	210	1994	2022
Pacas, Mario	Hochschule für Technik und Wirt	deu	118	1982	2022
Wang, Huai	Aalborg University	dnk	294	2008	2022
Pallàs Areny, Ramon	Universitat Politècnica de Catalu	esp	189	1982	2021
Moon, Gun Woo	Korea Advanced Institute of Scie	kor	445	1993	2022
Siwakoti, Yam P.	University of Technology Sydney	aus	138	2010	2022
Carrara, Sandro	Ecole Polytechnique Fédérale de	che	300	1994	2022
Zoughi, Reza	Iowa State University	usa	309	1985	2022
Freeborn, Todd	The University of Alabama	usa	90	2010	2021
Yang, Yongheng	Zhejiang University	chn	382	2011	2022
Atallah, Kais	The University of Sheffield	gbr	144	1992	2022
Ranganathan, V. T.	Indian Institute of Science	ind	72	1981	2012

Chandra, Ambrish	École de Technologie Supérieure	can	336	1990	2022
Chen, Jiann Fuh	National Cheng Kung University	twn	250	1985	2022
Steurer, Michael	Florida State University	usa	217	2000	2022
Kolumban, Geza	Pazmany Peter Katolikus Egyeter	hun	76	1982	2022
Cortes, Patricio	ETH Zürich	che	64	2002	2018
Willson, A. N.	University of California, Los Ange	usa	226	1968	2019
Kovács-Vajna, Zsolt M.	Università degli Studi di Brescia	ita	121	1991	2022
Ionel, Dan M.	University of Kentucky	usa	227	1995	2022
Wu, Jinn Chang	National Kaohsiung University of	twn	123	1993	2022
Chen, Liang Ruei	National Changhua University of	twn	95	1995	2021
Aparin, Vladimir	Texas A&M University	usa	67	1994	2019
Iqbal, Atif	Qatar University	qat	402	1994	2022
Pelgrom, Marcel J.M.	Universiteit Twente	nld	44	1979	2022
Cardenas, Roberto	Universidad de Chile	chl	175	1995	2022
Imura, Takehiro	Tokyo University of Science	jpn	142	2006	2022
Filippetti, F.	Alma Mater Studiorum Universit	ita	132	1978	2017
Yang, C. K.Ken	University of California, Los Ange	usa	127	1994	2022
Xu, Jianping	Southwest Jiaotong University	chn	322	1988	2021
Kojabadi, Hossein Madadi	Sahand University of Technology	irn	85	2000	2022
Liu, Tian Hua	National Taiwan University of Sci	twn	189	1986	2022
Blackburn, D. L.	National Institute of Standards ai	usa	50	1974	2015
Calhoun, Benton H.	University of Virginia	usa	221	2001	2022
Liu, Wentai	University of California, Los Ange	usa	216	1984	2022
Tamura, Junji	Kitami Institute of Technology	jpn	319	1983	2022
Hamilton, Clark A.	National Institute of Standards ai	usa	97	1970	2011
Alonso, J. Marcos	Universidad de Oviedo	esp	317	1992	2022
Castello, Rinaldo	Università degli Studi di Pavia	ita	262	1978	2022
Sumner, Mark	University of Nottingham	gbr	354	1988	2022
Johansson, Hakan	Linköpings Universitet	swe	165	1996	2022
Golestan, Saeed	Aalborg University	dnk	91	2008	2022
Kim, Chul Hwan	SKKU College of Information and	kor	312	1995	2022
Rubaai, A.	Howard University	usa	98	1989	2022
Liu, Jian	Research Institute of State Grid S	chn	274	1995	2022
Mariethoz, Sebastien	Berner Fachhochschule	che	78	2002	2021
Pucci, Marcello	Consiglio Nazionale delle Ricerch	ita	191	2002	2022
Profumo, F.	Politecnico di Torino	ita	203	1983	2022
Davoudi, Ali	The University of Texas at Arlingt	usa	208	2006	2022
Panda, Sanjib Kumar	National University of Singapore	sgp	453	1987	2022
Steinke, Jürgen K.	ABB Power Grids	che	35	1988	2019
Lukic, Srdjan	NC State University	usa	167	2002	2022
Uno, Masatoshi	Ibaraki University	jpn	122	2005	2022
Lee, Hanho	Inha University	kor	130	1997	2022
Binder, Andreas	Technische Universität Darmstad	deu	213	1989	2022
Bermak, Amine	Hamad Bin Khalifa University, Co	qat	402	1997	2022
Rodriguez-Vazquez, Angel	Universidad de Sevilla	esp	543	1980	2022
McBride, John W.	University of Southampton	gbr	186	1986	2021
Manoli, Yiannos	Universität Freiburg	deu	386	1989	2022

Gustafsson, Oscar	Linköpings Universitet	swe	183	1999	2021
Takemoto, Masatsugu	Okayama University	jpn	158	1999	2022
Zhao, Chengyong	North China Electric Power Unive	chn	450	1998	2022
Jack, A. G.	Newcastle University	gbr	116	1978	2012
Mishra, Mahesh Kumar	Indian Institute of Technology M	ind	221	1998	2022
Jang, Yungtaek	Delta Electronics, Inc.	usa	93	1992	2021
Shaeffer, Derek K.	Invensense Inc.	usa	24	1996	2013
Kim, Kyeong Hwa	Seoul National University of Scie	kor	70	1995	2022
Wang, Zhongfeng	Nanjing University	chn	293	1998	2022
Newell, David	National Institute of Standards ar	usa	135	1990	2022
Lee, Sang Gug	Korea Advanced Institute of Scie	kor	333	1999	2022
Surakamponorn, W.	King Mongkut's Institute of Techn	tha	131	1978	2022
Psychalinos, C.	University of Patras	grc	263	1989	2022
Klumperink, Eric A.M.	Universiteit Twente	nld	196	1989	2022
Gilli, Marco	Politecnico di Torino	ita	171	1990	2022
Shu, Hongchun	Kunming University of Science ar	chn	365	1995	2022
Fiez, Terri S.	University of Colorado Boulder	usa	165	1989	2020
Leeb, Steven B.	Massachusetts Institute of Techn	usa	178	1989	2022
Castle, G. S.P.	Western University	can	130	1972	2016
Chen, Chern Lin	National Taiwan University	twn	131	1986	2017
Shen, Miaosen	United Technologies Research Ce	usa	48	2000	2014
Angrisani, Leopoldo	Università degli Studi di Napoli F	ita	297	1995	2022
Sheikholeslami, Ali	University of Toronto	can	127	1995	2022
Hosticka, Bedrich	Universität Duisburg-Essen	deu	269	1977	2020
Kliman, Gerald B.	Rensselaer Polytechnic Institute	usa	61	1972	2007
Oboe, Roberto	Università degli Studi di Padova	ita	157	1991	2022
Cafagna, Donato	Universita del Salento	ita	65	1996	2022
Svelto, Francesco	Università degli Studi di Pavia	ita	167	1993	2022
Leon, Jose Ignacio	Universidad de Sevilla	esp	139	2003	2022
Consoli, Alfio	Università degli Studi di Catania	ita	179	1977	2013
Li, Rui	University of Strathclyde	gbr	107	2008	2022
Ma, D. Brian	The University of Texas at Dallas	usa	128	2000	2017
Funaki, Tsuyoshi	Osaka University	jpn	204	1993	2022
Song, Qiang	Tsinghua University	chn	195	2000	2022
Choi, Byungcho	Kyungpook National University	kor	76	1990	2022
Grigorev, M. A.	South Ural State University	rus	61	2007	2021
Baas, Bevan M.	University of California, Davis	usa	84	1996	2021
Iniewski, Kris	Redlen Technologies Inc.	can	211	1982	2022
Gift, Stephan J.G.	The University of the West Indies	tto	71	1982	2019
Cam, Ugur	Dokuz Eylül Üniversitesi	tur	74	1998	2020
O'Neill, Maire	Queen's University Belfast	gbr	165	2000	2022
Etienne-Cummings, Ralph	Johns Hopkins University	usa	282	1990	2022
Kawahara, Takayuki	Tokyo University of Science	jpn	132	1985	2022
Kukrer, Osman	EEE	tur	84	1988	2022
Han, Byung Moon	Myongji University	kor	199	1989	2019
He, Yikang	Zhejiang University	chn	160	1983	2016
Zhao, Zhengming	Tsinghua University	chn	446	1994	2022

Undeland, Tore	Norges Teknisk-Naturvitenskape	nor	186	1975	2020
Saleh, S.	University of New Brunswick	can	183	2002	2022
Dahono, Pekik Argo	Institut Teknologi Bandung	idn	115	1992	2022
Smith, Alexander C.	The University of Manchester	gbr	134	1983	2022
Al-Hamouz, Zakariya	Indiana Institute of Technology	usa	86	1990	2020
Bruun, Erik	Technical University of Denmark	dnk	84	1975	2017
Chang, Liuchen	Emera & NB Power Research Cer	can	123	1989	2021
Tlelo-Cuautle, Esteban	Instituto Nacional de Astrofisica	mex	295	1997	2022
Guarnieri, Massimo	Università degli Studi di Padova	ita	157	1981	2022
Singer, Sigmund	Tel Aviv University	isr	89	1981	2021
Higashimura, Masami	National Institute of Technology,	jpn	54	1985	2005
Elmasry, M. I.	University of Waterloo	can	328	1973	2021
Ge, Baoming	Texas A&M University	usa	210	1997	2020
Larsson, Patrik	Nokia Bell Labs	usa	39	1993	2003
Hurst, Paul J.	University of California, Davis	usa	149	1979	2020
Molinas, Marta	Norges Teknisk-Naturvitenskape	nor	351	1996	2022
Bayoumi, Magdy	University of Louisiana at Lafayet	usa	686	1982	2022
Lee, Yuang Shung	Fu Jen Catholic University	twn	68	1985	2015
Forsyth, Andrew J.	The University of Manchester	gbr	185	1987	2022
Gosselin, Benoit	Université Laval	can	184	2003	2022
Ahmed, Nabil A.	College of Technological Studies	kwt	71	1995	2022
Annema, Anne Johan	Universiteit Twente	nld	91	1994	2022
Koval, D. O.	University of Alberta	can	203	1970	2011
Roboam, Xavier	Institut National Polytechnique d	fra	120	1992	2022
Ostović, Vlado	Hochschule für Technik und Wirt	deu	27	1984	2022
Abad, Gonzalo	Mondragon Unibertsitate	esp	62	2005	2022
Mutoh, Nobuyoshi	Tokyo Metropolitan University	jpn	94	1985	2013
Mroczka, Janusz	Wrocław University of Science ar	pol	148	1988	2022
Newcomb, Robert W.	A. James Clark School of Enginee	usa	281	1962	2020
Escobar, G.	Tecnologico de Monterrey	mex	206	1992	2022
Luo, An	Hunan University	chn	487	1995	2021
Ozpineci, Burak	Oak Ridge National Laboratory	usa	153	1998	2022
Kim, Hyosung	Kongju National University	kor	57	1993	2021
Galias, Zbigniew	AGH University of Science and Te	pol	127	1990	2022
Peyton, Anthony	The University of Manchester	gbr	310	1986	2022
Guo, You Guang	University of Technology Sydney	aus	531	1994	2022
Li, Jian	Chongqing University	chn	499	1995	2022
Setti, Gianluca	Politecnico di Torino	ita	258	1994	2022
Kamper, Maarten J.	Stellenbosch University	zaf	201	1993	2022
Pilawa-Podgurski, Robert Carl Nik	Department of Electrical Enginee	usa	175	2007	2022
Koizumi, Hirotaka	Tokyo University of Science	jpn	143	1994	2021
Delsing, Jerker	Luleå tekniska Universitet	swe	185	1986	2022
Daponte, Pasquale	Università degli Studi del Sannio	ita	264	1988	2022
Vazquez, Sergio	Universidad de Sevilla	esp	141	2003	2022
Kim, Chris H.	University of Minnesota Twin Cit	usa	240	2002	2022
Hagiwara, Makoto	Tokyo Institute of Technology	jpn	120	2002	2022
Petri, Dario	Università di Trento	ita	286	1987	2022

Jain, Shailendra	Sant Longowal Institute of Engine	ind	126	1999	2022
Harpe, Pieter	Technische Universiteit Eindhove	nld	137	2005	2022
Yadid-Pecht, Orly	University of Calgary	can	174	1991	2021
Tanzawa, Toru	Shizuoka University	jpn	79	1994	2021
Kung, Ying Shieh	Southern Taiwan University of Sc	twn	99	1991	2022
Sodini, Charles G.	Massachusetts Institute of Techn	usa	197	1976	2022
Rhee, Woogeun	Tsinghua University	chn	190	1996	2022
Nayar, C. V.	Regen Power Pty. Ltd.	aus	139	1985	2014
Shinnaka, Shinji	C&S International M5701	jpn	188	1980	2021
Acarney, Paul P.	Newcastle University	gbr	88	1977	2010
Ma, Weiming	Naval University of Engineering	chn	285	1996	2021
Balachandran, Wamadeva	Brunel University London	gbr	288	1978	2022
Chen, Yie Tone	National Yunlin University of Scie	twn	55	1994	2021
Hanumolu, Pavan	University of Illinois Urbana-Cha	usa	198	2003	2022
Tursini, Marco	Università degli Studi dell'Aquila	ita	86	1991	2022
Cheng, Haozhong	Shanghai Jiao Tong University	chn	437	1995	2022
Bojoi, Radu	Politecnico di Torino	ita	216	1998	2022
Lee, Hoi	The University of Texas at Dallas	usa	115	2000	2022
Chen, Degang	Iowa State University	usa	261	1990	2022
Seok, Jul Ki	Yeungnam University	kor	98	1995	2021
Ahmadi, Majid	University of Windsor	can	567	1980	2023
Dudek, Piotr	The University of Manchester	gbr	117	2000	2022
Lu, Shih Lien	TSMC		93	1994	2020
Jung, Jin Woo	Dongguk University, Seoul	kor	113	2004	2022
Deutsch, Alina	IBM Thomas J. Watson Research	usa	111	1976	2011
Itoh, K.	National Chiao Tung University	twn	153	1976	2019
Alghuwainem, Saad	King Saud University	sau	36	1992	2022
Yue, C. Patrick	Hong Kong University of Science and Techno		125	1996	2021
Kjaer, Philip	Vestas Wind Systems AS	dnk	92	1994	2020
Gruev, Viktor	University of Illinois Urbana-Cha	usa	136	1999	2022
Carrasco, Juan M.	Universidad de Sevilla	esp	101	1992	2022
Chan, Chok You	School of Electrical and Electroni	sgp	44	1989	2022
Mazzanti, Andrea	Università degli Studi di Pavia	ita	210	2001	2022
Tessarolo, Alberto	Università degli Studi di Trieste	ita	170	2006	2022
Hill, R. J.	University of Bath	gbr	80	1978	2007
Yang, Lung Sheng	Far East University	twn	63	2006	2019
Chen, Jie	University of Alberta	can	162	2003	2022
Sun, Caixin	Chongqing University	chn	561	1985	2014
Yuan, Fei	Toronto Metropolitan University	can	197	1997	2022
De Haan, Sjoerd	Delft University of Technology	nld	147	1973	2016
Kuntman, Hakan	İstanbul Teknik Üniversitesi	tur	276	1982	2022
Wang, Chua Chin	National Sun Yat-Sen University	twn	358	1991	2022
Kabalci, Ersan	Nevşehir Hacı Bektaş Veli Üniver	tur	118	2009	2022
Barrero, Federico	Universidad de Sevilla	esp	231	1993	2022
Leung, Ka Nang	Chinese University of Hong Kong	hkg	120	1999	2020
Waffenschmidt, Eberhard	Technology Arts Sciences TH Kölr	deu	64	2000	2022
Mariscotti, Andrea	Università degli Studi di Genova	ita	172	1995	2022

Garcia, Oscar	Centro de Electrónica Industrial	esp	240	1993	2021
Liu, Zhenya	Global Energy Interconnection D	chn	12	2008	2016
Buccella, C.	Università degli Studi dell'Aquila	ita	140	1992	2022
Xu, Lijun	Beihang University	chn	358	1997	2022
Liu, Chun Cheng	MediaTek Usa Inc.	usa	24	2009	2020
Castellazzi, Alberto	Kyoto University of Advanced Sci	jpn	262	2002	2022
Rodriguez, Miguel	Oak Ridge National Laboratory	usa	221	1989	2022
Postolache, Octavian	Iscte – Instituto Universitário de	prt	400	1998	2022
Zhao, Biao	Tsinghua University	chn	97	2010	2022
Ogorzałek, Maciej	Uniwersytet Jagielloński	pol	159	1984	2022
Tsui, Chi Ying	Hong Kong University of Science	hkg	254	1992	2022
Ran, Li	Chongqing University	chn	241	1987	2022
Madawala, Udaya	The University of Auckland	nzl	256	1990	2022
Ayyanar, Raja	Arizona State University	usa	196	1996	2022
Nagaraj, Krishnaswamy	Texas Instruments	usa	88	1978	2021
Lascu, Cristian	Aalborg University	dnk	57	1998	2021
Schlamming, Stephan	National Institute of Standards and	usa	108	1999	2022
Yang, Shengchun	Xi'an Jiaotong University	chn	234	1999	2022
Kim, Jin Hoon	Chungbuk National University	kor	30	1995	2021
Yeo, Kiat Seng	Singapore University of Technolo	sgp	543	1995	2022
Dascalescu, Lucian	Universite de Poitiers	fra	444	1980	2022
Bruton, L.	University of Calgary	can	286	1968	2022
Miret, Jaume	Universitat Politècnica de Catalun	esp	134	2002	2022
Novotny, Donald	University of Wisconsin-Madison	usa	148	1963	2018
Awadallah, Mohamed A.	Toronto Metropolitan University	can	41	2001	2019
Kaçar, Firat	Istanbul University-Cerrahpasa	tur	111	2001	2022
Restle, Phillip J.	International Business Machines	usa	87	1987	2022
Pellegrino, Gianmario	Politecnico di Torino	ita	182	1999	2022
Lee, Yim Shu	Hong Kong Polytechnic Universit	hkg	103	1984	2017
Costa, Francois	Universite Paris-Saclay	fra	197	1993	2022
Hammond, Peter W.	Siemens USA	usa	29	1980	2008
Bowman, Keith	Qualcomm Incorporated	usa	86	1998	2022
Hashemi, Hossein	University of Southern California	usa	141	2001	2022
Canesin, Carlos A.	Universidade Estadual Paulista J	bra	131	1991	2021
Qu, Ronghai	Huazhong University of Science a	chn	453	1997	2022
He, Jinwei	Tianjin University	chn	101	2007	2022
Malucci, Robert D.	RD Malucci Consulting	usa	54	1989	2021
Zhong, G. Q.	Chinese Academy of Sciences	chn	34	1985	2005
Strangas, Elias	Michigan State University	usa	142	1979	2022
Hosseini, Seyed Hossein	University of Tabriz	irn	281	1989	2022
Wooley, Bruce A.	Stanford University	usa	173	1971	2015
Chang, Chip Hong	School of Electrical and Electroni	sgp	315	1991	2022
Han, Bangcheng	Beihang University	chn	171	2001	2021
Lee, Tzann Shin	National United University Taiwa	twn	27	1992	2011
Bakhshai, Alireza	Queen's University	can	286	1996	2022
Lee, Il Oun	Myongji University	kor	45	2011	2022
Ozoguz, Serdar	İstanbul Teknik Üniversitesi	tur	142	1996	2022

Grbović, Petar J.	Universität Innsbruck	aut	63	2005	2022
Li, Yan	China Electric Power Research In	chn	400	2003	2022
Wu, Chung Yu	National Chiao Tung University	twn	357	1976	2022
Aydin, Metin	Kocaeli Üniversitesi	tur	81	2001	2022
Smith, Scott C.	Texas A and M University-Kingsvi	usa	69	1983	2022
Chiu, Yun	The University of Texas at Dallas	usa	70	1998	2017
Ferri, G.	Università degli Studi dell'Aquila	ita	277	1989	2023
Lin, Xiangning	Huazhong University of Science a	chn	445	1996	2022
Leccese, Fabio	Università degli Studi Roma Tre	ita	161	2001	2021
Jacobina, Cursino Brandao	Universidade Federal de Campin	bra	489	1985	2022
Yilmaz, Murat	İstanbul Teknik Üniversitesi	tur	34	2000	2022
Xu, Mark Dehong	Zhejiang University	chn	327	1989	2022
Mademlis, Christos	Aristotle University of Thessalon	grc	77	1995	2022
McMahon, Richard	University of Warwick	gbr	278	1979	2022
Fukao, Tadashi	Ibaraki University	jpn	183	1972	2013
Sotiriadis, Paul P.	National Technical University of /	grc	157	2000	2022
Adam, Grain Philip	NEOM	sau	179	2007	2022
Banaei, Mohamad Reza	Azərbaycan Şahid Mədani Univer	irn	107	2004	2022
Nian, Heng	College of Electrical Engineering,	chn	278	2003	2022
Duran, Mario J.	Universidad de Málaga	esp	151	2002	2022
Santi, Enrico	University of South Carolina	usa	207	1993	2021
Ortmanns, Maurits	Universität Ulm	deu	326	2001	2022
Robinson, Ian A.	National Physical Laboratory	gbr	66	1983	2020
Prodromakis, Themis	University of Southampton	gbr	192	2005	2022
Otis, Brian P.	Verily Life Sciences LLC	usa	136	2002	2021
Lequesne, Bruno	LLC	usa	66	1980	2021
Monfared, Mohammad	Ferdowsi University of Mashhad	irn	111	2006	2022
Pan, Ching Tsai	National Tsing Hua University	twn	135	1975	2020
Hava, Ahmet M.	İşik Üniversitesi	tur	86	1992	2022
Lomonova, Elena A.	Technische Universiteit Eindhove	nld	424	2002	2022
Gopakumar, K.	Indian Institute of Science	ind	207	1984	2022
Inculet, Ion I.	Western University	can	162	1969	2018
Bialasiewicz, Jan T.	University of Colorado Denver	usa	50	1988	2016
Pal, Kirat	Indian Institute of Technology Rc	ind	90	1977	2020
Alon, Elad	University of California, Berkeley	usa	172	2003	2022
Zhang, Junming	College of Electrical Engineering,	chn	221	2000	2022
Nguyen, Minh Khai	HCMC University of Technology a	vnm	102	2009	2022
Lang, Jeffrey H.	Massachusetts Institute of Techn	usa	269	1978	2022
Sebastian, Javier	Universidad de Oviedo	esp	272	1985	2022
Liu, Zhigang	Southwest Jiaotong University	chn	381	2000	2022
Mokhtari, Hossein	Sharif University of Technology	irn	143	1994	2022
Oliaei, Omid	Invensense Inc.	usa	58	1995	2022
Maundy, B. J.	University of Calgary	can	197	1987	2022
Bashirullah, Rizwan	Galvani Bioelectronics	usa	103	1999	2021
Deweerth, Stephen P.	Lehigh University	usa	139	1989	2022
Sun, Kai	Tsinghua University	chn	289	1999	2022
Delahaye, François	BIPM Bureau International des P	fra	46	1977	2005

Naffziger, Samuel	Advanced Micro Devices, Inc.	usa	57	1996	2021
Zhou, Keliang	Wuhan University of Technology	chn	154	1998	2022
Rahman, Mizanur	Lakehead University	can	70	1969	2017
He, Ren Mu	North China Electric Power Unive	chn	146	1983	2013
Mouton, Hendrik Du Toit	Stellenbosch University	zaf	102	1996	2020
Wu, Jie	South China University of Techno	chn	229	1993	2021
Van Der Broeck, Heinz	University of Applied Science	deu	31	1982	2008
Fujii, Kenichi	National Metrology Institute of J	jpn	157	1988	2022
Betta, Giovanni	Universita di Cassino e del Lazio I	ita	168	1992	2022
Sjöland, Henrik	Lunds Universitet	swe	191	1997	2022
Mertens, Axel	Gottfried Wilhelm Leibniz Univer	deu	217	1989	2022
Gerling, Dieter	Universität der Bundeswehr Mür	deu	285	1993	2022
Khambadkone, Ashwin M.	National University of Singapore	sgp	137	1990	2021
Liu, Wenhua	Tsinghua University	chn	202	1994	2021
Shi, Tingna	College of Electrical Engineering,	chn	233	2001	2022
Costinett, Daniel	The University of Tennessee, Knc	usa	154	2009	2022
Wu, Hongfei	Nanjing University of Aeronautic	chn	210	2008	2022
Rossetto, Leopoldo	Università degli Studi di Padova	ita	76	1986	2022
Sera, Dezso	Queensland University of Techno	aus	133	2005	2022
Gharpurey, Ranjit	The University of Texas at Austin	usa	119	1995	2022
Penman, Jim	Robert Gordon University	gbr	83	1976	2008
Martins, Denizar C.	Universidade Federal de Santa Ca	bra	135	1989	2021
Jia, Qiang	Jiangsu University	chn	37	2007	2022
Fujimoto, Yasutaka	Yokohama National University	jpn	196	1993	2021
Scheuermann, Uwe	SEMIKRON Elektronik GmbH & C	deu	38	2001	2022
Kim, Jaeha	Seoul National University	kor	135	2000	2022
Oggier, German G.	Universidad Nacional de Rio Cuai	arg	56	2003	2022
Asher, Greg	University of Nottingham	gbr	223	1988	2015
Wey, Chin Long	National Chiao Tung University	twn	248	1982	2019
Iannuzzi, Diego	Università degli Studi di Napoli F	ita	100	2001	2022
Jin, Hua	Powersim Inc.	usa	63	1989	2016
Choi, Hangseok	Samsung Electronics Co. Ltd.	kor	33	2000	2018
Atkinson, David John	Newcastle University	gbr	142	1989	2022
Geiger, Randall L.	Iowa State University	usa	298	1977	2021
Kerekes, Tamas	Aalborg University	dnk	128	2005	2022
Copeland, Miles	Carleton University	can	82	1963	2007
Xiao, Huafeng	Southeast University	chn	64	2005	2022
Cai, Xu	Shanghai Jiao Tong University	chn	497	2002	2022
Levantino, Salvatore	Politecnico di Milano	ita	141	1999	2022
Lu, Bin	Eaton Corporation	chn	58	2004	2014
Spooner, E.	OpenHydro Technology Ltd, Irela	irl	89	1973	2014
Carusone, Anthony Chan	University of Toronto	can	139	1999	2022
Comanescu, Mihai	Penn State Altoona	usa	72	2003	2022
Drofenik, Uwe	ABB Corporate Research Center -	che	65	1995	2022
Welchko, Brian A.	General Motors	usa	22	2000	2017
Montanini, Roberto	Università degli Studi di Messina	ita	67	1999	2022
Mahmoud, Soliman	University of Sharjah	are	152	1995	2022

Yuan, Jiren	Lunds Universitet	swe	76	1988	2013
Moschytz, George S.	Bar-Ilan University	isr	264	1965	2022
Chalmers, B. J.	The University of Manchester	gbr	98	1969	2004
Sun, Nan	Tsinghua University	chn	181	2007	2022
Bauer, Peter	University of Notre Dame		163	1988	2021
Ciobotaru, Mihai	Macquarie University	aus	115	2005	2022
Yousef, Hassan	Sultan Qaboos University	omn	93	1988	2021
Tschanz, James W.	Intel Corporation	usa	154	1999	2022
Mirzaei, Ahmad	Tarbiat Modares University	irn	61	2002	2021
Mantooth, Alan	University of Arkansas	usa	437	1989	2022
Dujic, Drazen	Ecole Polytechnique Fédérale de	che	175	2005	2022
Karnik, Tanay	Intel Corporation	usa	124	1994	2022
Miyatake, Masafumi	Sophia University	jpn	87	1996	2022
Suonan, Jiale	Xi'an Jiaotong University	chn	250	2000	2017
Wang, Yi	North China Electric Power Unive	chn	261	2001	2022
Gupta, Rajesh	Motilal Nehru National Institute	ind	119	2005	2022
Maswood, Ali I.	School of Electrical and Electroni	sgp	154	1985	2022
Fukuda, Shoji	Hokkaido University	jpn	93	1972	2011
Mazumder, Malay K.	Boston University	usa	194	1969	2021
Shieh, Hsin Jang	National Dong Hwa University	twn	34	1995	2017
Moreira, Julio C.	Whirlpool	usa	29	1983	2003
Gulak, P. Glenn	University of Toronto	can	129	1984	2018
Chen, Wu	Southeast University	chn	176	2005	2022
Belahcen, Anouar	Aalto University	fin	254	2000	2022
Bacha, Seddik	Universite Grenoble Alpes	fra	353	1992	2022
Carbone, Paolo	Università degli Studi di Perugia	ita	258	1992	2022
Kollár, I.	Budapest University of Technolo	hun	101	1982	2018
Narayanan, Gopalaratnam	Indian Institute of Science	ind	161	1998	2022
Yang, Lijun	Chongqing University	chn	392	2004	2022
Yalcin, Mustak E.	İstanbul Teknik Üniversitesi	tur	102	1996	2021
Leggate, David	Rockwell Automation Headquart	usa	37	1989	2017
Huertas, Jose L.	Universidad de Sevilla	esp	264	1975	2016
Lu, Xiaonan	Temple University	usa	113	2008	2022
Zheng, Lirong	Fudan University	chn	453	1994	2023
Markovic, Dejan	University of California, Los Ange	usa	163	1999	2022
Chang, Chun Ming	Chung Yuan Christian University	twn	22	1997	2013
Tenti, Paolo	Università degli Studi di Padova	ita	161	1978	2022
De Caro, Davide	Università degli Studi di Napoli F	ita	90	2000	2022
Cobos, Jose A.	Centro de Electrónica Industrial	esp	394	1991	2022
Murakami, Toshiyuki	Keio University	jpn	385	1988	2022
Wang, Gaolin	Harbin Institute of Technology	chn	122	2001	2019
Pontt, Jorge	Universidad Técnica Federico Sar	chl	121	1993	2017
Martins, Rui P.	State Key Laboratory of Analog a	mac	603	1988	2022
Petrone, Giovanni	Università degli Studi di Salerno	ita	161	2002	2022
Yang, Sheng Ming	National Taipei University of Tecl	twn	71	1988	2020
Serban, Ioan	Universitatea Transilvania din Br	rou	57	2005	2021
AlZaher, H.	King Fahd University of Petroleur	sau	63	1995	2022

Min, Yong	Tsinghua University	chn	224	1991	2022
Wang, Bingsen	Michigan State University	usa	55	2003	2020
Lee, Chi Kwan	The University of Hong Kong	hkg	92	2000	2022
Kaura, Vikram	SuperTel Technologies	usa	15	1995	1998
Harashima, Fumio	Tokyo Metropolitan University	jpn	213	1973	2016
Gao, Feng	Shandong University	chn	237	2005	2022
Minch, Bradley A.	Franklin W. Olin College of Engin	usa	81	1995	2021
Chiu, Huang Jen	National Taiwan University of Sci	twn	231	1999	2022
Wu, Xinke	College of Electrical Engineering,	chn	180	2003	2022
Massoud, Ahmed	Qatar University	qat	356	2001	2022
Cui, X.	North China Electric Power Unive	chn	392	1993	2021
Chen, Hung Chi	National Yang Ming Chiao Tung U	twn	91	1999	2021
Hameyer, Kay	Rheinisch-Westfälische Techniscl	deu	575	1989	2022
Wei, Gu Yeon	Harvard University	usa	184	1996	2022
Mayaram, Kartikeya	Oregon State University	usa	188	1982	2020
Liu, Guohai	Jiangsu University	chn	441	2001	2022
Abdel-Khalik, Ayman S.	Alexandria University	egy	231	2003	2022
Jiang, Xingliang	Chongqing University	chn	535	1988	2022
Maffezzoni, Paolo	Politecnico di Milano	ita	109	1994	2022
Sánchez-López, Carlos	Universidad Autónoma de Tlaxca	mex	111	2002	2022
Salamero, Luis Martínez	Universitat Rovira i Virgili	esp	200	1988	2022
Wang, Hua	School of Electrical and Compute	usa	185	2007	2022
Meo, Santolo	Università degli Studi di Palermo	ita	72	1993	2022
Kim, Balho H.	Hongik University	kor	67	1997	2022
Ohnishi, Tokuo	Tokushima University	jpn	81	1975	2013
Lin, Weixing	Ltd.	chn	123	2011	2022
Aredes, Mauricio	Universidade Federal do Rio de J	bra	119	1993	2022
Jovanović, Milutin G.	University of Northumbria	gbr	104	1995	2022
Pejović, Predrag	University of Belgrade	srb	82	1994	2022
Lee, Chen Yi	National Yang Ming Chiao Tung U	twn	314	1989	2022
Bazzi, Ali M.	University of Connecticut	usa	113	2008	2022
Terman, L.	IBM Thomas J. Watson Research	usa	55	1959	1999
McNeill, John	Worcester Polytechnic Institute	usa	55	1990	2019
Hu, Haibing	Nanjing University of Aeronautic	chn	162	2004	2022
Cheng, Po Tai	National Tsing Hua University	twn	158	1996	2022
Freijedo, Francisco D.	Huawei Technologies Deutschlan	deu	112	2006	2022
Mari, Luca	Università Carlo Cattaneo	ita	90	1991	2022
Choi, Ui Min	Seoul National University of Scie	kor	56	2011	2022
Xing, Yan	Nanjing University of Aeronautic	chn	329	1988	2022
Dewan, S. B.	University of Toronto	can	206	1967	2015
Wang, Liming	Tsinghua University	chn	658	1996	2022
Bhaskar, D. R.	Delhi Technological University	ind	97	1991	2022
Balog, Robert S.	Texas A&M University at Qatar	qat	183	2002	2022
Blasco-Gimenez, Ramon	Universitat Politècnica de Valènc	esp	106	1994	2022
Harada, Koosuke	Kyushu University	jpn	389	1965	2015
Valdes-Garcia, Alberto	IBM Thomas J. Watson Research	usa	129	2003	2022
Cho, Junggoo	Korea Electrotechnology Researc	kor	45	1989	2000

Cirincione, Maurizio	University of the South Pacific	fji	202	1996	2022
Meghelli, Mounir	IBM Research	usa	92	1997	2022
Yang, Byung Do	Chungbuk National University	kor	66	2000	2022
Braunovic, Milenko	MB Interface	can	81	1971	2017
Bonert, Richard	University of Toronto	can	44	1979	2005
Tanaka, Toshihiko	Yamaguchi University	jpn	214	1987	2022
Yoo, Changsik	Hanyang University	kor	128	1995	2022
Gerada, Chris	University of Nottingham	gbr	557	2003	2022
Li, Qunzhan	Southwest Jiaotong University	chn	239	1989	2022
Benammar, Mohieddine A.	Qatar University	qat	100	1989	2020
Wambacq, Piet	Vrije Universiteit Brussel	bel	336	1990	2022
Serrano-Gotarredona, Teresa	Universidad de Sevilla	esp	175	1994	2022
Czarkowski, Dariusz	NYU Tandon School of Engineerir	usa	177	1992	2021
Kwon, Jung Min	Hanbat National University	kor	68	2005	2022
Pollock, Charles	Technelec Ltd.	gbr	79	1988	2015
Branco, Paulo J.Costa	Instituto Superior Técnico	prt	127	1993	2022
Flynn, Michael P.	University of Michigan, Ann Arbc	usa	162	1992	2022
Sanchis, Pablo	Universidad Pública de Navarra	esp	149	2000	2022
El-Sousy, Fayez F.M.	Prince Sattam Bin Abdulaziz Univ	sau	67	1996	2022
Diorio, Chris	University of Washington	usa	65	1995	2008
Zhu, Changsheng	College of Electrical Engineering,	chn	191	1987	2022
Tang, Renyuan	Shenyang University of Technolo	chn	186	1982	2022
Chen, Deshu	Huazhong University of Science a	chn	192	1986	2022
Tenconi, Alberto	Politecnico di Torino	ita	185	1991	2021
Beig, Abdul R.	Khalifa University of Science and	are	99	2002	2022
She, Xu	Carrier Corporation	usa	74	2008	2021
Rabkowski, Jacek	Politechnika Warszawska	pol	130	2004	2022
Lee, Edward K.F.	Alfred Mann Foundation	usa	85	1991	2018
Perfetti, Renzo	Università degli Studi di Perugia	ita	88	1988	2017
Sima, Wenxia	Chongqing University	chn	391	2000	2022
Soyuer, Mehmet	IBM Research	usa	63	1988	2022
Beiranvand, Reza	Tarbiat Modares University	irn	49	2010	2022
Lee, Sze Sing	Newcastle University Singapore	sgp	78	2011	2022
Guo, Jiun In	National Yang Ming Chiao Tung U	tw	192	1992	2022
Zane, Regan	Utah State University	usa	208	1996	2022
Saleh, Resve A.	The University of British Columbi	can	125	1982	2022
Li, Qiang	Virginia Polytechnic Institute and	usa	201	2007	2022
Yano, Kazuo	Hitachi, Ltd.	jpn	128	1985	2021
Zhang, Kevin	Taiwan Semiconductor Manufact	tw	75	1998	2021
Romeral, Luis	Universitat Politècnica de Catalu	esp	231	1998	2022
Brasseur, G.	Graz University of Technology, In	aut	79	1996	2020
Crowley, J. M.	Xerox Corporation	usa	60	1965	1990
Henao, Humberto	Université de Picardie Jules Vern	fra	137	1990	2022
Matas, José	Universitat Politècnica de Catalu	esp	107	1997	2022
Thanachayanont, Apinunt	King Mongkut's Institute of Tech	tha	83	1995	2022
Wu, Guangning	Southwest Jiaotong University	chn	619	1995	2022
Kostamovaara, Juha	Oulun Yliopisto	fin	405	1982	2021

Krismer, Florian	ETH Zürich	che	77	2005	2022
Burdío, José M.	Universidad de Zaragoza	esp	241	1994	2022
Seok, Mingoo	Columbia University	usa	153	2007	2022
Steimel, Andreas	Universität Siegen	deu	139	1982	2019
Lezana, Pablo	Universidad Técnica Federico Sar	chl	66	2002	2022
Chen, Hao	China University of Mining and T	chn	249	2000	2022
Zhang, Xing	Hefei University of Technology	chn	481	2001	2022
Wallace, Alan K.	Oregon State University	usa	120	1972	2008
Sanada, Masayuki	Osaka Metropolitan University	jpn	238	1992	2021
Brown, Richard B.	The University of Utah	usa	190	1985	2019
Nelms, Robert M.	Samuel Ginn College of Engineer	usa	191	1985	2022
Wen, Huiqing	Xi'an Jiaotong-Liverpool Universi	chn	215	2004	2022
Wang, Fengxiang	Shenyang University of Technolo	chn	165	1997	2016
Baker, R. Jacob	University of Nevada, Las Vegas	usa	88	1990	2022
Sato, Yukihiko	Chiba University	jpn	154	1987	2022
Chen, Jiann Jong	National Taipei University of Tecl	twn	146	1991	2022
Wu, Rusong	Inverpower Controls Ltd.	can	11	1984	1991
Matsuo, Hirofumi	Nagasaki University	jpn	147	1973	2015
Cheung, Norbert	Hong Kong Polytechnic Universit	hkg	171	1994	2019
Sharkh, Suleiman	University of Southampton	gbr	155	1992	2022
Van Der Plas, Geert	Interuniversity Microelectronics	bel	232	1994	2022
Liang, Zhenxian	Wolfspeed, USA	usa	80	2000	2019
Blalock, Benjamin J.	The University of Tennessee, Knc	usa	254	1992	2021
Sun, Haishun	Huazhong University of Science a	chn	81	1997	2022
Katsura, Seiichiro	Keio University	jpn	479	2001	2022
Akin, Bilal	The University of Texas at Dallas	usa	170	2003	2022
Callegaro, Luca	Istituto Nazionale di Ricerca Met	ita	185	1994	2022
Hanselman, D. C.	University of Maine	usa	16	1986	1997
Lopes, Luiz A.C.	Concordia University	can	125	1992	2022
Xu, Bingyin	Shandong University of Technolo	chn	254	1995	2022
Tani, Angelo	Alma Mater Studiorum Universit	ita	160	1993	2022
Lee, Sang Bin	Korea University	kor	200	2000	2022
Kim, Beomsup	Qualcomm Incorporated	usa	93	1990	2017
Sykulski, Jan	University of Southampton	gbr	204	1985	2022
Lai, Ching Ming	National Chung Hsing University	twn	116	2003	2022
Hofmann, Heath	University of Michigan, Ann Arbc	usa	138	1995	2022
Eren, Levent	Izmir Ekonomi Universitesi	tur	32	1999	2022
Lu, Zhengyu	College of Electrical Engineering,	chn	341	1998	2022
Boussak, Mohamed	Laboratoire d'Informatique et Sy	fra	81	1992	2022
Li, Yong	Hunan University	chn	328	2006	2022
Ye, Zhihong	Lite-On Technology Corporation	chn	64	1998	2018
Thewes, Roland	Technische Universität Berlin	deu	161	1992	2022
Martirano, Luigi	Sapienza Università di Roma	ita	204	1999	2022
Xu, Ming	Nanjing FSP-Powerland Technolc	chn	138	2003	2019
Redman-White, William	HiLight Semiconductor	gbr	133	1987	2021
Toker, Ali	İstanbul Teknik Üniversitesi	tur	77	1998	2018
Konstantinou, Georgios	UNSW Sydney	aus	194	2009	2022

Kolev, Lubomir V.	Technical University of Sofia	bgr	63	1975	2021
Grandi, Gabriele	Alma Mater Studiorum Universit	ita	145	1993	2022
Van Den Bossche, Alex	Universiteit Gent	bel	149	1982	2022
Shuai, Zhikang	Hunan University	chn	150	2007	2022
Sabahi, Mehran	University of Tabriz	irn	217	2006	2022
Cho, Seong Hwan	Korea Advanced Institute of Scie	kor	136	1997	2022
Ferrari, V.	Università degli Studi di Brescia	ita	207	1994	2023
Ahmad, M. Omair	Concordia University	can	555	1978	2022
Vannelli, Anthony	University of Guelph	can	100	1980	2019
Verdelho, P.	Instituto Superior Técnico	prt	29	1991	2006
Yazicioglu, Refet Firat	Galvani Bioelectronics	gbr	119	2005	2021
Khaburi, Davood Arab	Daneshgahe Elm va Sanat e Iran	irn	132	2006	2022
Lin, Chih Hong	National United University Taiwa	twn	53	2000	2015
Külah, Haluk	Middle East Technical University	tur	180	1997	2022
Nasar, Syed A.	University of Kentucky	usa	106	1959	2017
Guo, Zhizhong	Harbin Institute of Technology	chn	262	1987	2020
Filipski, Piotr S.	National Research Council Canad	can	72	1980	2014
Bevilacqua, Andrea	Università degli Studi di Padova	ita	117	2002	2021
Marignetti, F.	Istituto Nazionale di Fisica Nuclei	ita	182	1996	2022
Li, Wei	Nankai University	chn	172	1999	2022
Datta, Rajib	GE Global Research	usa	41	1998	2019
Sozer, Yilmaz	University of Akron	usa	295	1997	2022
Geng, Hua	Tsinghua University	chn	161	2004	2022
Plouchart, Jean Olivier	IBM Thomas J. Watson Research	usa	112	1993	2022
Stemmler, Herbert	ETH Zürich	che	31	1972	2002
Di Barba, Paolo	Università degli Studi di Pavia	ita	236	1989	2022
Fletcher, John	University of New South Wales, S	aus	261	1994	2022
McMurray, William	General Electric Company	usa	40	1970	2015
Dessaint, Louis	École de Technologie Supérieure	can	180	1983	2022
Ramadass, Yogesh K.	Texas Instruments	usa	46	2004	2022
Hedayati Kia, Shahin	Université de Picardie Jules Vern	fra	56	2005	2022
Seeman, Michael	Texas Instruments	usa	25	2002	2016
Bocker, Joachim	Universität Paderborn	deu	249	1991	2022
Rahman, Khwaja	Rivian Automotive	usa	78	1993	2021
Hoburg, James F.	Carnegie Mellon University	usa	79	1975	2013
Omekanda, Avoki Michel	Section Elcctricité Institut Supéri	cod	47	1992	2021
Finney, Stephen J.	The University of Edinburgh	gbr	259	1992	2022
Liao, Yuefeng	General Electric Company	usa	15	1992	1996
He, Zhiyuan	Global Energy Interconnection Re	chn	181	2005	2019
Nakaoka, Mutsuo	Universiti Malaya	mys	956	1973	2019
Ham, Donhee	Harvard John A. Paulson School c	usa	91	2000	2022
Vankka, Jouko	Aalto University	fin	51	1996	2006
Carlosena, Alfonso	Universidad Pública de Navarra	esp	169	1987	2022
Li, Bin	Tianjin University	chn	196	2002	2022
Lin, Ray Lee	National Cheng Kung University	twn	119	1989	2019
Zinger, Donald S.	Northern Illinois University	usa	53	1984	2020
Xu, Xingyi	Shanghai PowerMax Technology	chn	24	1988	2004

Timbus, Adrian	ABB Group	che	33	2004	2015
Kabalci, Yasin	Nigde Omer Halisdemir Universit	tur	56	2010	2022
Itoh, Jun Ichi	Nagaoka University of Technolog	jpn	483	1994	2022
Özdemir, Engin	Kocaeli Üniversitesi	tur	56	1996	2021
Dell'Aquila, Antonio	Politecnico di Bari	ita	121	1980	2013
Chen, Weigen	Chongqing University	chn	330	1998	2022
Miceli, Rosario	Università degli Studi di Palermo	ita	357	1988	2022
Busquets-Monge, Sergio	Universitat Politècnica de Catalu	esp	81	2001	2022
Tang, Yifan	Emerson Motor Technologies	usa	20	1992	1998
Duan, Xianzhong	Huazhong University of Science a	chn	275	1995	2022
Agrež, Dušan	Univerza v Ljubljani	svn	78	1990	2019
Black, William C.	Northern Microdesign, Inc.	usa	46	1977	2010
Midya, Pallab	ADX Research, Inc.	usa	33	1989	2010
Suul, Jon Are	SINTEF Energi AS	nor	128	2007	2022
Forbes, Alistair B.	National Physical Laboratory	gbr	130	1993	2022
Herzel, Frank	Institut für innovative Mikroelektr	deu	107	1991	2022
Jin, Jianxun	Tianjin University	chn	260	1994	2022
Yang, Shih Chin	National Taiwan University	twn	71	2007	2022
Papaefthymiou, Marios	University of California, Irvine	usa	115	1991	2022
Lee, Hong Hee	University of Ulsan	kor	273	2000	2022
Zyuban, Victor	IBM Research	usa	43	1998	2016
Witt, Thomas J.	BIPM Bureau International des P	fra	70	1978	2011
D'Arco, Salvatore	SINTEF Energi AS	nor	126	2003	2022
Bina, Mohammad Tavakoli	K. N. Toosi University of Technol	irn	140	1999	2022
Kim, Tae Wook	Yonsei University	kor	59	2003	2022
Fang, Yongjie	State Key Laboratory of Smart Gr	chn	84	1999	2021
Watanabe, Edson H.	Universidade Federal do Rio de J	bra	133	1979	2022
Vogel, Christian	FH Joanneum	aut	33	2003	2020
Leyva-Ramos, J.	Instituto Potosino de Investigaci	mex	93	1981	2022
Law, S. Edward	University of Georgia	usa	70	1973	2013
Green, Michael M.	University of California, Irvine	usa	129	1989	2022
Tymerski, Richard	Portland State University	usa	46	1983	2017
Van Der Spiegel, Jan	School of Engineering and Applie	usa	210	1976	2021
Chang, F. Y.	National Chiao Tung University	twn	45	1970	2003
Mawby, Philip A.	Faculty of Science, Engineering a	gbr	356	1987	2022
Joksimovic, Gojko	University of Montenegro	mne	48	1998	2022
Chen, Jin T.	Midea Shanghai Motors and Driv	chn	64	2007	2022
Musavi, Fariborz	Washington State University Van	usa	52	2002	2021
Hu, Yihua	University of Liverpool	gbr	82	2005	2018
Yao, Chenguo	Chongqing University	chn	375	2000	2022
Hussein, Ala A.	Prince Mohammad Bin Fahd Uni	sau	48	2009	2022
Wang, Guangzhu	Shandong University	chn	69	2001	2022
Kubota, Hisao	Meiji University	jpn	126	1984	2022
Reatti, Alberto	Università degli Studi di Firenze	ita	121	1993	2022
Greason, William D.	Western University	can	141	1971	2015
Palmisano, Giuseppe	Università degli Studi di Catania	ita	269	1984	2022
Vas, Peter	University of Aberdeen	gbr	86	1975	2003

Hoft, R. G.	University of Missouri	usa	111	1968	2015
Allen, Phillip E.	School of Electrical and Compute	usa	125	1971	2009
Van De Plassche, R. J.	Broadcom Netherlands	nld	45	1971	2006
Vlassis, Spyridon	University of Patras	grc	90	1998	2022
Wang, Zheng	Southeast University	chn	273	2001	2022
Okuma, Shigeru	Nagoya University	jpn	360	1973	2014
Wang, Alice	Everactive	usa	57	1999	2022
Hu, Jiefeng	Federation University Australia	aus	103	2010	2022
Ilves, Kalle	Hitachi Energy Research	swe	59	2009	2022
Lo, Yu Kang	Lite-On Technology Corporation	chn	183	1993	2021
Lopez, Oscar	CINTECX	esp	97	2005	2022
Round, Simon	Hitachi Energy	aus	77	1991	2022
Xue, Yaosuo	Oak Ridge National Laboratory	usa	121	2004	2022
Buticchi, Giampaolo	University of Nottingham Ningbc	chn	254	2009	2022
Venturini, Marco	Università degli Studi di Pavia	ita	15	1980	2021
Reverter, Ferran	Universitat Politècnica de Catalu	esp	84	2003	2022
Chen, Oscal T.C.	National Chung Cheng University	tw	172	1991	2021
Yu, Wensong	NC State University	usa	125	2007	2022
Kursun, Volkan	Norges Teknisk-Naturvitenskape	nor	167	2002	2022
Tetzlaff, Ronald	Technische Universität Dresden	deu	264	1991	2022
Shen, Jian Xin	College of Electrical Engineering,	chn	177	1997	2022
Chen, Shaotang	Delphi	usa	28	1993	2006
Abramovitz, Alexander	Holon Institute of Technology	isr	80	1991	2022
Hong, Jung Pyo	Hanyang University	kor	372	1997	2021
Hiasat, Ahmad	Princess Sumaya University	jor	52	1992	2022
Singh, Brij N.	John Deere Electronic Solutions	usa	48	1994	2020
Kim, Yong Bin	Northeastern University	usa	239	2001	2021
Shang, Jincheng	Electric Power of Henan	chn	64	2002	2017
Zeng, Zheng	Chongqing University	chn	130	2010	2022
Siri, Kasemsan	Aerospace Corporation, USA	usa	75	1985	2018
Duan, Shanxu	Huazhong University of Science a	chn	279	2000	2022
Lee, Dong Hee	Kyungsung University	kor	194	2003	2022
Zhang, Xinmiao	The Ohio State University	usa	110	2002	2022
Yepes, Alejandro G.	CINTECX	esp	97	2009	2022
Wang, Zhihua	Tsinghua University	chn	936	1994	2022
Metin, Bilgin	Boğaziçi Üniversitesi	tur	90	2003	2022
Roh, Jeongjin	Hanyang University ERICA Campu	kor	61	1998	2022
Kalisz, J.	Wojskowa Akademia Techniczna	pol	33	1975	2012
Han, Yingduo	Tsinghua University	chn	237	1982	2021
Gonzalez, Ricardo E.	Tensilica Inc.	usa	12	1994	2017
El-Khazali, Reyad	Khalifa University of Science and	are	62	1992	2022
Oruganti, Ramesh	Indian Institute of Technology M	ind	115	1983	2021
Cho, B. H.	Seoul National University	kor	237	1996	2018
Da Silva, Edison Roberto Cabral	Universidade Federal da Paraíba	bra	218	1985	2021
Da Dalt, Nicola	Intel Corporation	usa	32	2000	2018
Grimaldi, Domenico	Università della Calabria	ita	196	1992	2019
Wang, Faqiang	Xi'an Jiaotong University	chn	67	2006	2022

Finch, John W.	Newcastle University	gbr	81	1978	2016
Palmer, Patrick	Simon Fraser University	can	167	1988	2021
Doval-Gandoy, Jesus	CINTECX	esp	184	1999	2022
Li, Xiaodong	Macau University of Science and	mac	55	2005	2022
Ding, Wen	Xi'an Jiaotong University	chn	135	2001	2022
Onar, Omer C.	Oak Ridge National Laboratory	usa	116	2005	2022
Liu, Jinjun	Xi'an Jiaotong University	chn	457	1997	2022
Chen, Changsong	Huazhong University of Science a	chn	78	2009	2022
Duarte, Jorge L.	Technische Universiteit Eindhove	nld	204	1983	2021
Jang, Do Hyun	Hoseo University	kor	22	1989	2021
Jatskevich, Juri	The University of British Columbi	can	254	1998	2022
Van Roermund, A. H.M.	Technische Universiteit Eindhove	nld	388	1982	2021
Mir, Sayeed	Eaton Aerospace	usa	31	1992	2017
Yaramasu, Venkata	Northern Arizona University	usa	81	2010	2021
Friedli, Thomas	ABB Group	che	46	2006	2018
Villalva, Marcelo Gradella	Universidade Estadual de Campir	bra	82	2003	2022
Stenbakken, Gerard N.	National Institute of Standards a	usa	61	1984	2017
Angquist, L.	SCiBreak AB	swe	91	1991	2022
Matsuse, Kouki	Meiji University	jpn	256	1978	2020
Takamiya, Makoto	The University of Tokyo	jpn	258	1996	2022
Peng, Chunhua	East China Jiaotong University	chn	71	2005	2022
Sundstrom, Lars	Ericsson Sweden	swe	71	1994	2020
Falkowski, Bogdan J.	Nanyang Technological Universit	sgp	272	1989	2012
Bakker, Anton	Analog Devices, Inc.	usa	39	1982	2008
Masmoudi, Ahmed	Ecole Nationale d'Ingénieurs de S	tun	218	1993	2022
Dufour, Christian	Opal-RT Technologies	can	98	1995	2021
Urasaki, Naomitsu	University of the Ryukyus	jpn	178	1996	2022
Ma, Chengbin	UM-SJTU Joint Institute	chn	145	2002	2022
Kang, Feel Soon	Gyeongsang National University	kor	79	2000	2022
Carvajal, Ramon Gonzalez	Universidad de Sevilla	esp	290	1997	2022
Ferreira, Fernando J.T.E.	University of Coimbra, Institute c	prt	109	2001	2022
Massoud, Yehia	King Abdullah University of Scien	sau	294	1995	2022
Xu, Wei	Huazhong University of Science a	chn	242	2007	2022
Tegopoulos, J.	National Technical University of A	grc	77	1962	2011
Savaghebi, Mehdi	Syddansk Universitet	dnk	176	2007	2022
Guo, Liping	Northern Illinois University	usa	38	2001	2022
Baglio, S.	Università degli Studi di Catania	ita	432	1991	2023
Wilson, Peter	University of Bath	gbr	131	1980	2022
Pertijs, Michiel A.P.	Delft University of Technology	nld	132	2001	2022
Hiti, Silva	Electric Vehicles Faraday Future	usa	35	1990	2017
Lipei, Huang	Chongqing University	chn	169	1993	2017
Fernando, Tyrone	The University of Western Austr	aus	221	1995	2022
Shenoy, Pradeep S.	Texas Instruments	usa	56	2002	2020
Clark, Lawrence T.	Arizona State University	usa	155	1987	2022
Vainio, Olli	Tampere University	fin	130	1985	2013
Biswas, Karabi	Indian Institute of Technology Kh	ind	99	1991	2022
Kawaguchi, Hiroshi	Kobe University	jpn	290	1997	2022

Su, Zhiyi	China Electric Power Research In	chn	46	2002	2021
Zhu, Yongli	North China Electric Power Unive	chn	248	1988	2022
Okubo, Masaaki	Osaka Metropolitan University	jpn	210	1987	2022
Kim, Taehyung	The University of Texas at Austin	usa	83	2001	2022
Picard, Alain	BIPM Bureau International des P	fra	54	1990	2015
Nahid-Mobarakeh, Babak	McMaster University, Faculty of I	can	260	2000	2022
Bernieri, Andrea	Universita di Cassino e del Lazio I	ita	64	1992	2022
Maneatis, John George	True Circuits, Inc.	usa	13	1993	2017
Caricchi, Federico	Sapienza Università di Roma	ita	88	1989	2022
Lucía, Óscar	Universidad de Zaragoza	esp	186	2008	2022
Su, Juing Huei	LungHwa University of Science ai	twn	67	1992	2020
Pires, V. Fernao	Instituto Politécnico de Setúbal	prt	255	1996	2022
Xu, David	Toronto Metropolitan University	can	181	1999	2020
Jovanovic Dolecek, Gordana	Instituto Nacional de Astrofisica (mex	229	1979	2022
Chakraborty, Chandan	Indian Institute of Technology Kh	ind	185	1990	2022
Dhople, Sairaj	University of Minnesota Twin Cit	usa	121	2009	2023
Du, Zhong	Parker Hannifin Corp.	usa	48	2002	2009
Garcerá, Gabriel	Universitat Politècnica de Valènc	esp	108	1996	2022
Kao, James	Intel Corporation	usa	16	1997	2017
Pedersen, John K.	Aalborg University	dnk	104	1990	2019
Dusmez, Serkan	Arçelik A.S.	tur	71	2010	2021
Afshari, Ehsan	University of Michigan, Ann Arbc	usa	100	2003	2022
Chu, Chia Chi	National Tsing Hua University	twn	182	1991	2022
Jiang, Xiuchen	Shanghai Jiao Tong University	chn	490	1999	2022
Ahn, Dukju	Incheon National University	kor	29	2009	2022
Parise, Giuseppe	Sapienza Università di Roma	ita	267	1979	2022
Hua, Guichao	Inventronics (Hangzhou), Inc.	chn	36	1988	2017
Luna, Alvaro	Universitat Politècnica de Catalu	esp	151	2005	2022
Hofmann, Wilfried	Technische Universität Dresden	deu	183	1992	2022
Chang, Meng Fan	National Tsing Hua University	twn	237	1997	2022
Abbott, W.	Independent Researcher	usa	48	1969	2019
Wang, Zhao'An	Xi'an Jiaotong University	chn	369	1988	2016
Liu, Yushan	Beihang University	chn	97	2010	2022
Reusch, David	VPT Inc.	usa	55	2008	2020
Wang, ZANJI	Tsinghua University	chn	170	1990	2020
Dahidah, Mohamed S.A.	Newcastle University	gbr	80	2003	2022
Moo, Chin Sien	National Sun Yat-Sen University	twn	146	1987	2022
De Vicuna, Luis Garcia	Universitat Politècnica de Catalu	esp	149	1989	2022
Lu, Bing	Texas Instruments	usa	30	2003	2022
Silva, C.	Universidad Técnica Federico Sar	chl	97	1999	2022
Mishra, Santanu	Indian Institute of Technology Ka	ind	142	2005	2022
Lee, Ralph H.	Lee Electrical Engineering Inc	usa	28	1967	1987
Park, Jung Wook	Yonsei University	kor	188	2002	2022
Isfahani, Arash Hassanpour	ANSYS, Inc.	usa	39	2005	2018
Radhakrishnan, Damu	SUNY New Paltz	usa	62	1985	2009
Pinheiro, Humberto	Universidade Federal de Santa M	bra	246	1993	2023
Azizur Rahman, M.	Memorial University of Newfoun	can	17	1991	2013

Casper, Bryan	Intel Corporation	usa	69	1997	2022
Chiang, S. J.	National United University Taiwa	twn	45	1993	2014
Blair, Jerome	National Nuclear Security Admin	usa	49	1972	2021
Han, Yang	University of Electronic Science a	chn	94	2007	2022
Dawson, Francis P.	University of Toronto	can	204	1984	2022
Momeni, Omeed	University of California, Davis	usa	47	2007	2022
Khoury, John	Silicon Laboratories	usa	41	1984	2014
Friedrich, Guy	Université de Technologie de Cor	fra	93	1994	2022
Gierkink, S.	Teledyne DALSA Semiconductors	nld	32	1994	2021
Fei, Wanmin	Nanjing Normal University	chn	50	2001	2013
Vinnikov, Dmitri	Tallinna Tehnikaülikool	est	321	2006	2022
Muthuswamy, Bharathwaj	Quantum and Nonlinear Enginee	usa	15	2007	2021
Nicolson, A. M.	Sperry Research Center	usa	13	1968	2016
Yan, Wei	Chongqing University	chn	223	1998	2022
Chen, Yu Hsin	Facebook, Inc.	usa	35	2006	2021
Ninomiya, T.	Green Electronics Research Instit	jpn	364	1972	2021
Lee, Byoung Kuk	SKKU College of Information and	kor	258	1996	2022
Ellabban, Omar	Compound Semiconductor Appli	gbr	71	2006	2022
Yao, Zhi Lei	Shanghai Maritime University	chn	95	2006	2022
Declercq, Michel	Ecole Polytechnique Fédérale de	che	167	1973	2013
Chuang, Ying Chun	Kun Shan University	twn	68	1992	2022
Lee, Hae Seung	Massachusetts Institute of Techn	usa	123	1985	2022
Beyene, Wendemagegnehu T.	Intel Corporation	usa	101	1993	2021
Liu, Bin Da	National Cheng Kung University	twn	280	1979	2019
Li, Jianlin	North China University of Techno	chn	159	1998	2022
Komada, Satoshi	Mie University	jpn	152	1987	2022
Lee, Hae Seung	Massachusetts Institute of Techn	usa	36	1983	2016
Cantatore, Eugenio	Technische Universiteit Eindhove	nld	161	1995	2022
Szabat, Krzysztof	Wrocław University of Science ar	pol	112	2002	2022
Wu, Mingli	Beijing Jiaotong University	chn	121	2000	2022
Han, Yehui	University of Wisconsin-Madison	usa	51	2002	2017
Solsona, Jorge	Universidad Nacional del Sur	arg	120	1993	2022
Sim, Jae Yoon	Pohang University of Science anc	kor	233	1996	2022
Andreescu, Gheorghe Daniel	Universitatea Politehnica Timisoa	rou	68	1998	2021
Malcovati, P.	Università degli Studi di Pavia	ita	337	1993	2023
Celma, S.	Universidad de Zaragoza	esp	315	1990	2022
Xiao, Xi	Tsinghua University	chn	214	1996	2022
Pinheiro, José R.	Universidade Federal de Santa M	bra	203	1993	2022
Natarajan, A.	Oregon State University	usa	111	2004	2022
Shen, Yi	Harbin Institute of Technology	chn	540	1988	2022
Wu, Weimin	Shanghai Maritime University	chn	152	2001	2022
Serdijn, Wouter A.	Delft University of Technology	nld	286	1992	2022
Cataliotti, Antonio	Università degli Studi di Palermo	ita	149	1997	2022
Iacchetti, Matteo F.	The University of Manchester	gbr	84	2008	2022
He, Yigang	Wuhan University	chn	493	1996	2022
Schlecht, Martin F.	Massachusetts Institute of Techn	usa	50	1980	2015
Sodagar, Amir M.	York University	can	115	1994	2022

Zhou, Lin	Chongqing University of Technology	chn	174	2002	2022
Bai, Hua	The University of Tennessee, Knoxville	usa	118	2003	2022
Li, Lei	Nanjing University of Science and Technology	chn	249	2001	2022
Won, Chung Yuen	SKKU College of Information and Communication	kor	228	1987	2022
He, Junjia	Huazhong University of Science and Technology	chn	330	1996	2022
Valle, Maurizio	Università degli Studi di Genova	ita	221	1989	2023
Ertl, Hans	Technische Universität Wien	aut	96	1983	2020
Liu, Bangyin	Huazhong University of Science and Technology	chn	95	2003	2022
Makowski, Marek S.	Gdańsk University of Technology	pol	12	1992	2017
Duque-Carrillo, Juan Francisco	Universidad de Extremadura	esp	103	1983	2022
Misra, Devendra K.	University of Wisconsin-Milwaukee	usa	37	1978	2006
Hashemian, Reza	Northern Illinois University	usa	88	1971	2021
Mirabbasi, Shahriar	The University of British Columbia	can	230	1996	2022
Hredzak, Branislav	University of New South Wales, Sydney	aus	130	1996	2022
Chaoui, Hicham	Carleton University	can	140	2004	2022
Park, Ki Bum	Korea Advanced Institute of Science and Technology	kor	87	1996	2021
Razik, Hubert	Université Claude Bernard Lyon 1	fra	131	1990	2022
Kimura, Katsuji	NEC Corporation	jpn	25	1987	1998
Bulzacchelli, John	IBM Thomas J. Watson Research Center	usa	62	1992	2022
Flammini, A.	Università degli Studi di Brescia	ita	332	1997	2023
Nuccio, Salvatore	Università degli Studi di Palermo	ita	92	1993	2018
Dehaene, Wim	KU Leuven	bel	363	1992	2022
Ye, Lin	China Agricultural University	chn	109	1999	2022
Liu, Fangrui	Power Supply Inc.	can	44	2003	2015
Yesil, Abdullah	Bandırma Onyedi Eylül University	tur	48	2010	2022
Naayagi, Ramasamy Thaiyal	Newcastle University Singapore	sgp	68	2005	2022
Murai, Yoshihiro	Gifu University	jpn	92	1971	2001
Iman-Eini, Hossein	University of Tehran	irn	141	2003	2022
O'Leary, Paul	Montanuniversität Leoben	aut	152	1988	2022
Idris, Nik Rumzi Nik	Universiti Teknologi Malaysia	mys	169	1997	2021
Mao, Hengchun	NetPower Technologies	usa	18	1991	2003
Lu, Zhigang	Yanshan University	chn	196	2006	2022
Patterson, Dean	Regal Beloit Corporation	aus	77	1990	2022
Li, Siqi	Kunming University of Science and Technology	chn	59	2008	2022
Sun, Xiaofeng	Yanshan University	chn	214	2000	2022
Zaky, Mohamed S.	Northern Border University	sau	36	2006	2022
Peroutka, Zdeněk	University of West Bohemia	cze	226	2002	2022
Oraee, Hashem	Sharif University of Technology	irn	112	1984	2020
Halonen, Kari A.I.	Aalto University	fin	517	1986	2022
Saied, Mohamed Mostafa	Kuwait University	kwt	81	1980	2014
Riad, Sedki M.	IEEE		100	1976	2006
Itakura, Tetsuro	Toshiba Corporation	jpn	128	1987	2021
Sheu, Bing J.	Taiwan Semiconductor Manufacturing Company	tw	194	1983	2013
Charalambous, Christakis	Kuwait University		65	1971	1992
Haslett, James W.	University of Calgary	can	172	1969	2021
Rocabert, Joan	Universitat Politècnica de Catalunya	esp	77	2004	2021
Shao, Jianwen	STMicroelectronics	usa	17	2002	2017

Tenhunen, Hannu	The Royal Institute of Technology	swe	691	1984	2022
Sun, Li	Harbin Institute of Technology	chn	189	2000	2022
Philips, Kathleen	Holst Centre	nld	99	2000	2021
Ebrahimi, Bashir Mahdi	University of Tehran	irn	58	2006	2017
Stone, David A.	The University of Sheffield	gbr	276	1992	2022
Kim, Suhwan	Seoul National University	kor	205	1998	2022
Zimmermann, Reto	Synopsys Switzerland LLC	che	8	1993	2009
Orabi, Mohamed	Aswan University	egy	242	2002	2022
Barbosa, Peter	Delta Electronics, Inc.	usa	51	1996	2022
Lee, Seung Jin	University of Ulsan College of Me	kor	178	1981	2013
Leung, B.	University of Waterloo	can	69	1988	2018
Kim, Sungmin	Hanyang University ERICA Campu	kor	43	2010	2022
Ma, Hao	College of Electrical Engineering,	chn	207	1999	2022
Marioli, Daniele	Università degli Studi di Brescia	ita	225	1977	2016
Francois, Bruno	Université de Lille	fra	148	1996	2022
Zhu, Xiaoyong	Jiangsu University	chn	203	2005	2022
Li, Qingmin	North China Electric Power Unive	chn	385	1997	2022
Ceballos, S.	Basque Research and Technology	esp	146	2005	2022
Zhang, Zhiliang	Nanjing University of Aeronautic	chn	159	2005	2022
Yang, Qixun	North China Electric Power Unive	chn	273	1993	2022
Stoppa, David	Bruno Kessler Foundation	ita	177	1997	2020
Yin, Xianggen	Huazhong University of Science a	chn	482	1987	2022
Li, Wei	Opal-RT Technologies	can	64	2006	2022
Mercier, Patrick P.	University of California, San Dieg	usa	74	2005	2022
Thrimawithana, Duleepa J.	The University of Auckland	nzl	128	2005	2022
Cathelin, Andreia	STMicroelectronics SA, France	fra	181	1998	2022
Belega, Daniel	Universitatea Politehnica Timisoa	rou	110	2000	2022
Shu, Yinbiao	State Grid Corporation of China	chn	27	2001	2019
Guglielmi, Paolo	Politecnico di Torino	ita	116	1998	2022
Swamy, Mahesh	Yaskawa Electric America, Inc.	usa	69	1988	2020
Buonomo, Antonio	Università degli Studi della Camp	ita	75	1979	2018
Al-Durra, Ahmed	Khalifa University of Science and	are	237	2008	2022
Pitel, Ira J.	Magna-Power Electronics, Inc.	usa	53	1977	2020
Tan, Yen Kheng	Singapore University of Technolc	sgp	36	2004	2018
Empringham, Lee	University of Nottingham	gbr	130	1998	2022
Herencsar, Norbert	Brno University of Technology, Fi	cze	244	2007	2022
Boni, Andrea	Università di Parma	ita	82	1994	2022
Schaumann, Rolf	Portland State University	usa	119	1971	2009
Hajj, Ibrahim N.	University of Illinois Urbana-Char	usa	188	1971	2017
Chang, Liuchen	Emera & NB Power Research Cer	can	271	2002	2022
Hodges, David A.	University of California, Berkeley	usa	110	1963	2019
Fang, Chung Chieh	Sunplus Technology Co Ltd	twn	32	1998	2018
Vandersteen, Gerd	Vrije Universiteit Brussel	bel	236	1993	2022
Kušljević, Miodrag D.	Termoelektro Enel AD	srb	28	2004	2022
Ahn, Jin Woo	Kyungshung University	kor	249	1995	2022
Chen, Wai Kai	University of Illinois at Chicago	usa	251	1964	2021
Degner, Michael	Ford Motor Company	usa	95	1994	2022

Hsu, Cheng Ting	Southern Taiwan University of Science and Technology	twn	92	1993	2021
Arpaia, Pasquale	Università degli Studi di Napoli Federico II	ita	345	1989	2022
Paul, Dev	AECOM Technology Corporation	usa	56	1987	2021
Schofield, Nigel	University of Huddersfield	gbr	148	1996	2022
Yang, Xu	Xi'an Jiaotong University	chn	414	1996	2022
Unbehauen, R.	Friedrich-Alexander-Universität Erlangen-Nürnberg	deu	318	1964	2015
Foo, Gilbert	Auckland University of Technology	nzl	88	2007	2022
Trajkovic, Ljiljana	Simon Fraser University	can	151	1986	2022
Heldwein, Marcelo Lobo	Universidade Federal de Santa Catarina	bra	161	1999	2022
Takeshita, Takaharu	Nagoya Institute of Technology	jpn	250	1984	2022
Shimizu, Kazuo	Shizuoka University	jpn	105	1989	2022
Wang, Dewen	Ministry of Education China	chn	63	2007	2022
Vlach, Jiri	University of Waterloo	can	153	1967	2013
Hayes, John G.	University College Cork	irl	66	1996	2022
Youssef, Mohamed	Ontario Tech University	can	103	2003	2022
Ahmed, Shehab	King Abdullah University of Science and Technology	sau	315	2001	2022
Acharjee, Parimal	National Institute of Technology, Kharagpur	ind	88	2008	2022
Wrobel, Rafal	Newcastle University	gbr	115	2000	2022
Kim, Rae Young	Hanyang University	kor	166	1999	2022
Mak, Pui In	State Key Laboratory of Analog and Mixed-Signal ICs	mac	350	2003	2022
Lima, Antonio M.N.	Universidade Federal de Campina Grande	bra	351	1985	2022
Tang, Yu	Hebei University of Technology	chn	92	2005	2022
Capel, A.	European Space Agency Technology Centre	nld	64	1972	2015
Li, Zheng	Hebei University of Science and Technology	chn	199	2005	2022
Weaver, Wayne W.	Michigan Technological University	usa	107	2004	2022
Guan, Minyuan	State Grid Zhejiang Electric Power Company	chn	36	2009	2022
Pendrill, Leslie	RISE Research Institutes of Sweden	swe	111	1977	2022
Lee, June Seok	Dankook University	kor	107	2011	2022
De La Rosa, Jose M.	Instituto de Microelectrónica de Sevilla	esp	187	1988	2022
Uceda, J.	Universidad Politécnica de Madrid	esp	219	1983	2021
Swingler, Jonathan	Heriot-Watt University	gbr	68	1993	2022
Su, David K.	Stanford University	usa	63	1993	2013
Kato, Toshiji	Doshisha University	jpn	152	1983	2022
Chang, Hsie Chia	National Chiao Tung University	twn	131	1998	2021
Mao, Meiqin	Hefei University of Technology	chn	168	2003	2022
Arseneau, Rejean	National Research Council Canada	can	64	1982	2017
Stack, Jason	Office of Naval Research	usa	34	2002	2016
Allmeling, Jost	Plexim GmbH	che	23	1996	2021
Rofougaran, Ahmadreza	Broadcom Inc., San Jose	usa	70	1988	2017
Ishikuro, Hiroki	Keio University	jpn	192	1996	2022
Wentzloff, David D.	University of Michigan, Ann Arbor	usa	137	2002	2022
Elgendy, M. A.	Newcastle University	gbr	57	2004	2022
Liu, Cheng Tsung	National Sun Yat-Sen University	twn	156	1987	2021
Yousefzadeh, Vahid	Texas Instruments	usa	38	2004	2022
Celanovic, Nikola Fischer	Typhoon HIL, GmbH	che	25	1996	2013
Kaminski, Nando	Universität Bremen	deu	67	1998	2022
Wang, Xue	Tsinghua University	chn	129	2005	2022

Yan, Gang	Nanjing University of Aeronautic	chn	62	2004	2022
Yamauchi, Hiroyuki	Fukuoka Institute of Technology	jpn	105	1988	2022
Franceschini, Giovanni	Università degli Studi di Modena	ita	146	1989	2022
Klonz, M.	Physikalisch-Technische Bundesa	deu	90	1977	2014
Flynn, David	University of Southampton	gbr	35	1997	2019
Shea, John J.	Schneider Electric	usa	44	1992	2019
Kim, Jang Mok	Pusan National University	kor	161	1995	2022
Besnerais, Jean Le	Eomys Engineering	fra	48	2006	2022
Diallo, Demba	Universite Paris-Saclay	fra	174	1993	2022
Zhu, Chunbo	Harbin Institute of Technology	chn	212	2000	2022
Samori, Carlo	Politecnico di Milano	ita	136	1993	2022
Cao, Dong	University of Dayton	usa	80	2008	2022
Kibble, Bryan	Physikalisch-Technische Bundesa	deu	98	1961	2016
Je, Minkyu	Korea Advanced Institute of Scie	kor	288	1998	2022
Chen, Chingchi	Ford Motor Company	usa	69	1991	2021
Agamloh, Emmanuel B.	Baylor University	usa	66	2004	2022
Farzanehfard, Hosein	Isfahan University of Technology	irn	188	1987	2022
Wu, Jieh Tsorng	National Chiao Tung University	twn	68	1988	2021
Cho, Gyu Hyeong	Korea Advanced Institute of Scie	kor	331	1983	2019
Park, In Cheol	Korea Advanced Institute of Scie	kor	237	1988	2022
Piguet, Christian	Centre Suisse d'Electronique et d	che	125	1979	2017
Sonkusale, Sameer	Tufts University	usa	227	2000	2022
Zhang, Zhijin	Chongqing University	chn	265	2003	2022
Napoli, Ettore	Università degli Studi di Salerno	ita	145	1997	2022
Ma, Xikui	Xi'an Jiaotong University	chn	258	1987	2022
Alolah, Abdulrahman I.	King Saud University	sau	92	1988	2022
Lu, Chih Wen	National Tsing Hua University	twn	83	1994	2022
Guo, Chunyi	North China Electric Power Unive	chn	145	2008	2022
Cupertino, Francesco	Politecnico di Bari	ita	158	1998	2022
Altin, Necmi	Gazi Üniversitesi	tur	92	2008	2022
Krishnaswamy, Harish	Columbia University	usa	156	2005	2022
Pratt, Jon R.	National Institute of Standards ar	usa	138	1993	2021
Ghafar-Zadeh, Ebrahim	York University	can	148	2005	2022
Xu, Jianzhong	North China Electric Power Unive	chn	155	2011	2022
Wolbank, Thomas	Technische Universität Wien	aut	196	1993	2022
Adams, Robert	Analog Devices, Inc.	usa	39	1979	2019
Mattisson, Sven	Ericsson Sweden	swe	63	1985	2020
Moreno-Munoz, Antonio	Universidad de Córdoba	esp	203	2002	2022
Yoo, Jerald	National University of Singapore	sgp	94	2006	2022
Bol, David	Université Catholique de Louvain	bel	123	2005	2022
Qu, Liyan	University of Nebraska–Lincoln	usa	125	2004	2021
Stroe, Daniel Ioan	Aalborg University	dnk	154	2010	2022
Sareni, Bruno	Institut National Polytechnique d	fra	74	1996	2022
Mastromauro, Rosa Anna	Università degli Studi di Firenze	ita	68	2006	2021
Ishikawa, Takeo	Gunma University	jpn	118	1981	2020
Rao, Hong	China Southern Power Grid	chn	127	2005	2021
Jeon, Seong Jeub	Pukyong National University	kor	36	1983	2022

Ordonez, Martin	The University of British Columbia	can	178	2005	2022
Jain, Amit	Indian Institute of Technology Delhi	ind	118	1997	2022
Munk-Nielsen, Stig	Aalborg University	dnk	211	1992	2022
Lee, Kang	National Institute of Standards and Technology	usa	40	1995	2021
Hikihara, Takashi	Kyoto University	jpn	233	1986	2022
Zhang, Zhe	Huazhong University of Science and Technology	chn	224	1986	2013
Corradini, Luca	University of Colorado Boulder	usa	90	2006	2022
Axelrod, Boris	Holon Institute of Technology	isr	50	1996	2019
Pomilio, José Antenor	Universidade Estadual de Campinas	bra	176	1989	2021
Hung, James C.	The University of Tennessee, Knoxville	usa	77	1964	2016
Alberti, Luigi	Università degli Studi di Padova	ita	110	2007	2022
Yin, Wuliang	The University of Manchester	gbr	201	1964	2022
Jeong, Deog Kyoon	Inter-University Semiconductor Research Center	kor	300	1987	2022
Zhu, Lizhi	Ballard Power Systems	usa	10	1998	2006
Ueta, Tetsushi	Tokushima University	jpn	102	1994	2021
Gasperi, Michael L.	Rockwell Automation Headquarters	usa	14	1983	2008
Papanikolaou, Nick	Democritus University of Thrace	grc	75	1998	2022
Pamarti, Sudhakar	University of California, Los Angeles	usa	108	2003	2022
Chattopadhyay, Ajit K.	Indian Institute of Engineering Science and Technology	ind	100	1973	2018
Mahmud, Syed Masud	Wayne State University	usa	80	1986	2016
Stouraitis, Thanos	Khalifa University of Science and Technology	are	170	1985	2022
Mahattanakul, Jirayuth	Mahanakorn University of Technology	tha	53	1995	2021
Li, Dawei	Huazhong University of Science and Technology	chn	219	2011	2022
Sun, Xiaodong	Jiangsu University	chn	198	2006	2022
Tsuji, Toshiaki	Saitama University	jpn	207	2000	2022
Wanhammar, Lars	Linköpings Universitet	swe	133	1979	2018
Deng, Fujin	Southeast University	chn	141	2009	2022
Diaz-Reigosa, David	Universidad de Oviedo	esp	156	2005	2022
Tang, Xisheng	University of Chinese Academy of Sciences	chn	82	2006	2022
Liang, Yiqiao	School of Information & Electrical Engineering	chn	55	1998	2022
Kiani, Mehdi	Pennsylvania State University	usa	79	2009	2022
Antonopoulos, Antonios	ABB Corporate Research, Västerås	swe	36	2009	2018
Liang, Yung C.	National University of Singapore	sgp	158	1988	2022
Agarwal, Amit	Intel Corporation	usa	93	2001	2022
Narimani, Mehdi	McMaster University, Faculty of Engineering	can	139	2010	2022
Freschi, F.	Politecnico di Torino	ita	153	2004	2022
Sisinni, E.	Università degli Studi di Brescia	ita	207	2002	2023
Hsieh, Min Fu	National Cheng Kung University	twn	138	1997	2022
Merolla, Paul	IBM Research - Almaden	usa	26	2004	2016
Hsu, John S.	Oak Ridge National Laboratory	usa	33	1988	2008
Lidow, Alex	Efficient Power Conversion Corporation	usa	48	1977	2022
Wu, Lijian	College of Electrical Engineering, Tsinghua University	chn	144	2003	2022
Li, Lin	North China Electric Power University	chn	257	1996	2022
Zhang, Chenghui	Shandong University	chn	340	2013	2022
Testa, Antonio	Università degli Studi di Messina	ita	191	1992	2022
Li, Weili	Beijing Jiaotong University	chn	271	1998	2022
Mai, Ruikun	Southwest Jiaotong University	chn	181	2006	2022

Pai, Fu Sheng	National University of Tainan Tai	twn	37	2000	2021
Hackl, Christoph	Hochschule München	deu	149	2004	2022
Shaw, Steven R.	Montana State University	usa	54	1994	2021
Kapat, Santanu	Indian Institute of Technology Kh	ind	82	2008	2022
Luk, Patrick	Cranfield University	gbr	170	1993	2022
Canales, Francisco	ABB Corporate Research Center -	che	100	1994	2020
Hew, Wooi Ping	Universiti Malaya	mys	170	1995	2019
Amirtharajah, Rajeevan	University of California, Davis	usa	80	1995	2022
Marroyo, L.	Universidad Pública de Navarra	esp	132	1997	2022
Deng, Zhiquan	Nanjing University of Aeronautic	chn	309	1997	2023
Ho, Carl Ngai Man	University of Manitoba	can	111	2005	2022
Acero, Jesus	Universidad de Zaragoza	esp	140	2002	2022
Soong, Wen L.	The University of Adelaide	aus	141	1999	2022
Fei, Weizhong	Ltd.	chn	65	2001	2021
Groza, Voicu	University of Ottawa	can	254	1997	2021
Cai, Guowei	Northeast China Institute of Elect	chn	268	1997	2022
Kang, Sung Mo	University of California, Santa Cri	usa	46	1976	2022
Gao, Zonghe	NARI Technology Co., Ltd.	chn	59	2001	2020
Panda, Anup Kumar	National Institute of Technology	ind	215	1998	2022
Zhang, Xi	Shanghai Jiao Tong University	chn	93	2006	2022
Veendrick, Harry	NXP Semiconductors	nld	25	1980	2018
Strydom, Johan	Texas Instruments	usa	77	1999	2022
Barut, Murat	Nigde Omer Halisdemir Universit	tur	38	2002	2021
Tang, Sai Chun	City University of Hong Kong	hkg	58	1997	2019
Zhao, Rui	Harveston Asset Management	sgp	33	2012	2021
MENG, Lexuan	ABB	swe	75	2011	2022
Gu, Xueping	North China Electric Power Unive	chn	189	1998	2022
Rolain, Yves	Vrije Universiteit Brussel	bel	340	1986	2022
Oates, Colin	General Electric Company	gbr	28	1984	2017
Leidhold, Roberto	Otto von Guericke University of M	deu	109	1998	2022
Riera-Guasp, Martin	Universitat Politècnica de Valènc	esp	95	1985	2022
Krishnaswami, Hariharan	ManTech International Corporati	usa	26	2005	2020
Falconi, Christian	Università degli Studi di Roma Tc	ita	74	2001	2022
Chwastek, Krzysztof	Częstochowa University Of Techr	pol	88	2006	2022
Li, Licheng	South China University of Techno	chn	258	2002	2022
Chen, Dan	National Taiwan University	twn	159	1972	2018
Rojko, Andreja	European Center for Power Elect	deu	39	1999	2019
So, Eddy	National Research Council Canad	can	149	1979	2019
Finley, William	Siemens AG	usa	46	1990	2021
Tallam, Rangaranjan	Low Voltage Drives Group of Roc	usa	65	2000	2021
Zhao, Wenxiang	Jiangsu University	chn	283	2004	2022
Wang, K.	Nanjing University of Aeronautic	chn	115	2012	2022
Eberle, Wilson	The University of British Columbi	can	99	2002	2022
Zurawski, Richard	The ISA Group	usa	64	1989	2020
Asiminoaei, Lucian	Danfoss AS	dnk	39	2003	2019
Rapuano, Sergio	Università degli Studi del Sannio	ita	221	2001	2022
Kim, Tony Tae Hyoung	Nanyang Technological Universit	sgp	149	2002	2020

Mohanty, Basant Kumar	Sambalpur University	ind	59	1996	2021
Adib, Ehsan	Isfahan University of Technology	irn	151	2006	2022
Manjrekar, Madhav	The University of North Carolina	usa	98	1996	2022
Ytterdal, Trond	Norges Teknisk-Naturvitenskape	nor	195	1992	2022
Zhao, Yue	University of Arkansas	usa	89	2011	2022
Ferrari, Paolo	Università degli Studi di Brescia	ita	236	2001	2022
Richelli, Anna	Università degli Studi di Brescia	ita	69	2001	2022
Hsieh, Guan Chyun	National Cheng Kung University	twn	88	1987	2019
Stauth, Jason T.	Thayer School of Engineering at I	usa	68	2006	2022
Garrido, Mario	Universidad Politécnica de Madri	esp	52	2005	2022
Moraes, Fernando Gehm	Pontifícia Universidade Católica c	bra	249	1994	2022
Chen, Ke Horng	National Yang Ming Chiao Tung U	twn	303	1997	2022
Usamentiaga, Rubén	Universidad de Oviedo	esp	124	2000	2022
Chinthavali, Madhu Sudhan	Oak Ridge National Laboratory	usa	101	2003	2022
Rojas, Christian A.	Utfsm	chl	70	2009	2022
Basu, Arindam	City University of Hong Kong	hkg	141	2004	2022
Dajaku, Gurakuq	FEAAM GmbH	deu	68	2004	2022
Ponci, Ferdinanda	Rheinisch-Westfälische Technisc	deu	278	1999	2022
Sutherland, Peter E.	GE Energy	usa	78	1994	2016
Sengupta, Kaushik	Princeton University	usa	111	2005	2022
Wang, Haoyu	ShanghaiTech University	chn	75	2010	2022
Cruz Serra, António	Instituto Superior Técnico	prt	141	1990	2015
Peretto, Lorenzo	Alma Mater Studiorum Universit	ita	190	1996	2022
Alarcón, Eduard	Universitat Politècnica de Catalu	esp	320	1996	2022
Zigliotto, Mauro	Università degli Studi di Padova	ita	145	1991	2022
Brambilla, Angelo	Politecnico di Milano	ita	146	1985	2022
Girao, Pedro Silva	Instituto Superior Técnico	prt	271	1986	2021
Hernandez, Wilmar	Universidad de las Americas - Ecu	ecu	118	1995	2022
Liu, Kaipei	Wuhan University	chn	342	2002	2022
Bruzzese, Claudio	Sapienza Università di Roma	ita	75	2004	2020
D'antona, Gabriele	Politecnico di Milano	ita	113	1988	2021
Krzeminski, Zbigniew	Gdańsk University of Technology	pol	80	1985	2022
Ramos, Pedro M.	Instituto Superior Técnico	prt	156	1997	2021
Iannuzzo, Francesco	Aalborg University	dnk	246	1999	2022
Cristaldi, Loredana	Politecnico di Milano	ita	153	1992	2022
Bryant, Angus	Amantys Power Electronics	gbr	69	2002	2021
Ruderman, Alex	Nazarbayev University	kaz	85	2004	2021
Liang, Junrui	ShanghaiTech University	chn	87	2008	2022
Sergeant, Peter	Universiteit Gent	bel	241	2002	2022
Gao, Fei	Université de Technologie de Bel	fra	182	2009	2022
Kanaan, Hadi Y.	Université Saint-Joseph de Beyro	lbn	227	2000	2022
Alegria, Francisco C.	Universidade de Lisboa	prt	77	1997	2020
Lei, Gang	University of Technology Sydney	aus	176	2007	2022
Zhu, Huangqiu	Jiangsu University	chn	270	2001	2022
Strzelecki, R.	Gdańsk University of Technology	pol	174	1985	2022
Li, Yong An	Xianyang Normal University	chn	36	2009	2020
Chen, Weijiang	State Grid Corporation of China	chn	270	2003	2022

Cuzner, Robert	University of Wisconsin-Milwauk	usa	102	1990	2022
Gallo, Daniele	Università degli Studi della Camp	ita	179	2000	2022
Tarasiuk, Tomasz	Akademia Morska w Gdyni	pol	69	1998	2022
Dong, Feng	Tianjin University	chn	405	2001	2022
Yavari, Mohammad	Amirkabir University of Technolo	irn	143	2001	2022
Xiu, Liming	Boe Technology Group	chn	41	1998	2022
Stala, Robert	AGH University of Science and Te	pol	61	2005	2022
Macii, David	Università di Trento	ita	156	2001	2022
Trovão, João Pedro F.	Université de Sherbrooke	can	156	2003	2022
Sikora, Janusz W.	Politechnika Lubelska	pol	203	1976	2022
Vitale, Gianpaolo	Istituto Di Calcolo E Reti Ad Alte I	ita	176	1993	2022
Xu, Zhiniu	North China Electric Power Unive	chn	122	2005	2022
Sen, Shreyas	Purdue University	usa	153	2005	2022
Islam, Md Rabiul	University of Wollongong	aus	289	2001	2022
Feely, Orla	University College Dublin	irl	112	1991	2018
Demenko, Andrzej	Politechnika Poznanska	pol	89	1977	2022
De Feo, Oscar	Solianis Monitoring AG	che	37	1997	2011
Vahedi, Hani	Institut de Recherche en Immunc	can	91	2010	2022
Nihtianov, Stoyan	Delft University of Technology	nld	132	1991	2022
Lay-Ekuakille, A.	Universita del Salento	ita	320	2000	2022
Catelani, Marcantonio	Università degli Studi di Firenze	ita	243	1986	2022
Norgia, Michele	Politecnico di Milano	ita	189	1997	2022
Carullo, Alessio	Politecnico di Torino	ita	104	1995	2022
Shahgholian, Ghazanfar	Islamic Azad University, Najafaba	irn	128	2005	2022
Crovetti, Paolo	Politecnico di Torino	ita	74	2001	2022
De Vito, Luca	Università degli Studi del Sannio	ita	181	2002	2022
Iwasaki, Makoto	Nagoya Institute of Technology	jpn	298	1988	2022
Liguori, Consolatina	Università degli Studi di Salerno	ita	180	1994	2022
Shi, Guoyong	Shanghai Jiao Tong University	chn	110	1999	2022
De Capua, Claudio	Università degli Studi di Reggio C	ita	117	1993	2022
Staudt, Volker	Ruhr-Universität Bochum	deu	190	1994	2022
Musumeci, Salvatore	Politecnico di Torino	ita	126	1992	2022
Islam, Tarikul	Jamia Millia Islamia	ind	124	2004	2022
Guzinski, Jaroslaw	Gdańsk University of Technology	pol	75	2001	2022
Rossi, Giovanni Battista	Università degli Studi di Genova	ita	86	1987	2022
Tadeusiewicz, Michal	Lodz University of Technology	pol	93	1973	2022
Yu, Jilai	Harbin Institute of Technology	chn	251	1993	2022
Mitolo, Massimo	Irvine Valley College	usa	151	2004	2022
Storace, Marco	Università degli Studi di Genova	ita	163	1994	2022
Georgiou, Pantelis	Imperial College London	gbr	271	2006	2022
Kularatna, Nihal	The University of Waikato	nzl	127	1988	2022
Chang, Yuen Haw	Chaoyang University of Technolo	twn	68	1995	2022
Heidari, Hadi	University of Glasgow	gbr	182	2013	2022
Giakos, George C.	Manhattan College	usa	232	1991	2022
Zagirnyak, Mykhaylo	Kremenchuk Mykhailo Ostrohrac	ukr	163	1976	2022
Morawski, Roman Z.	Politechnika Warszawska	pol	172	1982	2021
Amirabadi, Mahshid	Northeastern University	usa	67	2006	2022

Sourkounis, Constantinos	Ruhr-Universitat Bochum	deu	275	1995	2022
Piskorowski, Jacek	West Pomeranian University of T	pol	62	2004	2022
Górecki, Krzysztof	Akademia Morska w Gdyni	pol	246	1995	2022
Hanus, Robert	Politechnika Rzeszowska	pol	87	2001	2022
Nieuwoudt, Arthur	Synopsys Incorporated	usa	71	2005	2017
Nasiri-Gheidari, Zahra	Sharif University of Technology	irn	74	2010	2022
Rymarczyk, Tomasz	University of Economics and Innc	pol	183	2008	2022
Berg, Yngvar	University of South-Eastern Norw	nor	183	1992	2021

rank (ns)	c (ns)	sm-subfield-1	k sm-subfie	sm-subfield-1 count
320	4.8637	Electrical & Electronic Engineering	1	82,803
591	4.7356	Electrical & Electronic Engineering	3	82,803
639	4.7196	Electrical & Electronic Engineering	2	82,803
712	4.7016	Electrical & Electronic Engineering	4	82,803
2,597	4.4635	Electrical & Electronic Engineering	5	82,803
3,958	4.3731	Electrical & Electronic Engineering	7	82,803
3,965	4.3727	Electrical & Electronic Engineering	8	82,803
3,973	4.3723	Electrical & Electronic Engineering	6	82,803
5,827	4.2885	Electrical & Electronic Engineering	11	82,803
6,107	4.2782	Electrical & Electronic Engineering	10	82,803
6,128	4.2774	Electrical & Electronic Engineering	12	82,803
7,918	4.2156	Electrical & Electronic Engineering	15	82,803
7,959	4.2143	Electrical & Electronic Engineering	13	82,803
8,089	4.2100	Electrical & Electronic Engineering	17	82,803
8,103	4.2095	Electrical & Electronic Engineering	9	82,803
9,246	4.1769	Electrical & Electronic Engineering	16	82,803
9,259	4.1765	Electrical & Electronic Engineering	14	82,803
9,442	4.1724	Electrical & Electronic Engineering	25	82,803
9,550	4.1694	Electrical & Electronic Engineering	19	82,803
9,823	4.1622	Electrical & Electronic Engineering	21	82,803
9,944	4.1589	Electrical & Electronic Engineering	20	82,803
10,159	4.1543	Electrical & Electronic Engineering	27	82,803
10,339	4.1499	Electrical & Electronic Engineering	23	82,803
10,482	4.1461	Electrical & Electronic Engineering	24	82,803
10,600	4.1434	Electrical & Electronic Engineering	22	82,803
10,611	4.1431	Electrical & Electronic Engineering	30	82,803
10,772	4.1397	Electrical & Electronic Engineering	18	82,803
11,250	4.1279	Electrical & Electronic Engineering	29	82,803
11,985	4.1125	Electrical & Electronic Engineering	31	82,803
12,597	4.0999	Electrical & Electronic Engineering	28	82,803
12,644	4.0989	Electrical & Electronic Engineering	33	82,803
12,862	4.0944	Electrical & Electronic Engineering	26	82,803
12,945	4.0927	Electrical & Electronic Engineering	34	82,803
13,222	4.0872	Electrical & Electronic Engineering	32	82,803
14,003	4.0713	Electrical & Electronic Engineering	36	82,803
14,592	4.0603	Electrical & Electronic Engineering	37	82,803
15,053	4.0518	Electrical & Electronic Engineering	42	82,803
15,127	4.0506	Electrical & Electronic Engineering	38	82,803
16,020	4.0345	Electrical & Electronic Engineering	46	82,803
16,719	4.0228	Electrical & Electronic Engineering	47	82,803
16,746	4.0223	Electrical & Electronic Engineering	35	82,803
16,942	4.0187	Electrical & Electronic Engineering	44	82,803
17,582	4.0084	Electrical & Electronic Engineering	40	82,803
18,114	4.0002	Electrical & Electronic Engineering	43	82,803
18,784	3.9907	Electrical & Electronic Engineering	41	82,803
18,821	3.9900	Electrical & Electronic Engineering	49	82,803
19,560	3.9791	Electrical & Electronic Engineering	53	82,803
19,861	3.9747	Electrical & Electronic Engineering	51	82,803

20,279	3.9690	Electrical & Electronic Engineering	54	82,803
20,577	3.9648	Electrical & Electronic Engineering	52	82,803
21,656	3.9504	Electrical & Electronic Engineering	55	82,803
22,616	3.9379	Electrical & Electronic Engineering	39	82,803
23,067	3.9319	Electrical & Electronic Engineering	45	82,803
23,434	3.9274	Electrical & Electronic Engineering	48	82,803
23,513	3.9264	Electrical & Electronic Engineering	57	82,803
26,020	3.8968	Electrical & Electronic Engineering	58	82,803
26,144	3.8954	Electrical & Electronic Engineering	62	82,803
26,917	3.8868	Electrical & Electronic Engineering	63	82,803
27,254	3.8832	Electrical & Electronic Engineering	67	82,803
27,350	3.8822	Electrical & Electronic Engineering	64	82,803
28,010	3.8755	Electrical & Electronic Engineering	72	82,803
28,257	3.8729	Electrical & Electronic Engineering	59	82,803
28,461	3.8710	Electrical & Electronic Engineering	50	82,803
28,900	3.8665	Electrical & Electronic Engineering	70	82,803
28,955	3.8660	Electrical & Electronic Engineering	66	82,803
29,393	3.8613	Electrical & Electronic Engineering	56	82,803
29,610	3.8591	Electrical & Electronic Engineering	60	82,803
30,777	3.8474	Electrical & Electronic Engineering	68	82,803
31,813	3.8377	Electrical & Electronic Engineering	69	82,803
31,856	3.8372	Electrical & Electronic Engineering	77	82,803
32,467	3.8317	Electrical & Electronic Engineering	80	82,803
32,867	3.8281	Electrical & Electronic Engineering	79	82,803
32,892	3.8278	Electrical & Electronic Engineering	78	82,803
33,014	3.8266	Electrical & Electronic Engineering	61	82,803
33,018	3.8266	Electrical & Electronic Engineering	65	82,803
33,146	3.8252	Electrical & Electronic Engineering	83	82,803
33,402	3.8226	Electrical & Electronic Engineering	76	82,803
33,510	3.8216	Electrical & Electronic Engineering	73	82,803
33,918	3.8180	Electrical & Electronic Engineering	84	82,803
34,029	3.8171	Electrical & Electronic Engineering	75	82,803
34,707	3.8111	Electrical & Electronic Engineering	71	82,803
35,303	3.8058	Electrical & Electronic Engineering	88	82,803
35,327	3.8055	Electrical & Electronic Engineering	74	82,803
35,796	3.8017	Electrical & Electronic Engineering	81	82,803
35,951	3.8004	Electrical & Electronic Engineering	86	82,803
36,533	3.7954	Electrical & Electronic Engineering	90	82,803
36,831	3.7926	Electrical & Electronic Engineering	82	82,803
36,931	3.7919	Electrical & Electronic Engineering	87	82,803
37,161	3.7900	Electrical & Electronic Engineering	101	82,803
37,767	3.7850	Electrical & Electronic Engineering	94	82,803
41,244	3.7572	Electrical & Electronic Engineering	91	82,803
41,466	3.7557	Electrical & Electronic Engineering	99	82,803
42,048	3.7513	Electrical & Electronic Engineering	98	82,803
42,797	3.7459	Electrical & Electronic Engineering	106	82,803
42,976	3.7446	Electrical & Electronic Engineering	102	82,803
43,372	3.7416	Electrical & Electronic Engineering	108	82,803
43,669	3.7394	Electrical & Electronic Engineering	109	82,803

44,506	3.7332	Electrical & Electronic Engineering	103	82,803
44,654	3.7321	Electrical & Electronic Engineering	100	82,803
44,708	3.7316	Electrical & Electronic Engineering	115	82,803
44,811	3.7308	Electrical & Electronic Engineering	113	82,803
45,577	3.7255	Electrical & Electronic Engineering	96	82,803
47,218	3.7140	Electrical & Electronic Engineering	112	82,803
47,292	3.7134	Electrical & Electronic Engineering	119	82,803
47,523	3.7119	Electrical & Electronic Engineering	125	82,803
47,824	3.7098	Electrical & Electronic Engineering	130	82,803
47,949	3.7090	Electrical & Electronic Engineering	92	82,803
48,106	3.7079	Electrical & Electronic Engineering	93	82,803
48,134	3.7077	Electrical & Electronic Engineering	104	82,803
48,507	3.7051	Electrical & Electronic Engineering	128	82,803
48,673	3.7039	Electrical & Electronic Engineering	111	82,803
48,956	3.7018	Electrical & Electronic Engineering	105	82,803
49,033	3.7013	Electrical & Electronic Engineering	132	82,803
49,474	3.6984	Electrical & Electronic Engineering	89	82,803
49,527	3.6980	Electrical & Electronic Engineering	127	82,803
49,820	3.6961	Electrical & Electronic Engineering	118	82,803
50,080	3.6945	Electrical & Electronic Engineering	85	82,803
50,731	3.6903	Electrical & Electronic Engineering	134	82,803
51,085	3.6880	Electrical & Electronic Engineering	123	82,803
51,187	3.6872	Electrical & Electronic Engineering	146	82,803
51,189	3.6872	Electrical & Electronic Engineering	122	82,803
51,413	3.6857	Electrical & Electronic Engineering	129	82,803
52,815	3.6762	Electrical & Electronic Engineering	154	82,803
52,996	3.6750	Electrical & Electronic Engineering	145	82,803
53,522	3.6717	Electrical & Electronic Engineering	97	82,803
53,986	3.6685	Electrical & Electronic Engineering	126	82,803
54,182	3.6675	Electrical & Electronic Engineering	110	82,803
54,256	3.6670	Electrical & Electronic Engineering	137	82,803
54,463	3.6658	Electrical & Electronic Engineering	114	82,803
54,634	3.6649	Electrical & Electronic Engineering	141	82,803
54,914	3.6631	Electrical & Electronic Engineering	139	82,803
55,430	3.6600	Electrical & Electronic Engineering	144	82,803
56,460	3.6538	Electrical & Electronic Engineering	157	82,803
56,698	3.6525	Electrical & Electronic Engineering	151	82,803
56,767	3.6521	Electrical & Electronic Engineering	142	82,803
57,078	3.6503	Electrical & Electronic Engineering	140	82,803
57,251	3.6494	Electrical & Electronic Engineering	116	82,803
57,258	3.6494	Electrical & Electronic Engineering	155	82,803
57,628	3.6472	Electrical & Electronic Engineering	149	82,803
58,011	3.6450	Electrical & Electronic Engineering	147	82,803
58,094	3.6445	Electrical & Electronic Engineering	117	82,803
58,161	3.6440	Electrical & Electronic Engineering	166	82,803
58,294	3.6433	Electrical & Electronic Engineering	164	82,803
58,511	3.6421	Electrical & Electronic Engineering	124	82,803
58,827	3.6402	Electrical & Electronic Engineering	160	82,803
59,475	3.6364	Electrical & Electronic Engineering	161	82,803

59,705	3.6352	Electrical & Electronic Engineering	159	82,803
60,773	3.6292	Electrical & Electronic Engineering	150	82,803
60,806	3.6291	Electrical & Electronic Engineering	172	82,803
60,988	3.6282	Electrical & Electronic Engineering	135	82,803
61,067	3.6278	Electrical & Electronic Engineering	143	82,803
61,183	3.6271	Electrical & Electronic Engineering	171	82,803
61,727	3.6239	Electrical & Electronic Engineering	148	82,803
63,565	3.6136	Electrical & Electronic Engineering	169	82,803
63,598	3.6134	Electrical & Electronic Engineering	158	82,803
63,705	3.6128	Electrical & Electronic Engineering	153	82,803
63,708	3.6128	Electrical & Electronic Engineering	107	82,803
63,861	3.6119	Electrical & Electronic Engineering	167	82,803
64,523	3.6084	Electrical & Electronic Engineering	183	82,803
64,695	3.6074	Electrical & Electronic Engineering	173	82,803
64,785	3.6069	Electrical & Electronic Engineering	95	82,803
65,567	3.6028	Electrical & Electronic Engineering	180	82,803
65,620	3.6026	Electrical & Electronic Engineering	165	82,803
65,666	3.6024	Electrical & Electronic Engineering	156	82,803
67,215	3.5937	Electrical & Electronic Engineering	199	82,803
68,091	3.5891	Electrical & Electronic Engineering	174	82,803
68,112	3.5890	Electrical & Electronic Engineering	203	82,803
68,389	3.5875	Electrical & Electronic Engineering	133	82,803
68,727	3.5857	Electrical & Electronic Engineering	175	82,803
68,894	3.5849	Electrical & Electronic Engineering	193	82,803
69,137	3.5836	Electrical & Electronic Engineering	138	82,803
69,461	3.5820	Electrical & Electronic Engineering	196	82,803
69,931	3.5795	Electrical & Electronic Engineering	191	82,803
69,992	3.5792	Electrical & Electronic Engineering	208	82,803
70,404	3.5772	Electrical & Electronic Engineering	131	82,803
70,427	3.5771	Electrical & Electronic Engineering	120	82,803
70,450	3.5770	Electrical & Electronic Engineering	185	82,803
71,046	3.5740	Electrical & Electronic Engineering	181	82,803
71,239	3.5731	Electrical & Electronic Engineering	179	82,803
71,978	3.5698	Electrical & Electronic Engineering	206	82,803
72,038	3.5695	Electrical & Electronic Engineering	168	82,803
72,118	3.5691	Electrical & Electronic Engineering	192	82,803
72,632	3.5664	Electrical & Electronic Engineering	170	82,803
73,188	3.5636	Electrical & Electronic Engineering	178	82,803
73,626	3.5615	Electrical & Electronic Engineering	202	82,803
73,765	3.5608	Electrical & Electronic Engineering	136	82,803
73,849	3.5604	Electrical & Electronic Engineering	163	82,803
74,074	3.5593	Electrical & Electronic Engineering	162	82,803
74,261	3.5583	Electrical & Electronic Engineering	204	82,803
74,506	3.5572	Electrical & Electronic Engineering	186	82,803
75,331	3.5534	Electrical & Electronic Engineering	205	82,803
75,513	3.5526	Electrical & Electronic Engineering	176	82,803
75,830	3.5509	Electrical & Electronic Engineering	214	82,803
75,870	3.5507	Electrical & Electronic Engineering	211	82,803
77,093	3.5450	Electrical & Electronic Engineering	213	82,803

77,256	3.5442	Electrical & Electronic Engineering	224	82,803
78,109	3.5403	Electrical & Electronic Engineering	221	82,803
78,461	3.5386	Electrical & Electronic Engineering	188	82,803
78,504	3.5384	Electrical & Electronic Engineering	184	82,803
78,753	3.5372	Electrical & Electronic Engineering	152	82,803
78,909	3.5366	Electrical & Electronic Engineering	244	82,803
79,449	3.5342	Electrical & Electronic Engineering	246	82,803
79,546	3.5338	Electrical & Electronic Engineering	229	82,803
79,959	3.5319	Electrical & Electronic Engineering	219	82,803
80,259	3.5305	Electrical & Electronic Engineering	190	82,803
81,589	3.5243	Electrical & Electronic Engineering	197	82,803
81,914	3.5227	Electrical & Electronic Engineering	243	82,803
82,480	3.5200	Electrical & Electronic Engineering	195	82,803
83,146	3.5170	Electrical & Electronic Engineering	228	82,803
83,191	3.5168	Electrical & Electronic Engineering	216	82,803
84,740	3.5101	Electrical & Electronic Engineering	209	82,803
85,348	3.5073	Electrical & Electronic Engineering	222	82,803
85,670	3.5060	Electrical & Electronic Engineering	225	82,803
85,722	3.5057	Electrical & Electronic Engineering	182	82,803
86,010	3.5045	Electrical & Electronic Engineering	220	82,803
86,426	3.5027	Electrical & Electronic Engineering	233	82,803
86,849	3.5009	Electrical & Electronic Engineering	226	82,803
87,467	3.4984	Electrical & Electronic Engineering	232	82,803
87,762	3.4971	Electrical & Electronic Engineering	121	82,803
88,539	3.4936	Electrical & Electronic Engineering	234	82,803
88,682	3.4931	Electrical & Electronic Engineering	212	82,803
88,929	3.4922	Electrical & Electronic Engineering	238	82,803
89,072	3.4916	Electrical & Electronic Engineering	227	82,803
89,285	3.4907	Electrical & Electronic Engineering	262	82,803
89,601	3.4893	Electrical & Electronic Engineering	254	82,803
89,879	3.4882	Electrical & Electronic Engineering	260	82,803
90,271	3.4867	Electrical & Electronic Engineering	248	82,803
90,538	3.4855	Electrical & Electronic Engineering	215	82,803
90,592	3.4852	Electrical & Electronic Engineering	194	82,803
91,063	3.4833	Electrical & Electronic Engineering	200	82,803
91,683	3.4808	Electrical & Electronic Engineering	265	82,803
92,402	3.4779	Electrical & Electronic Engineering	259	82,803
92,892	3.4759	Electrical & Electronic Engineering	247	82,803
92,938	3.4757	Electrical & Electronic Engineering	249	82,803
93,034	3.4753	Electrical & Electronic Engineering	189	82,803
93,277	3.4743	Electrical & Electronic Engineering	257	82,803
93,662	3.4728	Electrical & Electronic Engineering	272	82,803
93,958	3.4715	Electrical & Electronic Engineering	252	82,803
94,048	3.4712	Electrical & Electronic Engineering	284	82,803
94,349	3.4701	Electrical & Electronic Engineering	207	82,803
94,392	3.4699	Electrical & Electronic Engineering	268	82,803
94,430	3.4697	Electrical & Electronic Engineering	223	82,803

94,590	3.4691	Electrical & Electronic Engineering	282	82,803
94,743	3.4685	Electrical & Electronic Engineering	235	82,803
95,547	3.4655	Electrical & Electronic Engineering	291	82,803
95,628	3.4652	Electrical & Electronic Engineering	250	82,803
95,650	3.4651	Electrical & Electronic Engineering	239	82,803
95,695	3.4649	Electrical & Electronic Engineering	237	82,803
95,726	3.4648	Electrical & Electronic Engineering	258	82,803
96,028	3.4637	Electrical & Electronic Engineering	280	82,803
96,267	3.4628	Electrical & Electronic Engineering	270	82,803
96,484	3.4617	Electrical & Electronic Engineering	242	82,803
97,017	3.4598	Electrical & Electronic Engineering	261	82,803
97,862	3.4565	Electrical & Electronic Engineering	267	82,803
98,030	3.4558	Electrical & Electronic Engineering	266	82,803
98,193	3.4552	Electrical & Electronic Engineering	273	82,803
98,813	3.4527	Electrical & Electronic Engineering	285	82,803
99,098	3.4516	Electrical & Electronic Engineering	279	82,803
99,332	3.4507	Electrical & Electronic Engineering	283	82,803
99,839	3.4487	Electrical & Electronic Engineering	240	82,803
100,702	3.4453	Electrical & Electronic Engineering	269	82,803
101,481	3.4422	Electrical & Electronic Engineering	218	82,803
102,400	3.4389	Electrical & Electronic Engineering	217	82,803
102,631	3.4381	Electrical & Electronic Engineering	286	82,803
102,814	3.4374	Electrical & Electronic Engineering	210	82,803
102,878	3.4372	Electrical & Electronic Engineering	263	82,803
102,940	3.4369	Electrical & Electronic Engineering	278	82,803
103,785	3.4339	Electrical & Electronic Engineering	245	82,803
104,224	3.4322	Electrical & Electronic Engineering	287	82,803
104,725	3.4305	Electrical & Electronic Engineering	305	82,803
105,033	3.4294	Electrical & Electronic Engineering	231	82,803
105,824	3.4264	Electrical & Electronic Engineering	230	82,803
106,801	3.4228	Electrical & Electronic Engineering	293	82,803
107,266	3.4211	Electrical & Electronic Engineering	335	82,803
107,408	3.4206	Electrical & Electronic Engineering	309	82,803
107,605	3.4199	Electrical & Electronic Engineering	290	82,803
107,727	3.4194	Electrical & Electronic Engineering	323	82,803
107,838	3.4190	Electrical & Electronic Engineering	198	82,803
108,860	3.4153	Electrical & Electronic Engineering	241	82,803
109,012	3.4147	Electrical & Electronic Engineering	271	82,803
109,532	3.4128	Electrical & Electronic Engineering	275	82,803
109,597	3.4126	Electrical & Electronic Engineering	313	82,803
109,708	3.4122	Electrical & Electronic Engineering	201	82,803
111,219	3.4069	Electrical & Electronic Engineering	329	82,803
111,766	3.4051	Electrical & Electronic Engineering	264	82,803
113,373	3.3996	Electrical & Electronic Engineering	320	82,803
113,549	3.3990	Electrical & Electronic Engineering	315	82,803
113,654	3.3986	Electrical & Electronic Engineering	253	82,803
113,803	3.3981	Electrical & Electronic Engineering	177	82,803

114,230	3.3966	Electrical & Electronic Engineering	236	82,803
114,400	3.3961	Electrical & Electronic Engineering	324	82,803
114,492	3.3957	Electrical & Electronic Engineering	312	82,803
114,626	3.3952	Electrical & Electronic Engineering	314	82,803
114,941	3.3941	Electrical & Electronic Engineering	281	82,803
115,017	3.3937	Electrical & Electronic Engineering	308	82,803
115,327	3.3926	Electrical & Electronic Engineering	299	82,803
115,338	3.3925	Electrical & Electronic Engineering	336	82,803
115,564	3.3917	Electrical & Electronic Engineering	339	82,803
115,690	3.3913	Electrical & Electronic Engineering	274	82,803
116,666	3.3881	Electrical & Electronic Engineering	294	82,803
117,989	3.3836	Electrical & Electronic Engineering	326	82,803
118,036	3.3835	Electrical & Electronic Engineering	372	82,803
119,099	3.3799	Electrical & Electronic Engineering	365	82,803
119,224	3.3795	Electrical & Electronic Engineering	302	82,803
119,939	3.3770	Electrical & Electronic Engineering	375	82,803
120,588	3.3750	Electrical & Electronic Engineering	333	82,803
120,711	3.3746	Electrical & Electronic Engineering	360	82,803
120,793	3.3743	Electrical & Electronic Engineering	345	82,803
120,800	3.3743	Electrical & Electronic Engineering	358	82,803
121,576	3.3717	Electrical & Electronic Engineering	334	82,803
121,993	3.3704	Electrical & Electronic Engineering	322	82,803
122,025	3.3703	Electrical & Electronic Engineering	301	82,803
122,260	3.3695	Electrical & Electronic Engineering	348	82,803
122,919	3.3674	Electrical & Electronic Engineering	364	82,803
123,218	3.3664	Electrical & Electronic Engineering	357	82,803
123,542	3.3654	Electrical & Electronic Engineering	373	82,803
123,590	3.3652	Electrical & Electronic Engineering	310	82,803
123,597	3.3652	Electrical & Electronic Engineering	319	82,803
123,987	3.3639	Electrical & Electronic Engineering	332	82,803
124,072	3.3637	Electrical & Electronic Engineering	362	82,803
125,029	3.3604	Electrical & Electronic Engineering	277	82,803
125,163	3.3600	Electrical & Electronic Engineering	341	82,803
125,319	3.3594	Electrical & Electronic Engineering	256	82,803
125,320	3.3594	Electrical & Electronic Engineering	328	82,803
125,952	3.3573	Electrical & Electronic Engineering	343	82,803
126,099	3.3567	Electrical & Electronic Engineering	378	82,803
126,166	3.3565	Electrical & Electronic Engineering	415	82,803
126,383	3.3557	Electrical & Electronic Engineering	349	82,803
126,813	3.3543	Electrical & Electronic Engineering	295	82,803
127,686	3.3518	Electrical & Electronic Engineering	296	82,803
128,561	3.3491	Electrical & Electronic Engineering	350	82,803
128,846	3.3482	Electrical & Electronic Engineering	359	82,803
128,862	3.3481	Electrical & Electronic Engineering	380	82,803
128,998	3.3477	Electrical & Electronic Engineering	292	82,803
129,012	3.3476	Electrical & Electronic Engineering	298	82,803
129,097	3.3474	Electrical & Electronic Engineering	427	82,803

129,288	3.3468	Electrical & Electronic Engineering	395	82,803
129,419	3.3464	Electrical & Electronic Engineering	356	82,803
129,580	3.3459	Electrical & Electronic Engineering	321	82,803
130,242	3.3440	Electrical & Electronic Engineering	413	82,803
130,334	3.3437	Electrical & Electronic Engineering	389	82,803
131,310	3.3407	Electrical & Electronic Engineering	393	82,803
131,508	3.3401	Electrical & Electronic Engineering	411	82,803
131,553	3.3400	Electrical & Electronic Engineering	288	82,803
131,912	3.3390	Electrical & Electronic Engineering	317	82,803
132,350	3.3375	Electrical & Electronic Engineering	255	82,803
132,370	3.3375	Electrical & Electronic Engineering	361	82,803
132,426	3.3373	Electrical & Electronic Engineering	402	82,803
132,981	3.3356	Electrical & Electronic Engineering	289	82,803
132,993	3.3356	Electrical & Electronic Engineering	387	82,803
133,232	3.3349	Electrical & Electronic Engineering	385	82,803
133,403	3.3344	Electrical & Electronic Engineering	306	82,803
134,003	3.3326	Electrical & Electronic Engineering	424	82,803
134,202	3.3320	Electrical & Electronic Engineering	352	82,803
134,420	3.3314	Electrical & Electronic Engineering	418	82,803
134,619	3.3307	Electrical & Electronic Engineering	354	82,803
134,678	3.3306	Electrical & Electronic Engineering	412	82,803
135,154	3.3291	Electrical & Electronic Engineering	377	82,803
136,484	3.3251	Electrical & Electronic Engineering	448	82,803
136,506	3.3251	Electrical & Electronic Engineering	421	82,803
136,611	3.3247	Electrical & Electronic Engineering	344	82,803
136,699	3.3245	Electrical & Electronic Engineering	420	82,803
136,756	3.3243	Electrical & Electronic Engineering	394	82,803
137,269	3.3228	Electrical & Electronic Engineering	353	82,803
137,634	3.3218	Electrical & Electronic Engineering	407	82,803
138,192	3.3200	Electrical & Electronic Engineering	384	82,803
138,590	3.3189	Electrical & Electronic Engineering	392	82,803
138,597	3.3189	Electrical & Electronic Engineering	381	82,803
138,643	3.3188	Electrical & Electronic Engineering	325	82,803
139,003	3.3178	Electrical & Electronic Engineering	370	82,803
139,315	3.3169	Electrical & Electronic Engineering	440	82,803
139,546	3.3162	Electrical & Electronic Engineering	429	82,803
139,964	3.3151	Electrical & Electronic Engineering	442	82,803
140,339	3.3141	Electrical & Electronic Engineering	369	82,803
140,697	3.3131	Electrical & Electronic Engineering	303	82,803
140,749	3.3129	Electrical & Electronic Engineering	437	82,803
141,249	3.3113	Electrical & Electronic Engineering	428	82,803
141,462	3.3107	Electrical & Electronic Engineering	396	82,803
141,829	3.3097	Electrical & Electronic Engineering	300	82,803
141,914	3.3095	Electrical & Electronic Engineering	469	82,803
142,068	3.3091	Electrical & Electronic Engineering	382	82,803
142,220	3.3087	Electrical & Electronic Engineering	342	82,803
142,430	3.3081	Electrical & Electronic Engineering	355	82,803

142,467	3.3080	Electrical & Electronic Engineering	464	82,803
142,593	3.3076	Electrical & Electronic Engineering	366	82,803
143,028	3.3064	Electrical & Electronic Engineering	337	82,803
143,100	3.3062	Electrical & Electronic Engineering	386	82,803
143,296	3.3056	Electrical & Electronic Engineering	400	82,803
144,802	3.3014	Electrical & Electronic Engineering	404	82,803
144,804	3.3013	Electrical & Electronic Engineering	297	82,803
145,715	3.2987	Electrical & Electronic Engineering	439	82,803
146,264	3.2972	Electrical & Electronic Engineering	433	82,803
146,813	3.2956	Electrical & Electronic Engineering	363	82,803
147,777	3.2930	Electrical & Electronic Engineering	468	82,803
147,844	3.2928	Electrical & Electronic Engineering	351	82,803
147,904	3.2926	Electrical & Electronic Engineering	318	82,803
148,147	3.2920	Electrical & Electronic Engineering	399	82,803
149,422	3.2887	Electrical & Electronic Engineering	403	82,803
149,523	3.2884	Electrical & Electronic Engineering	338	82,803
151,107	3.2837	Electrical & Electronic Engineering	455	82,803
151,181	3.2835	Electrical & Electronic Engineering	505	82,803
151,380	3.2830	Electrical & Electronic Engineering	507	82,803
151,489	3.2826	Electrical & Electronic Engineering	477	82,803
152,146	3.2809	Electrical & Electronic Engineering	430	82,803
152,397	3.2802	Electrical & Electronic Engineering	374	82,803
152,524	3.2799	Electrical & Electronic Engineering	515	82,803
152,890	3.2788	Electrical & Electronic Engineering	447	82,803
152,975	3.2786	Electrical & Electronic Engineering	327	82,803
153,139	3.2781	Electrical & Electronic Engineering	187	82,803
153,498	3.2773	Electrical & Electronic Engineering	461	82,803
153,760	3.2766	Electrical & Electronic Engineering	371	82,803
153,859	3.2763	Electrical & Electronic Engineering	422	82,803
154,317	3.2751	Electrical & Electronic Engineering	346	82,803
154,515	3.2745	Electrical & Electronic Engineering	450	82,803
155,399	3.2720	Electrical & Electronic Engineering	451	82,803
155,686	3.2712	Electrical & Electronic Engineering	398	82,803
156,262	3.2697	Electrical & Electronic Engineering	475	82,803
156,782	3.2682	Electrical & Electronic Engineering	376	82,803
157,192	3.2670	Electrical & Electronic Engineering	330	82,803
157,465	3.2662	Electrical & Electronic Engineering	307	82,803
157,512	3.2661	Electrical & Electronic Engineering	540	82,803
158,163	3.2644	Electrical & Electronic Engineering	347	82,803
158,641	3.2631	Electrical & Electronic Engineering	474	82,803
158,938	3.2623	Electrical & Electronic Engineering	490	82,803
159,196	3.2616	Electrical & Electronic Engineering	304	82,803
159,263	3.2614	Electrical & Electronic Engineering	539	82,803
159,590	3.2606	Electrical & Electronic Engineering	495	82,803
159,610	3.2606	Electrical & Electronic Engineering	456	82,803
160,450	3.2584	Electrical & Electronic Engineering	419	82,803
160,779	3.2575	Electrical & Electronic Engineering	446	82,803

160,941	3.2572	Electrical & Electronic Engineering	416	82,803
161,100	3.2568	Electrical & Electronic Engineering	417	82,803
161,241	3.2564	Electrical & Electronic Engineering	432	82,803
161,259	3.2563	Electrical & Electronic Engineering	527	82,803
161,289	3.2563	Electrical & Electronic Engineering	460	82,803
161,519	3.2556	Electrical & Electronic Engineering	276	82,803
161,872	3.2547	Electrical & Electronic Engineering	311	82,803
161,900	3.2546	Electrical & Electronic Engineering	316	82,803
161,986	3.2544	Electrical & Electronic Engineering	485	82,803
162,103	3.2541	Electrical & Electronic Engineering	463	82,803
162,453	3.2532	Electrical & Electronic Engineering	518	82,803
162,840	3.2522	Electrical & Electronic Engineering	454	82,803
163,079	3.2516	Electrical & Electronic Engineering	397	82,803
163,124	3.2515	Electrical & Electronic Engineering	467	82,803
163,225	3.2512	Electrical & Electronic Engineering	541	82,803
163,287	3.2510	Electrical & Electronic Engineering	445	82,803
163,515	3.2504	Electrical & Electronic Engineering	383	82,803
163,755	3.2498	Electrical & Electronic Engineering	512	82,803
163,813	3.2497	Electrical & Electronic Engineering	497	82,803
164,757	3.2474	Electrical & Electronic Engineering	547	82,803
165,257	3.2460	Electrical & Electronic Engineering	496	82,803
165,287	3.2459	Electrical & Electronic Engineering	449	82,803
165,321	3.2458	Electrical & Electronic Engineering	521	82,803
165,521	3.2454	Electrical & Electronic Engineering	504	82,803
165,560	3.2453	Electrical & Electronic Engineering	391	82,803
165,935	3.2443	Electrical & Electronic Engineering	452	82,803
166,380	3.2431	Electrical & Electronic Engineering	544	82,803
166,400	3.2431	Electrical & Electronic Engineering	459	82,803
166,455	3.2429	Electrical & Electronic Engineering	493	82,803
166,755	3.2421	Electrical & Electronic Engineering	405	82,803
167,303	3.2409	Electrical & Electronic Engineering	471	82,803
167,344	3.2408	Electrical & Electronic Engineering	379	82,803
167,708	3.2399	Electrical & Electronic Engineering	508	82,803
167,748	3.2398	Electrical & Electronic Engineering	486	82,803
167,861	3.2394	Electrical & Electronic Engineering	470	82,803
168,044	3.2389	Electrical & Electronic Engineering	552	82,803
168,399	3.2380	Electrical & Electronic Engineering	530	82,803
168,566	3.2376	Electrical & Electronic Engineering	565	82,803
168,726	3.2372	Electrical & Electronic Engineering	537	82,803
169,293	3.2358	Electrical & Electronic Engineering	524	82,803
169,448	3.2354	Electrical & Electronic Engineering	423	82,803
169,648	3.2349	Electrical & Electronic Engineering	367	82,803
170,042	3.2339	Electrical & Electronic Engineering	529	82,803
170,060	3.2339	Electrical & Electronic Engineering	561	82,803
170,409	3.2331	Electrical & Electronic Engineering	466	82,803
171,158	3.2312	Electrical & Electronic Engineering	409	82,803
172,583	3.2276	Electrical & Electronic Engineering	595	82,803

173,770	3.2247	Electrical & Electronic Engineering	500	82,803
173,823	3.2246	Electrical & Electronic Engineering	511	82,803
174,302	3.2235	Electrical & Electronic Engineering	558	82,803
174,401	3.2232	Electrical & Electronic Engineering	577	82,803
174,658	3.2226	Electrical & Electronic Engineering	388	82,803
174,784	3.2223	Electrical & Electronic Engineering	453	82,803
174,827	3.2222	Electrical & Electronic Engineering	436	82,803
175,421	3.2207	Electrical & Electronic Engineering	489	82,803
175,861	3.2196	Electrical & Electronic Engineering	498	82,803
175,905	3.2195	Electrical & Electronic Engineering	528	82,803
175,907	3.2195	Electrical & Electronic Engineering	491	82,803
176,174	3.2189	Electrical & Electronic Engineering	472	82,803
176,521	3.2180	Electrical & Electronic Engineering	516	82,803
176,562	3.2178	Electrical & Electronic Engineering	410	82,803
176,771	3.2173	Electrical & Electronic Engineering	585	82,803
176,883	3.2170	Electrical & Electronic Engineering	494	82,803
176,891	3.2170	Electrical & Electronic Engineering	425	82,803
176,936	3.2169	Electrical & Electronic Engineering	573	82,803
177,293	3.2160	Electrical & Electronic Engineering	597	82,803
177,314	3.2160	Electrical & Electronic Engineering	414	82,803
177,558	3.2154	Electrical & Electronic Engineering	593	82,803
177,601	3.2153	Electrical & Electronic Engineering	487	82,803
177,644	3.2152	Electrical & Electronic Engineering	526	82,803
177,647	3.2152	Electrical & Electronic Engineering	514	82,803
177,912	3.2146	Electrical & Electronic Engineering	444	82,803
178,307	3.2136	Electrical & Electronic Engineering	556	82,803
178,541	3.2131	Electrical & Electronic Engineering	550	82,803
179,441	3.2109	Electrical & Electronic Engineering	555	82,803
179,624	3.2105	Electrical & Electronic Engineering	584	82,803
179,786	3.2101	Electrical & Electronic Engineering	533	82,803
179,861	3.2099	Electrical & Electronic Engineering	575	82,803
180,673	3.2079	Electrical & Electronic Engineering	523	82,803
180,766	3.2077	Electrical & Electronic Engineering	458	82,803
180,967	3.2072	Electrical & Electronic Engineering	519	82,803
181,133	3.2068	Electrical & Electronic Engineering	488	82,803
181,157	3.2067	Electrical & Electronic Engineering	481	82,803
181,623	3.2055	Electrical & Electronic Engineering	531	82,803
181,948	3.2048	Electrical & Electronic Engineering	473	82,803
182,030	3.2046	Electrical & Electronic Engineering	566	82,803
182,354	3.2038	Electrical & Electronic Engineering	492	82,803
182,464	3.2036	Electrical & Electronic Engineering	607	82,803
183,106	3.2020	Electrical & Electronic Engineering	331	82,803
183,314	3.2015	Electrical & Electronic Engineering	513	82,803
183,458	3.2011	Electrical & Electronic Engineering	557	82,803
183,863	3.2001	Electrical & Electronic Engineering	628	82,803
183,876	3.2001	Electrical & Electronic Engineering	627	82,803
183,941	3.1999	Electrical & Electronic Engineering	426	82,803

183,955	3.1999	Electrical & Electronic Engineering	479	82,803
184,977	3.1976	Electrical & Electronic Engineering	604	82,803
185,824	3.1956	Electrical & Electronic Engineering	572	82,803
186,364	3.1944	Electrical & Electronic Engineering	525	82,803
186,905	3.1931	Electrical & Electronic Engineering	611	82,803
186,988	3.1929	Electrical & Electronic Engineering	633	82,803
187,013	3.1928	Electrical & Electronic Engineering	553	82,803
187,666	3.1913	Electrical & Electronic Engineering	601	82,803
188,165	3.1903	Electrical & Electronic Engineering	434	82,803
188,363	3.1898	Electrical & Electronic Engineering	522	82,803
188,767	3.1889	Electrical & Electronic Engineering	476	82,803
189,367	3.1875	Electrical & Electronic Engineering	594	82,803
189,534	3.1871	Electrical & Electronic Engineering	482	82,803
190,297	3.1852	Electrical & Electronic Engineering	532	82,803
190,671	3.1843	Electrical & Electronic Engineering	617	82,803
190,911	3.1838	Electrical & Electronic Engineering	591	82,803
190,939	3.1837	Electrical & Electronic Engineering	634	82,803
191,045	3.1834	Electrical & Electronic Engineering	543	82,803
191,598	3.1823	Electrical & Electronic Engineering	587	82,803
192,100	3.1811	Electrical & Electronic Engineering	517	82,803
192,334	3.1806	Electrical & Electronic Engineering	667	82,803
193,976	3.1770	Electrical & Electronic Engineering	643	82,803
194,124	3.1766	Electrical & Electronic Engineering	390	82,803
195,768	3.1730	Electrical & Electronic Engineering	571	82,803
195,818	3.1729	Electrical & Electronic Engineering	639	82,803
195,945	3.1726	Electrical & Electronic Engineering	408	82,803
195,986	3.1726	Electrical & Electronic Engineering	443	82,803
196,118	3.1722	Electrical & Electronic Engineering	622	82,803
196,290	3.1719	Electrical & Electronic Engineering	570	82,803
197,050	3.1702	Electrical & Electronic Engineering	653	82,803
197,433	3.1693	Electrical & Electronic Engineering	583	82,803
197,936	3.1682	Electrical & Electronic Engineering	560	82,803
198,522	3.1669	Electrical & Electronic Engineering	596	82,803
199,071	3.1658	Electrical & Electronic Engineering	681	82,803
199,152	3.1656	Electrical & Electronic Engineering	506	82,803
199,173	3.1656	Electrical & Electronic Engineering	536	82,803
200,090	3.1635	Electrical & Electronic Engineering	613	82,803
200,178	3.1633	Electrical & Electronic Engineering	520	82,803
201,103	3.1614	Electrical & Electronic Engineering	590	82,803
201,181	3.1612	Electrical & Electronic Engineering	598	82,803
201,250	3.1611	Electrical & Electronic Engineering	545	82,803
201,790	3.1600	Electrical & Electronic Engineering	401	82,803
201,899	3.1597	Electrical & Electronic Engineering	406	82,803
202,098	3.1593	Electrical & Electronic Engineering	478	82,803
202,324	3.1587	Electrical & Electronic Engineering	548	82,803
202,540	3.1582	Electrical & Electronic Engineering	657	82,803
202,636	3.1580	Electrical & Electronic Engineering	679	82,803

203,189	3.1567	Electrical & Electronic Engineering	624	82,803
203,256	3.1566	Electrical & Electronic Engineering	690	82,803
203,532	3.1560	Electrical & Electronic Engineering	554	82,803
203,588	3.1559	Electrical & Electronic Engineering	606	82,803
203,860	3.1554	Electrical & Electronic Engineering	608	82,803
204,262	3.1545	Electrical & Electronic Engineering	689	82,803
204,341	3.1544	Electrical & Electronic Engineering	605	82,803
205,666	3.1515	Electrical & Electronic Engineering	509	82,803
205,743	3.1514	Electrical & Electronic Engineering	650	82,803
205,888	3.1511	Electrical & Electronic Engineering	609	82,803
205,986	3.1508	Electrical & Electronic Engineering	682	82,803
206,355	3.1500	Electrical & Electronic Engineering	457	82,803
206,558	3.1496	Electrical & Electronic Engineering	684	82,803
206,615	3.1495	Electrical & Electronic Engineering	625	82,803
206,857	3.1489	Electrical & Electronic Engineering	562	82,803
207,309	3.1480	Electrical & Electronic Engineering	621	82,803
207,369	3.1478	Electrical & Electronic Engineering	665	82,803
207,440	3.1477	Electrical & Electronic Engineering	510	82,803
207,552	3.1474	Electrical & Electronic Engineering	641	82,803
207,612	3.1473	Electrical & Electronic Engineering	647	82,803
207,652	3.1472	Electrical & Electronic Engineering	702	82,803
207,927	3.1466	Electrical & Electronic Engineering	638	82,803
208,434	3.1456	Electrical & Electronic Engineering	635	82,803
209,010	3.1444	Electrical & Electronic Engineering	568	82,803
209,611	3.1431	Electrical & Electronic Engineering	637	82,803
209,906	3.1424	Electrical & Electronic Engineering	484	82,803
210,123	3.1419	Electrical & Electronic Engineering	655	82,803
210,173	3.1418	Electrical & Electronic Engineering	636	82,803
210,191	3.1418	Electrical & Electronic Engineering	535	82,803
210,238	3.1417	Electrical & Electronic Engineering	671	82,803
210,305	3.1416	Electrical & Electronic Engineering	603	82,803
210,507	3.1411	Electrical & Electronic Engineering	695	82,803
210,810	3.1405	Electrical & Electronic Engineering	612	82,803
211,239	3.1396	Electrical & Electronic Engineering	648	82,803
211,281	3.1395	Electrical & Electronic Engineering	564	82,803
211,660	3.1388	Electrical & Electronic Engineering	654	82,803
212,161	3.1377	Electrical & Electronic Engineering	660	82,803
213,216	3.1354	Electrical & Electronic Engineering	696	82,803
214,445	3.1328	Electrical & Electronic Engineering	743	82,803
214,482	3.1327	Electrical & Electronic Engineering	685	82,803
214,670	3.1324	Electrical & Electronic Engineering	546	82,803
214,696	3.1323	Electrical & Electronic Engineering	618	82,803
215,430	3.1308	Electrical & Electronic Engineering	619	82,803
215,800	3.1300	Electrical & Electronic Engineering	502	82,803
216,040	3.1295	Electrical & Electronic Engineering	629	82,803
216,046	3.1295	Electrical & Electronic Engineering	480	82,803
216,151	3.1292	Electrical & Electronic Engineering	578	82,803

216,220	3.1291	Electrical & Electronic Engineering	542	82,803
216,896	3.1276	Electrical & Electronic Engineering	645	82,803
217,096	3.1272	Electrical & Electronic Engineering	646	82,803
217,376	3.1267	Electrical & Electronic Engineering	732	82,803
217,798	3.1259	Electrical & Electronic Engineering	688	82,803
217,979	3.1255	Electrical & Electronic Engineering	719	82,803
219,578	3.1222	Electrical & Electronic Engineering	753	82,803
219,630	3.1221	Electrical & Electronic Engineering	694	82,803
219,868	3.1216	Electrical & Electronic Engineering	614	82,803
221,221	3.1190	Electrical & Electronic Engineering	630	82,803
221,878	3.1177	Electrical & Electronic Engineering	723	82,803
222,216	3.1170	Electrical & Electronic Engineering	680	82,803
222,304	3.1169	Electrical & Electronic Engineering	435	82,803
222,810	3.1158	Electrical & Electronic Engineering	579	82,803
222,829	3.1157	Electrical & Electronic Engineering	503	82,803
223,260	3.1148	Electrical & Electronic Engineering	626	82,803
223,305	3.1147	Electrical & Electronic Engineering	783	82,803
223,397	3.1146	Electrical & Electronic Engineering	663	82,803
223,421	3.1145	Electrical & Electronic Engineering	725	82,803
223,522	3.1143	Electrical & Electronic Engineering	798	82,803
223,696	3.1140	Electrical & Electronic Engineering	742	82,803
223,847	3.1137	Electrical & Electronic Engineering	441	82,803
224,070	3.1133	Electrical & Electronic Engineering	678	82,803
224,440	3.1125	Electrical & Electronic Engineering	705	82,803
225,530	3.1102	Electrical & Electronic Engineering	757	82,803
225,710	3.1099	Electrical & Electronic Engineering	670	82,803
225,750	3.1098	Electrical & Electronic Engineering	687	82,803
225,791	3.1097	Electrical & Electronic Engineering	738	82,803
225,920	3.1094	Electrical & Electronic Engineering	730	82,803
226,091	3.1091	Electrical & Electronic Engineering	708	82,803
226,286	3.1088	Electrical & Electronic Engineering	744	82,803
226,354	3.1086	Electrical & Electronic Engineering	632	82,803
226,561	3.1082	Electrical & Electronic Engineering	651	82,803
226,888	3.1076	Electrical & Electronic Engineering	749	82,803
226,893	3.1076	Electrical & Electronic Engineering	669	82,803
227,427	3.1066	Electrical & Electronic Engineering	676	82,803
227,946	3.1055	Electrical & Electronic Engineering	674	82,803
227,969	3.1055	Electrical & Electronic Engineering	697	82,803
228,028	3.1054	Electrical & Electronic Engineering	683	82,803
228,124	3.1052	Electrical & Electronic Engineering	700	82,803
228,415	3.1046	Electrical & Electronic Engineering	692	82,803
228,449	3.1046	Electrical & Electronic Engineering	588	82,803
228,674	3.1041	Electrical & Electronic Engineering	686	82,803
228,712	3.1041	Electrical & Electronic Engineering	662	82,803
228,767	3.1039	Electrical & Electronic Engineering	755	82,803
228,802	3.1039	Electrical & Electronic Engineering	759	82,803
228,953	3.1035	Electrical & Electronic Engineering	721	82,803

229,145	3.1031	Electrical & Electronic Engineering	736	82,803
229,270	3.1029	Electrical & Electronic Engineering	483	82,803
229,610	3.1022	Electrical & Electronic Engineering	733	82,803
229,745	3.1020	Electrical & Electronic Engineering	727	82,803
230,027	3.1014	Electrical & Electronic Engineering	710	82,803
230,557	3.1003	Electrical & Electronic Engineering	779	82,803
230,669	3.1001	Electrical & Electronic Engineering	778	82,803
230,683	3.1001	Electrical & Electronic Engineering	462	82,803
231,379	3.0987	Electrical & Electronic Engineering	499	82,803
231,599	3.0982	Electrical & Electronic Engineering	644	82,803
231,842	3.0978	Electrical & Electronic Engineering	750	82,803
231,891	3.0977	Electrical & Electronic Engineering	771	82,803
232,138	3.0972	Electrical & Electronic Engineering	741	82,803
232,383	3.0967	Electrical & Electronic Engineering	810	82,803
232,859	3.0958	Electrical & Electronic Engineering	770	82,803
232,863	3.0958	Electrical & Electronic Engineering	704	82,803
233,801	3.0940	Electrical & Electronic Engineering	740	82,803
233,960	3.0936	Electrical & Electronic Engineering	767	82,803
234,619	3.0922	Electrical & Electronic Engineering	703	82,803
234,695	3.0921	Electrical & Electronic Engineering	600	82,803
234,878	3.0917	Electrical & Electronic Engineering	716	82,803
235,446	3.0907	Electrical & Electronic Engineering	726	82,803
235,738	3.0901	Electrical & Electronic Engineering	675	82,803
236,173	3.0893	Electrical & Electronic Engineering	739	82,803
236,423	3.0889	Electrical & Electronic Engineering	839	82,803
236,600	3.0886	Electrical & Electronic Engineering	801	82,803
236,761	3.0882	Electrical & Electronic Engineering	668	82,803
237,217	3.0873	Electrical & Electronic Engineering	602	82,803
237,644	3.0865	Electrical & Electronic Engineering	816	82,803
237,839	3.0862	Electrical & Electronic Engineering	768	82,803
237,878	3.0861	Electrical & Electronic Engineering	722	82,803
237,908	3.0860	Electrical & Electronic Engineering	784	82,803
238,283	3.0853	Electrical & Electronic Engineering	804	82,803
238,316	3.0853	Electrical & Electronic Engineering	567	82,803
238,324	3.0853	Electrical & Electronic Engineering	551	82,803
238,780	3.0844	Electrical & Electronic Engineering	599	82,803
239,459	3.0831	Electrical & Electronic Engineering	699	82,803
239,945	3.0822	Electrical & Electronic Engineering	574	82,803
240,105	3.0818	Electrical & Electronic Engineering	652	82,803
240,254	3.0815	Electrical & Electronic Engineering	592	82,803
240,329	3.0814	Electrical & Electronic Engineering	713	82,803
240,525	3.0810	Electrical & Electronic Engineering	616	82,803
241,203	3.0797	Electrical & Electronic Engineering	534	82,803
241,350	3.0795	Electrical & Electronic Engineering	754	82,803
241,573	3.0790	Electrical & Electronic Engineering	748	82,803
241,839	3.0785	Electrical & Electronic Engineering	787	82,803
242,417	3.0775	Electrical & Electronic Engineering	576	82,803

242,469	3.0774	Electrical & Electronic Engineering	782	82,803
242,635	3.0770	Electrical & Electronic Engineering	714	82,803
242,694	3.0769	Electrical & Electronic Engineering	729	82,803
242,782	3.0768	Electrical & Electronic Engineering	589	82,803
243,490	3.0754	Electrical & Electronic Engineering	717	82,803
243,637	3.0751	Electrical & Electronic Engineering	847	82,803
243,875	3.0747	Electrical & Electronic Engineering	656	82,803
244,196	3.0741	Electrical & Electronic Engineering	752	82,803
244,308	3.0738	Electrical & Electronic Engineering	438	82,803
244,417	3.0736	Electrical & Electronic Engineering	864	82,803
244,491	3.0735	Electrical & Electronic Engineering	642	82,803
244,958	3.0727	Electrical & Electronic Engineering	764	82,803
244,964	3.0727	Electrical & Electronic Engineering	873	82,803
245,329	3.0720	Electrical & Electronic Engineering	781	82,803
245,504	3.0716	Electrical & Electronic Engineering	735	82,803
245,645	3.0713	Electrical & Electronic Engineering	790	82,803
246,117	3.0704	Electrical & Electronic Engineering	737	82,803
246,188	3.0703	Electrical & Electronic Engineering	791	82,803
246,313	3.0701	Electrical & Electronic Engineering	649	82,803
246,428	3.0699	Electrical & Electronic Engineering	823	82,803
246,937	3.0689	Electrical & Electronic Engineering	756	82,803
247,403	3.0681	Electrical & Electronic Engineering	569	82,803
247,436	3.0680	Electrical & Electronic Engineering	833	82,803
247,637	3.0677	Electrical & Electronic Engineering	826	82,803
247,640	3.0677	Electrical & Electronic Engineering	720	82,803
247,720	3.0675	Electrical & Electronic Engineering	734	82,803
247,867	3.0673	Electrical & Electronic Engineering	785	82,803
248,194	3.0667	Electrical & Electronic Engineering	817	82,803
248,303	3.0665	Electrical & Electronic Engineering	812	82,803
248,946	3.0653	Electrical & Electronic Engineering	610	82,803
249,137	3.0649	Electrical & Electronic Engineering	844	82,803
250,011	3.0634	Electrical & Electronic Engineering	706	82,803
250,147	3.0631	Electrical & Electronic Engineering	799	82,803
250,468	3.0625	Electrical & Electronic Engineering	586	82,803
250,644	3.0621	Electrical & Electronic Engineering	843	82,803
250,722	3.0620	Electrical & Electronic Engineering	885	82,803
251,496	3.0606	Electrical & Electronic Engineering	828	82,803
252,490	3.0588	Electrical & Electronic Engineering	615	82,803
253,018	3.0578	Electrical & Electronic Engineering	728	82,803
253,155	3.0576	Electrical & Electronic Engineering	859	82,803
253,601	3.0568	Electrical & Electronic Engineering	580	82,803
253,834	3.0563	Electrical & Electronic Engineering	691	82,803
253,945	3.0561	Electrical & Electronic Engineering	640	82,803
254,090	3.0559	Electrical & Electronic Engineering	712	82,803
254,150	3.0558	Electrical & Electronic Engineering	835	82,803
254,740	3.0547	Electrical & Electronic Engineering	808	82,803
254,800	3.0546	Electrical & Electronic Engineering	368	82,803

255,103	3.0541	Electrical & Electronic Engineering	824	82,803
255,475	3.0533	Electrical & Electronic Engineering	911	82,803
255,534	3.0532	Electrical & Electronic Engineering	661	82,803
256,057	3.0523	Electrical & Electronic Engineering	581	82,803
256,092	3.0522	Electrical & Electronic Engineering	890	82,803
256,124	3.0521	Electrical & Electronic Engineering	664	82,803
256,443	3.0515	Electrical & Electronic Engineering	800	82,803
256,802	3.0508	Electrical & Electronic Engineering	623	82,803
257,311	3.0499	Electrical & Electronic Engineering	851	82,803
257,461	3.0496	Electrical & Electronic Engineering	769	82,803
257,489	3.0496	Electrical & Electronic Engineering	867	82,803
257,699	3.0492	Electrical & Electronic Engineering	860	82,803
257,984	3.0487	Electrical & Electronic Engineering	745	82,803
259,581	3.0459	Electrical & Electronic Engineering	855	82,803
259,643	3.0457	Electrical & Electronic Engineering	832	82,803
259,801	3.0455	Electrical & Electronic Engineering	893	82,803
259,862	3.0454	Electrical & Electronic Engineering	693	82,803
259,993	3.0452	Electrical & Electronic Engineering	834	82,803
260,768	3.0438	Electrical & Electronic Engineering	948	82,803
260,774	3.0438	Electrical & Electronic Engineering	659	82,803
261,042	3.0434	Electrical & Electronic Engineering	251	82,803
261,882	3.0419	Electrical & Electronic Engineering	431	82,803
262,383	3.0410	Electrical & Electronic Engineering	842	82,803
262,696	3.0405	Electrical & Electronic Engineering	947	82,803
262,982	3.0400	Electrical & Electronic Engineering	915	82,803
263,271	3.0395	Electrical & Electronic Engineering	762	82,803
263,531	3.0391	Electrical & Electronic Engineering	856	82,803
263,979	3.0383	Electrical & Electronic Engineering	831	82,803
264,714	3.0371	Electrical & Electronic Engineering	888	82,803
264,718	3.0371	Electrical & Electronic Engineering	819	82,803
265,502	3.0357	Electrical & Electronic Engineering	951	82,803
266,039	3.0347	Electrical & Electronic Engineering	845	82,803
266,166	3.0345	Electrical & Electronic Engineering	862	82,803
266,770	3.0334	Electrical & Electronic Engineering	802	82,803
267,211	3.0327	Electrical & Electronic Engineering	786	82,803
267,759	3.0317	Electrical & Electronic Engineering	894	82,803
267,832	3.0316	Electrical & Electronic Engineering	776	82,803
267,954	3.0314	Electrical & Electronic Engineering	934	82,803
268,622	3.0303	Electrical & Electronic Engineering	853	82,803
269,563	3.0286	Electrical & Electronic Engineering	774	82,803
269,947	3.0279	Electrical & Electronic Engineering	952	82,803
270,512	3.0270	Electrical & Electronic Engineering	796	82,803
270,679	3.0266	Electrical & Electronic Engineering	794	82,803
271,475	3.0252	Electrical & Electronic Engineering	903	82,803
271,844	3.0246	Electrical & Electronic Engineering	879	82,803
271,983	3.0244	Electrical & Electronic Engineering	878	82,803
272,729	3.0231	Electrical & Electronic Engineering	806	82,803

273,082	3.0225	Electrical & Electronic Engineering	765	82,803
274,153	3.0206	Electrical & Electronic Engineering	882	82,803
274,595	3.0198	Electrical & Electronic Engineering	809	82,803
274,630	3.0197	Electrical & Electronic Engineering	956	82,803
274,828	3.0194	Electrical & Electronic Engineering	777	82,803
275,589	3.0181	Electrical & Electronic Engineering	922	82,803
275,671	3.0180	Electrical & Electronic Engineering	538	82,803
275,915	3.0176	Electrical & Electronic Engineering	905	82,803
276,029	3.0174	Electrical & Electronic Engineering	563	82,803
276,180	3.0172	Electrical & Electronic Engineering	701	82,803
276,240	3.0171	Electrical & Electronic Engineering	963	82,803
276,320	3.0169	Electrical & Electronic Engineering	889	82,803
276,375	3.0168	Electrical & Electronic Engineering	982	82,803
277,357	3.0151	Electrical & Electronic Engineering	813	82,803
277,518	3.0149	Electrical & Electronic Engineering	928	82,803
278,088	3.0139	Electrical & Electronic Engineering	731	82,803
279,031	3.0124	Electrical & Electronic Engineering	797	82,803
279,613	3.0114	Electrical & Electronic Engineering	912	82,803
279,822	3.0111	Electrical & Electronic Engineering	815	82,803
280,192	3.0105	Electrical & Electronic Engineering	822	82,803
280,593	3.0098	Electrical & Electronic Engineering	837	82,803
280,725	3.0096	Electrical & Electronic Engineering	718	82,803
281,088	3.0090	Electrical & Electronic Engineering	751	82,803
281,218	3.0087	Electrical & Electronic Engineering	792	82,803
281,429	3.0084	Electrical & Electronic Engineering	900	82,803
282,096	3.0073	Electrical & Electronic Engineering	959	82,803
282,148	3.0073	Electrical & Electronic Engineering	877	82,803
282,284	3.0070	Electrical & Electronic Engineering	987	82,803
282,303	3.0070	Electrical & Electronic Engineering	990	82,803
282,341	3.0069	Electrical & Electronic Engineering	836	82,803
282,617	3.0064	Electrical & Electronic Engineering	846	82,803
282,627	3.0064	Electrical & Electronic Engineering	897	82,803
282,827	3.0061	Electrical & Electronic Engineering	981	82,803
283,535	3.0048	Electrical & Electronic Engineering	902	82,803
283,869	3.0043	Electrical & Electronic Engineering	919	82,803
283,985	3.0041	Electrical & Electronic Engineering	933	82,803
284,055	3.0040	Electrical & Electronic Engineering	908	82,803
284,125	3.0039	Electrical & Electronic Engineering	957	82,803
284,494	3.0033	Electrical & Electronic Engineering	858	82,803
284,520	3.0032	Electrical & Electronic Engineering	724	82,803
284,564	3.0032	Electrical & Electronic Engineering	938	82,803
284,700	3.0030	Electrical & Electronic Engineering	961	82,803
284,745	3.0029	Electrical & Electronic Engineering	746	82,803
284,787	3.0029	Electrical & Electronic Engineering	942	82,803
284,930	3.0026	Electrical & Electronic Engineering	892	82,803
285,363	3.0019	Electrical & Electronic Engineering	930	82,803
285,728	3.0013	Electrical & Electronic Engineering	940	82,803

285,741	3.0012	Electrical & Electronic Engineering	973	82,803
285,759	3.0012	Electrical & Electronic Engineering	884	82,803
285,880	3.0010	Electrical & Electronic Engineering	1,018	82,803
286,729	2.9996	Electrical & Electronic Engineering	795	82,803
286,771	2.9995	Electrical & Electronic Engineering	876	82,803
286,836	2.9994	Electrical & Electronic Engineering	910	82,803
287,370	2.9985	Electrical & Electronic Engineering	1,053	82,803
287,453	2.9984	Electrical & Electronic Engineering	549	82,803
287,600	2.9981	Electrical & Electronic Engineering	677	82,803
287,884	2.9976	Electrical & Electronic Engineering	861	82,803
288,845	2.9960	Electrical & Electronic Engineering	909	82,803
288,930	2.9959	Electrical & Electronic Engineering	766	82,803
289,038	2.9957	Electrical & Electronic Engineering	996	82,803
289,127	2.9956	Electrical & Electronic Engineering	967	82,803
289,175	2.9955	Electrical & Electronic Engineering	917	82,803
289,242	2.9954	Electrical & Electronic Engineering	891	82,803
289,739	2.9946	Electrical & Electronic Engineering	950	82,803
289,831	2.9944	Electrical & Electronic Engineering	1,060	82,803
290,333	2.9936	Electrical & Electronic Engineering	1,010	82,803
290,531	2.9933	Electrical & Electronic Engineering	874	82,803
290,840	2.9928	Electrical & Electronic Engineering	1,011	82,803
291,374	2.9920	Electrical & Electronic Engineering	1,019	82,803
291,496	2.9918	Electrical & Electronic Engineering	958	82,803
291,869	2.9912	Electrical & Electronic Engineering	805	82,803
292,376	2.9905	Electrical & Electronic Engineering	913	82,803
292,523	2.9902	Electrical & Electronic Engineering	896	82,803
292,585	2.9901	Electrical & Electronic Engineering	943	82,803
292,673	2.9900	Electrical & Electronic Engineering	939	82,803
292,970	2.9895	Electrical & Electronic Engineering	838	82,803
293,154	2.9892	Electrical & Electronic Engineering	821	82,803
293,674	2.9883	Electrical & Electronic Engineering	1,007	82,803
294,149	2.9875	Electrical & Electronic Engineering	1,016	82,803
294,923	2.9864	Electrical & Electronic Engineering	814	82,803
295,280	2.9858	Electrical & Electronic Engineering	936	82,803
295,450	2.9855	Electrical & Electronic Engineering	988	82,803
295,941	2.9848	Electrical & Electronic Engineering	1,022	82,803
296,463	2.9839	Electrical & Electronic Engineering	1,038	82,803
296,631	2.9836	Electrical & Electronic Engineering	760	82,803
297,059	2.9829	Electrical & Electronic Engineering	866	82,803
297,335	2.9825	Electrical & Electronic Engineering	1,009	82,803
297,523	2.9822	Electrical & Electronic Engineering	989	82,803
297,629	2.9820	Electrical & Electronic Engineering	978	82,803
297,706	2.9818	Electrical & Electronic Engineering	854	82,803
298,185	2.9811	Electrical & Electronic Engineering	872	82,803
298,331	2.9808	Electrical & Electronic Engineering	1,079	82,803
298,795	2.9801	Electrical & Electronic Engineering	937	82,803
298,878	2.9800	Electrical & Electronic Engineering	559	82,803

299,260	2.9793	Electrical & Electronic Engineering	1,045	82,803
299,348	2.9792	Electrical & Electronic Engineering	925	82,803
299,553	2.9788	Electrical & Electronic Engineering	1,030	82,803
299,717	2.9786	Electrical & Electronic Engineering	747	82,803
299,742	2.9786	Electrical & Electronic Engineering	870	82,803
299,804	2.9785	Electrical & Electronic Engineering	960	82,803
300,028	2.9781	Electrical & Electronic Engineering	986	82,803
300,604	2.9772	Electrical & Electronic Engineering	1,036	82,803
301,050	2.9765	Electrical & Electronic Engineering	1,006	82,803
301,207	2.9762	Electrical & Electronic Engineering	758	82,803
302,017	2.9748	Electrical & Electronic Engineering	921	82,803
302,211	2.9745	Electrical & Electronic Engineering	1,044	82,803
302,600	2.9739	Electrical & Electronic Engineering	994	82,803
302,813	2.9736	Electrical & Electronic Engineering	827	82,803
302,942	2.9734	Electrical & Electronic Engineering	1,046	82,803
303,184	2.9730	Electrical & Electronic Engineering	840	82,803
303,649	2.9723	Electrical & Electronic Engineering	829	82,803
304,362	2.9712	Electrical & Electronic Engineering	1,026	82,803
304,617	2.9708	Electrical & Electronic Engineering	918	82,803
304,696	2.9707	Electrical & Electronic Engineering	1,110	82,803
304,909	2.9703	Electrical & Electronic Engineering	1,091	82,803
305,040	2.9701	Electrical & Electronic Engineering	1,145	82,803
305,140	2.9700	Electrical & Electronic Engineering	1,033	82,803
306,004	2.9687	Electrical & Electronic Engineering	761	82,803
306,351	2.9681	Electrical & Electronic Engineering	980	82,803
306,417	2.9680	Electrical & Electronic Engineering	709	82,803
306,608	2.9677	Electrical & Electronic Engineering	924	82,803
306,943	2.9673	Electrical & Electronic Engineering	1,003	82,803
306,962	2.9672	Electrical & Electronic Engineering	880	82,803
307,319	2.9667	Electrical & Electronic Engineering	818	82,803
307,570	2.9664	Electrical & Electronic Engineering	1,098	82,803
307,623	2.9663	Electrical & Electronic Engineering	968	82,803
308,157	2.9655	Electrical & Electronic Engineering	1,025	82,803
308,240	2.9654	Electrical & Electronic Engineering	923	82,803
309,362	2.9637	Electrical & Electronic Engineering	985	82,803
310,209	2.9624	Electrical & Electronic Engineering	1,058	82,803
310,232	2.9623	Electrical & Electronic Engineering	977	82,803
310,406	2.9621	Electrical & Electronic Engineering	886	82,803
310,447	2.9620	Electrical & Electronic Engineering	949	82,803
310,635	2.9617	Electrical & Electronic Engineering	807	82,803
310,922	2.9613	Electrical & Electronic Engineering	1,028	82,803
311,151	2.9610	Electrical & Electronic Engineering	869	82,803
311,479	2.9604	Electrical & Electronic Engineering	772	82,803
311,564	2.9603	Electrical & Electronic Engineering	1,015	82,803
311,693	2.9601	Electrical & Electronic Engineering	1,124	82,803
311,803	2.9599	Electrical & Electronic Engineering	1,034	82,803
311,924	2.9598	Electrical & Electronic Engineering	1,002	82,803

312,363	2.9592	Electrical & Electronic Engineering	995	82,803
312,364	2.9592	Electrical & Electronic Engineering	1,087	82,803
312,466	2.9590	Electrical & Electronic Engineering	1,088	82,803
312,572	2.9588	Electrical & Electronic Engineering	1,113	82,803
312,759	2.9585	Electrical & Electronic Engineering	962	82,803
312,869	2.9584	Electrical & Electronic Engineering	993	82,803
313,511	2.9574	Electrical & Electronic Engineering	848	82,803
313,771	2.9570	Electrical & Electronic Engineering	1,099	82,803
313,907	2.9568	Electrical & Electronic Engineering	1,072	82,803
313,920	2.9568	Electrical & Electronic Engineering	976	82,803
314,345	2.9562	Electrical & Electronic Engineering	863	82,803
314,430	2.9560	Electrical & Electronic Engineering	965	82,803
314,439	2.9560	Electrical & Electronic Engineering	944	82,803
314,528	2.9559	Electrical & Electronic Engineering	1,063	82,803
315,058	2.9550	Electrical & Electronic Engineering	1,017	82,803
315,376	2.9546	Electrical & Electronic Engineering	955	82,803
315,693	2.9541	Electrical & Electronic Engineering	906	82,803
315,974	2.9536	Electrical & Electronic Engineering	673	82,803
316,247	2.9532	Electrical & Electronic Engineering	672	82,803
316,744	2.9525	Electrical & Electronic Engineering	658	82,803
317,089	2.9520	Electrical & Electronic Engineering	793	82,803
317,273	2.9517	Electrical & Electronic Engineering	666	82,803
317,492	2.9514	Electrical & Electronic Engineering	1,117	82,803
317,587	2.9513	Electrical & Electronic Engineering	1,093	82,803
318,049	2.9506	Electrical & Electronic Engineering	1,092	82,803
318,607	2.9498	Electrical & Electronic Engineering	887	82,803
318,617	2.9498	Electrical & Electronic Engineering	1,111	82,803
318,657	2.9498	Electrical & Electronic Engineering	711	82,803
318,711	2.9497	Electrical & Electronic Engineering	1,037	82,803
318,846	2.9495	Electrical & Electronic Engineering	1,089	82,803
319,241	2.9488	Electrical & Electronic Engineering	1,074	82,803
319,514	2.9485	Electrical & Electronic Engineering	1,192	82,803
320,106	2.9475	Electrical & Electronic Engineering	1,137	82,803
320,298	2.9473	Electrical & Electronic Engineering	1,135	82,803
320,314	2.9472	Electrical & Electronic Engineering	1,108	82,803
320,356	2.9472	Electrical & Electronic Engineering	1,081	82,803
320,482	2.9470	Electrical & Electronic Engineering	857	82,803
320,846	2.9464	Electrical & Electronic Engineering	964	82,803
321,104	2.9460	Electrical & Electronic Engineering	1,085	82,803
321,224	2.9459	Electrical & Electronic Engineering	1,171	82,803
321,895	2.9449	Electrical & Electronic Engineering	850	82,803
322,034	2.9447	Electrical & Electronic Engineering	789	82,803
322,075	2.9446	Electrical & Electronic Engineering	972	82,803
322,397	2.9441	Electrical & Electronic Engineering	1,062	82,803
323,052	2.9432	Electrical & Electronic Engineering	1,001	82,803
323,247	2.9429	Electrical & Electronic Engineering	1,059	82,803
324,023	2.9418	Electrical & Electronic Engineering	1,140	82,803

324,050	2.9417	Electrical & Electronic Engineering	907	82,803
324,436	2.9412	Electrical & Electronic Engineering	1,065	82,803
325,420	2.9398	Electrical & Electronic Engineering	1,162	82,803
325,847	2.9391	Electrical & Electronic Engineering	966	82,803
326,139	2.9387	Electrical & Electronic Engineering	1,175	82,803
326,526	2.9381	Electrical & Electronic Engineering	1,054	82,803
326,660	2.9379	Electrical & Electronic Engineering	1,149	82,803
327,114	2.9373	Electrical & Electronic Engineering	825	82,803
327,168	2.9372	Electrical & Electronic Engineering	788	82,803
327,364	2.9369	Electrical & Electronic Engineering	969	82,803
327,810	2.9362	Electrical & Electronic Engineering	998	82,803
327,996	2.9359	Electrical & Electronic Engineering	974	82,803
328,351	2.9354	Electrical & Electronic Engineering	1,005	82,803
328,596	2.9350	Electrical & Electronic Engineering	1,082	82,803
328,647	2.9350	Electrical & Electronic Engineering	1,157	82,803
328,761	2.9348	Electrical & Electronic Engineering	1,047	82,803
329,526	2.9338	Electrical & Electronic Engineering	1,174	82,803
330,301	2.9326	Electrical & Electronic Engineering	1,127	82,803
330,314	2.9326	Electrical & Electronic Engineering	849	82,803
330,364	2.9325	Electrical & Electronic Engineering	1,000	82,803
330,780	2.9319	Electrical & Electronic Engineering	1,021	82,803
330,973	2.9316	Electrical & Electronic Engineering	1,102	82,803
331,688	2.9306	Electrical & Electronic Engineering	1,032	82,803
331,892	2.9304	Electrical & Electronic Engineering	1,128	82,803
331,928	2.9303	Electrical & Electronic Engineering	1,008	82,803
332,134	2.9300	Electrical & Electronic Engineering	1,129	82,803
332,582	2.9293	Electrical & Electronic Engineering	852	82,803
332,695	2.9291	Electrical & Electronic Engineering	1,206	82,803
332,873	2.9289	Electrical & Electronic Engineering	1,067	82,803
333,287	2.9283	Electrical & Electronic Engineering	926	82,803
333,320	2.9283	Electrical & Electronic Engineering	1,115	82,803
333,505	2.9280	Electrical & Electronic Engineering	1,189	82,803
333,554	2.9279	Electrical & Electronic Engineering	1,083	82,803
333,705	2.9277	Electrical & Electronic Engineering	970	82,803
333,728	2.9277	Electrical & Electronic Engineering	1,118	82,803
334,053	2.9272	Electrical & Electronic Engineering	1,094	82,803
334,059	2.9272	Electrical & Electronic Engineering	1,004	82,803
334,471	2.9266	Electrical & Electronic Engineering	999	82,803
334,725	2.9262	Electrical & Electronic Engineering	1,173	82,803
334,859	2.9260	Electrical & Electronic Engineering	1,193	82,803
335,009	2.9258	Electrical & Electronic Engineering	1,027	82,803
335,101	2.9256	Electrical & Electronic Engineering	1,268	82,803
335,146	2.9256	Electrical & Electronic Engineering	1,084	82,803
335,203	2.9255	Electrical & Electronic Engineering	1,134	82,803
335,592	2.9250	Electrical & Electronic Engineering	1,119	82,803
335,603	2.9250	Electrical & Electronic Engineering	841	82,803
335,927	2.9245	Electrical & Electronic Engineering	914	82,803

335,978	2.9245	Electrical & Electronic Engineering	1,169	82,803
336,230	2.9242	Electrical & Electronic Engineering	927	82,803
336,414	2.9239	Electrical & Electronic Engineering	904	82,803
336,571	2.9237	Electrical & Electronic Engineering	898	82,803
337,690	2.9221	Electrical & Electronic Engineering	1,164	82,803
338,004	2.9217	Electrical & Electronic Engineering	875	82,803
338,243	2.9214	Electrical & Electronic Engineering	1,138	82,803
338,344	2.9212	Electrical & Electronic Engineering	1,197	82,803
338,468	2.9210	Electrical & Electronic Engineering	1,191	82,803
338,526	2.9209	Electrical & Electronic Engineering	1,057	82,803
338,583	2.9209	Electrical & Electronic Engineering	1,247	82,803
338,740	2.9206	Electrical & Electronic Engineering	775	82,803
339,147	2.9201	Electrical & Electronic Engineering	1,071	82,803
339,200	2.9200	Electrical & Electronic Engineering	1,130	82,803
339,232	2.9200	Electrical & Electronic Engineering	1,148	82,803
339,783	2.9192	Electrical & Electronic Engineering	975	82,803
339,942	2.9190	Electrical & Electronic Engineering	1,287	82,803
340,685	2.9178	Electrical & Electronic Engineering	1,106	82,803
341,071	2.9173	Electrical & Electronic Engineering	954	82,803
341,121	2.9172	Electrical & Electronic Engineering	1,182	82,803
341,159	2.9172	Electrical & Electronic Engineering	1,066	82,803
341,674	2.9165	Electrical & Electronic Engineering	1,100	82,803
341,790	2.9163	Electrical & Electronic Engineering	1,095	82,803
341,923	2.9161	Electrical & Electronic Engineering	1,213	82,803
342,282	2.9156	Electrical & Electronic Engineering	698	82,803
342,684	2.9151	Electrical & Electronic Engineering	1,107	82,803
343,533	2.9139	Electrical & Electronic Engineering	811	82,803
344,107	2.9131	Electrical & Electronic Engineering	1,315	82,803
344,110	2.9131	Electrical & Electronic Engineering	1,242	82,803
344,150	2.9130	Electrical & Electronic Engineering	931	82,803
344,191	2.9130	Electrical & Electronic Engineering	1,180	82,803
344,389	2.9127	Electrical & Electronic Engineering	1,050	82,803
345,411	2.9113	Electrical & Electronic Engineering	1,179	82,803
345,446	2.9112	Electrical & Electronic Engineering	971	82,803
345,475	2.9112	Electrical & Electronic Engineering	1,013	82,803
345,613	2.9110	Electrical & Electronic Engineering	1,188	82,803
345,843	2.9106	Electrical & Electronic Engineering	1,252	82,803
346,423	2.9098	Electrical & Electronic Engineering	1,196	82,803
346,473	2.9098	Electrical & Electronic Engineering	1,014	82,803
346,865	2.9093	Electrical & Electronic Engineering	1,049	82,803
347,299	2.9087	Electrical & Electronic Engineering	1,232	82,803
347,569	2.9083	Electrical & Electronic Engineering	1,080	82,803
347,689	2.9081	Electrical & Electronic Engineering	620	82,803
347,965	2.9077	Electrical & Electronic Engineering	1,151	82,803
348,291	2.9073	Electrical & Electronic Engineering	1,168	82,803
348,518	2.9070	Electrical & Electronic Engineering	1,185	82,803
348,520	2.9070	Electrical & Electronic Engineering	1,031	82,803

348,575	2.9069	Electrical & Electronic Engineering	946	82,803
348,628	2.9069	Electrical & Electronic Engineering	992	82,803
348,940	2.9064	Electrical & Electronic Engineering	1,035	82,803
349,040	2.9063	Electrical & Electronic Engineering	1,103	82,803
349,058	2.9062	Electrical & Electronic Engineering	1,101	82,803
349,253	2.9060	Electrical & Electronic Engineering	1,172	82,803
349,377	2.9058	Electrical & Electronic Engineering	941	82,803
349,929	2.9050	Electrical & Electronic Engineering	1,233	82,803
350,362	2.9045	Electrical & Electronic Engineering	1,051	82,803
351,239	2.9032	Electrical & Electronic Engineering	1,267	82,803
351,274	2.9032	Electrical & Electronic Engineering	1,139	82,803
351,417	2.9030	Electrical & Electronic Engineering	1,126	82,803
351,457	2.9029	Electrical & Electronic Engineering	1,234	82,803
351,607	2.9027	Electrical & Electronic Engineering	1,176	82,803
351,807	2.9024	Electrical & Electronic Engineering	1,294	82,803
352,611	2.9013	Electrical & Electronic Engineering	1,012	82,803
352,912	2.9009	Electrical & Electronic Engineering	1,123	82,803
353,083	2.9007	Electrical & Electronic Engineering	1,133	82,803
353,092	2.9007	Electrical & Electronic Engineering	1,039	82,803
353,346	2.9003	Electrical & Electronic Engineering	1,096	82,803
353,348	2.9003	Electrical & Electronic Engineering	1,303	82,803
353,719	2.8998	Electrical & Electronic Engineering	1,219	82,803
353,803	2.8997	Electrical & Electronic Engineering	1,254	82,803
353,916	2.8995	Electrical & Electronic Engineering	1,056	82,803
353,950	2.8995	Electrical & Electronic Engineering	1,291	82,803
354,452	2.8988	Electrical & Electronic Engineering	501	82,803
354,574	2.8987	Electrical & Electronic Engineering	1,226	82,803
355,421	2.8976	Electrical & Electronic Engineering	1,370	82,803
355,561	2.8974	Electrical & Electronic Engineering	1,280	82,803
355,658	2.8973	Electrical & Electronic Engineering	1,309	82,803
355,671	2.8972	Electrical & Electronic Engineering	1,167	82,803
355,722	2.8972	Electrical & Electronic Engineering	1,257	82,803
356,205	2.8965	Electrical & Electronic Engineering	881	82,803
356,684	2.8958	Electrical & Electronic Engineering	1,243	82,803
356,783	2.8957	Electrical & Electronic Engineering	1,278	82,803
357,665	2.8945	Electrical & Electronic Engineering	1,260	82,803
357,836	2.8942	Electrical & Electronic Engineering	1,253	82,803
358,072	2.8939	Electrical & Electronic Engineering	1,371	82,803
358,104	2.8939	Electrical & Electronic Engineering	1,131	82,803
358,654	2.8932	Electrical & Electronic Engineering	1,205	82,803
359,178	2.8925	Electrical & Electronic Engineering	1,246	82,803
359,612	2.8919	Electrical & Electronic Engineering	1,187	82,803
360,069	2.8913	Electrical & Electronic Engineering	1,241	82,803
360,335	2.8910	Electrical & Electronic Engineering	1,207	82,803
360,465	2.8908	Electrical & Electronic Engineering	1,199	82,803
360,724	2.8905	Electrical & Electronic Engineering	1,351	82,803
360,913	2.8902	Electrical & Electronic Engineering	1,379	82,803

361,231	2.8897	Electrical & Electronic Engineering	1,321	82,803
361,381	2.8895	Electrical & Electronic Engineering	1,202	82,803
361,432	2.8895	Electrical & Electronic Engineering	1,041	82,803
361,800	2.8890	Electrical & Electronic Engineering	1,362	82,803
362,280	2.8883	Electrical & Electronic Engineering	1,289	82,803
362,350	2.8882	Electrical & Electronic Engineering	1,147	82,803
362,489	2.8880	Electrical & Electronic Engineering	582	82,803
362,703	2.8878	Electrical & Electronic Engineering	1,222	82,803
362,975	2.8874	Electrical & Electronic Engineering	1,349	82,803
363,039	2.8873	Electrical & Electronic Engineering	1,316	82,803
363,099	2.8872	Electrical & Electronic Engineering	1,075	82,803
363,240	2.8870	Electrical & Electronic Engineering	1,384	82,803
363,500	2.8866	Electrical & Electronic Engineering	1,305	82,803
364,159	2.8858	Electrical & Electronic Engineering	1,218	82,803
364,348	2.8855	Electrical & Electronic Engineering	953	82,803
364,511	2.8853	Electrical & Electronic Engineering	991	82,803
365,169	2.8844	Electrical & Electronic Engineering	707	82,803
365,343	2.8841	Electrical & Electronic Engineering	1,259	82,803
365,503	2.8839	Electrical & Electronic Engineering	1,194	82,803
365,587	2.8838	Electrical & Electronic Engineering	1,324	82,803
365,666	2.8837	Electrical & Electronic Engineering	1,158	82,803
366,048	2.8832	Electrical & Electronic Engineering	1,132	82,803
366,420	2.8827	Electrical & Electronic Engineering	1,238	82,803
366,805	2.8822	Electrical & Electronic Engineering	1,190	82,803
367,378	2.8815	Electrical & Electronic Engineering	1,282	82,803
367,911	2.8808	Electrical & Electronic Engineering	1,105	82,803
367,964	2.8807	Electrical & Electronic Engineering	1,286	82,803
368,131	2.8805	Electrical & Electronic Engineering	1,156	82,803
368,264	2.8803	Electrical & Electronic Engineering	1,265	82,803
368,576	2.8799	Electrical & Electronic Engineering	1,335	82,803
368,640	2.8798	Electrical & Electronic Engineering	1,228	82,803
368,812	2.8796	Electrical & Electronic Engineering	1,382	82,803
369,075	2.8792	Electrical & Electronic Engineering	1,159	82,803
369,221	2.8791	Electrical & Electronic Engineering	1,386	82,803
369,807	2.8783	Electrical & Electronic Engineering	1,144	82,803
370,267	2.8777	Electrical & Electronic Engineering	1,229	82,803
370,293	2.8777	Electrical & Electronic Engineering	1,204	82,803
370,365	2.8775	Electrical & Electronic Engineering	1,245	82,803
370,533	2.8773	Electrical & Electronic Engineering	1,250	82,803
370,732	2.8770	Electrical & Electronic Engineering	871	82,803
371,231	2.8764	Electrical & Electronic Engineering	1,236	82,803
371,255	2.8763	Electrical & Electronic Engineering	1,170	82,803
371,376	2.8762	Electrical & Electronic Engineering	1,320	82,803
371,497	2.8760	Electrical & Electronic Engineering	935	82,803
371,761	2.8757	Electrical & Electronic Engineering	929	82,803
371,786	2.8756	Electrical & Electronic Engineering	1,086	82,803
371,932	2.8754	Electrical & Electronic Engineering	1,430	82,803

372,236	2.8750	Electrical & Electronic Engineering	1,458	82,803
372,258	2.8750	Electrical & Electronic Engineering	1,424	82,803
372,425	2.8748	Electrical & Electronic Engineering	1,416	82,803
372,463	2.8748	Electrical & Electronic Engineering	1,122	82,803
372,484	2.8747	Electrical & Electronic Engineering	1,153	82,803
372,507	2.8747	Electrical & Electronic Engineering	1,221	82,803
372,816	2.8743	Electrical & Electronic Engineering	1,394	82,803
372,967	2.8741	Electrical & Electronic Engineering	1,077	82,803
373,362	2.8736	Electrical & Electronic Engineering	1,313	82,803
373,444	2.8735	Electrical & Electronic Engineering	1,298	82,803
373,457	2.8735	Electrical & Electronic Engineering	1,248	82,803
373,470	2.8734	Electrical & Electronic Engineering	1,355	82,803
373,711	2.8731	Electrical & Electronic Engineering	1,284	82,803
374,412	2.8722	Electrical & Electronic Engineering	1,029	82,803
374,550	2.8720	Electrical & Electronic Engineering	1,457	82,803
374,697	2.8718	Electrical & Electronic Engineering	899	82,803
374,888	2.8716	Electrical & Electronic Engineering	1,373	82,803
375,094	2.8713	Electrical & Electronic Engineering	1,258	82,803
375,174	2.8712	Electrical & Electronic Engineering	1,068	82,803
375,175	2.8712	Electrical & Electronic Engineering	916	82,803
375,285	2.8711	Electrical & Electronic Engineering	1,235	82,803
375,548	2.8707	Electrical & Electronic Engineering	1,365	82,803
375,625	2.8706	Electrical & Electronic Engineering	1,195	82,803
375,764	2.8704	Electrical & Electronic Engineering	1,279	82,803
376,173	2.8699	Electrical & Electronic Engineering	803	82,803
376,223	2.8698	Electrical & Electronic Engineering	1,360	82,803
376,471	2.8695	Electrical & Electronic Engineering	1,358	82,803
376,525	2.8695	Electrical & Electronic Engineering	1,178	82,803
377,099	2.8687	Electrical & Electronic Engineering	1,276	82,803
377,408	2.8683	Electrical & Electronic Engineering	1,043	82,803
377,695	2.8680	Electrical & Electronic Engineering	1,449	82,803
377,722	2.8679	Electrical & Electronic Engineering	1,323	82,803
378,143	2.8674	Electrical & Electronic Engineering	780	82,803
378,819	2.8665	Electrical & Electronic Engineering	1,255	82,803
379,670	2.8654	Electrical & Electronic Engineering	1,203	82,803
379,713	2.8653	Electrical & Electronic Engineering	1,042	82,803
380,011	2.8649	Electrical & Electronic Engineering	1,300	82,803
380,405	2.8644	Electrical & Electronic Engineering	1,244	82,803
380,429	2.8644	Electrical & Electronic Engineering	1,325	82,803
380,781	2.8640	Electrical & Electronic Engineering	1,482	82,803
380,965	2.8637	Electrical & Electronic Engineering	1,090	82,803
381,215	2.8634	Electrical & Electronic Engineering	1,333	82,803
381,614	2.8629	Electrical & Electronic Engineering	1,433	82,803
381,975	2.8624	Electrical & Electronic Engineering	1,052	82,803
382,162	2.8622	Electrical & Electronic Engineering	1,419	82,803
382,643	2.8616	Electrical & Electronic Engineering	868	82,803
382,835	2.8614	Electrical & Electronic Engineering	1,353	82,803

383,408	2.8606	Electrical & Electronic Engineering	1,350	82,803
384,005	2.8598	Electrical & Electronic Engineering	1,142	82,803
384,278	2.8595	Electrical & Electronic Engineering	1,262	82,803
384,305	2.8594	Electrical & Electronic Engineering	1,210	82,803
384,756	2.8589	Electrical & Electronic Engineering	1,125	82,803
384,811	2.8588	Electrical & Electronic Engineering	1,338	82,803
385,447	2.8580	Electrical & Electronic Engineering	1,378	82,803
385,728	2.8576	Electrical & Electronic Engineering	1,451	82,803
386,472	2.8566	Electrical & Electronic Engineering	1,200	82,803
386,544	2.8565	Electrical & Electronic Engineering	1,498	82,803
386,667	2.8564	Electrical & Electronic Engineering	1,166	82,803
386,738	2.8563	Electrical & Electronic Engineering	1,023	82,803
386,975	2.8560	Electrical & Electronic Engineering	1,452	82,803
387,069	2.8559	Electrical & Electronic Engineering	1,261	82,803
387,236	2.8556	Electrical & Electronic Engineering	1,435	82,803
387,492	2.8553	Electrical & Electronic Engineering	1,497	82,803
387,731	2.8551	Electrical & Electronic Engineering	1,421	82,803
387,934	2.8548	Electrical & Electronic Engineering	1,356	82,803
388,121	2.8546	Electrical & Electronic Engineering	1,354	82,803
388,315	2.8543	Electrical & Electronic Engineering	1,152	82,803
388,549	2.8540	Electrical & Electronic Engineering	1,359	82,803
388,861	2.8536	Electrical & Electronic Engineering	1,343	82,803
389,106	2.8533	Electrical & Electronic Engineering	631	82,803
389,880	2.8523	Electrical & Electronic Engineering	1,501	82,803
389,937	2.8522	Electrical & Electronic Engineering	984	82,803
390,076	2.8521	Electrical & Electronic Engineering	1,069	82,803
390,106	2.8520	Electrical & Electronic Engineering	1,412	82,803
390,153	2.8520	Electrical & Electronic Engineering	1,393	82,803
390,660	2.8513	Electrical & Electronic Engineering	1,395	82,803
390,746	2.8512	Electrical & Electronic Engineering	1,208	82,803
390,953	2.8509	Electrical & Electronic Engineering	1,078	82,803
391,164	2.8506	Electrical & Electronic Engineering	715	82,803
392,064	2.8495	Electrical & Electronic Engineering	1,146	82,803
392,079	2.8495	Electrical & Electronic Engineering	1,455	82,803
392,293	2.8492	Electrical & Electronic Engineering	1,266	82,803
392,557	2.8488	Electrical & Electronic Engineering	1,522	82,803
392,799	2.8485	Electrical & Electronic Engineering	830	82,803
393,197	2.8481	Electrical & Electronic Engineering	1,439	82,803
393,398	2.8478	Electrical & Electronic Engineering	1,183	82,803
393,491	2.8477	Electrical & Electronic Engineering	1,508	82,803
393,638	2.8475	Electrical & Electronic Engineering	1,437	82,803
394,247	2.8468	Electrical & Electronic Engineering	1,285	82,803
394,296	2.8467	Electrical & Electronic Engineering	1,331	82,803
394,376	2.8467	Electrical & Electronic Engineering	1,040	82,803
395,112	2.8457	Electrical & Electronic Engineering	1,155	82,803
395,325	2.8455	Electrical & Electronic Engineering	1,240	82,803
395,597	2.8452	Electrical & Electronic Engineering	1,263	82,803

395,702	2.8450	Electrical & Electronic Engineering	1,367	82,803
396,001	2.8446	Electrical & Electronic Engineering	1,397	82,803
396,232	2.8444	Electrical & Electronic Engineering	920	82,803
396,474	2.8441	Electrical & Electronic Engineering	1,494	82,803
396,550	2.8440	Electrical & Electronic Engineering	1,165	82,803
396,924	2.8436	Electrical & Electronic Engineering	1,121	82,803
396,951	2.8436	Electrical & Electronic Engineering	1,064	82,803
397,189	2.8432	Electrical & Electronic Engineering	1,544	82,803
397,322	2.8431	Electrical & Electronic Engineering	1,383	82,803
397,923	2.8423	Electrical & Electronic Engineering	1,024	82,803
398,057	2.8422	Electrical & Electronic Engineering	1,459	82,803
398,418	2.8418	Electrical & Electronic Engineering	1,293	82,803
398,919	2.8411	Electrical & Electronic Engineering	1,415	82,803
398,941	2.8411	Electrical & Electronic Engineering	763	82,803
398,967	2.8411	Electrical & Electronic Engineering	1,398	82,803
399,042	2.8410	Electrical & Electronic Engineering	1,385	82,803
399,057	2.8410	Electrical & Electronic Engineering	1,440	82,803
399,334	2.8406	Electrical & Electronic Engineering	1,454	82,803
399,481	2.8404	Electrical & Electronic Engineering	1,531	82,803
399,974	2.8398	Electrical & Electronic Engineering	1,473	82,803
400,145	2.8396	Electrical & Electronic Engineering	1,422	82,803
400,324	2.8394	Electrical & Electronic Engineering	1,348	82,803
400,566	2.8391	Electrical & Electronic Engineering	1,352	82,803
400,588	2.8391	Electrical & Electronic Engineering	1,310	82,803
400,926	2.8386	Electrical & Electronic Engineering	1,549	82,803
401,305	2.8382	Electrical & Electronic Engineering	340	82,803
401,659	2.8377	Electrical & Electronic Engineering	1,576	82,803
402,341	2.8369	Electrical & Electronic Engineering	1,377	82,803
402,724	2.8364	Electrical & Electronic Engineering	1,366	82,803
402,910	2.8362	Electrical & Electronic Engineering	1,076	82,803
403,648	2.8353	Electrical & Electronic Engineering	1,484	82,803
404,112	2.8347	Electrical & Electronic Engineering	1,546	82,803
404,161	2.8346	Electrical & Electronic Engineering	1,292	82,803
404,193	2.8346	Electrical & Electronic Engineering	1,114	82,803
404,251	2.8345	Electrical & Electronic Engineering	1,322	82,803
404,428	2.8343	Electrical & Electronic Engineering	1,342	82,803
404,469	2.8343	Electrical & Electronic Engineering	1,414	82,803
404,518	2.8342	Electrical & Electronic Engineering	1,441	82,803
404,565	2.8341	Electrical & Electronic Engineering	1,464	82,803
404,867	2.8337	Electrical & Electronic Engineering	1,425	82,803
404,959	2.8336	Electrical & Electronic Engineering	1,097	82,803
405,180	2.8334	Electrical & Electronic Engineering	1,631	82,803
405,217	2.8333	Electrical & Electronic Engineering	1,376	82,803
405,234	2.8333	Electrical & Electronic Engineering	1,479	82,803
405,261	2.8333	Electrical & Electronic Engineering	1,466	82,803
405,741	2.8327	Electrical & Electronic Engineering	1,297	82,803
405,762	2.8327	Electrical & Electronic Engineering	1,580	82,803

405,953	2.8324	Electrical & Electronic Engineering	1,374	82,803
406,458	2.8318	Electrical & Electronic Engineering	1,538	82,803
406,540	2.8317	Electrical & Electronic Engineering	1,402	82,803
407,371	2.8308	Electrical & Electronic Engineering	1,237	82,803
407,625	2.8305	Electrical & Electronic Engineering	1,381	82,803
407,682	2.8304	Electrical & Electronic Engineering	1,357	82,803
408,258	2.8297	Electrical & Electronic Engineering	1,605	82,803
408,673	2.8292	Electrical & Electronic Engineering	1,372	82,803
409,047	2.8288	Electrical & Electronic Engineering	1,575	82,803
409,245	2.8286	Electrical & Electronic Engineering	1,369	82,803
409,663	2.8281	Electrical & Electronic Engineering	865	82,803
409,855	2.8279	Electrical & Electronic Engineering	1,627	82,803
410,168	2.8275	Electrical & Electronic Engineering	1,644	82,803
410,582	2.8270	Electrical & Electronic Engineering	1,475	82,803
410,991	2.8265	Electrical & Electronic Engineering	1,587	82,803
411,394	2.8261	Electrical & Electronic Engineering	1,161	82,803
411,648	2.8258	Electrical & Electronic Engineering	1,593	82,803
411,659	2.8258	Electrical & Electronic Engineering	1,404	82,803
411,991	2.8254	Electrical & Electronic Engineering	1,269	82,803
412,031	2.8253	Electrical & Electronic Engineering	1,477	82,803
412,260	2.8250	Electrical & Electronic Engineering	1,461	82,803
412,295	2.8250	Electrical & Electronic Engineering	1,535	82,803
412,605	2.8246	Electrical & Electronic Engineering	1,230	82,803
413,116	2.8240	Electrical & Electronic Engineering	1,499	82,803
413,203	2.8239	Electrical & Electronic Engineering	1,467	82,803
413,422	2.8237	Electrical & Electronic Engineering	1,563	82,803
413,639	2.8234	Electrical & Electronic Engineering	1,675	82,803
413,648	2.8234	Electrical & Electronic Engineering	1,344	82,803
413,650	2.8234	Electrical & Electronic Engineering	1,184	82,803
414,191	2.8228	Electrical & Electronic Engineering	1,311	82,803
414,225	2.8228	Electrical & Electronic Engineering	1,407	82,803
414,231	2.8228	Electrical & Electronic Engineering	1,503	82,803
416,723	2.8198	Electrical & Electronic Engineering	1,329	82,803
416,829	2.8196	Electrical & Electronic Engineering	1,540	82,803
417,213	2.8192	Electrical & Electronic Engineering	1,319	82,803
417,478	2.8189	Electrical & Electronic Engineering	1,277	82,803
417,565	2.8188	Electrical & Electronic Engineering	1,553	82,803
417,792	2.8185	Electrical & Electronic Engineering	1,431	82,803
417,831	2.8185	Electrical & Electronic Engineering	1,474	82,803
417,851	2.8184	Electrical & Electronic Engineering	1,406	82,803
418,079	2.8182	Electrical & Electronic Engineering	1,274	82,803
418,320	2.8179	Electrical & Electronic Engineering	1,442	82,803
419,141	2.8170	Electrical & Electronic Engineering	1,198	82,803
419,280	2.8168	Electrical & Electronic Engineering	1,334	82,803
419,292	2.8168	Electrical & Electronic Engineering	1,308	82,803
419,592	2.8165	Electrical & Electronic Engineering	1,706	82,803
419,837	2.8162	Electrical & Electronic Engineering	1,256	82,803

420,023	2.8160	Electrical & Electronic Engineering	1,521	82,803
420,122	2.8159	Electrical & Electronic Engineering	1,478	82,803
420,590	2.8154	Electrical & Electronic Engineering	1,444	82,803
421,542	2.8143	Electrical & Electronic Engineering	1,589	82,803
421,704	2.8141	Electrical & Electronic Engineering	1,345	82,803
421,855	2.8139	Electrical & Electronic Engineering	1,070	82,803
421,942	2.8138	Electrical & Electronic Engineering	1,610	82,803
422,189	2.8135	Electrical & Electronic Engineering	1,652	82,803
422,438	2.8132	Electrical & Electronic Engineering	1,562	82,803
422,495	2.8131	Electrical & Electronic Engineering	1,408	82,803
422,520	2.8131	Electrical & Electronic Engineering	1,542	82,803
423,663	2.8118	Electrical & Electronic Engineering	1,214	82,803
423,795	2.8116	Electrical & Electronic Engineering	1,602	82,803
423,879	2.8116	Electrical & Electronic Engineering	1,480	82,803
424,539	2.8108	Electrical & Electronic Engineering	1,302	82,803
424,540	2.8108	Electrical & Electronic Engineering	1,427	82,803
425,105	2.8101	Electrical & Electronic Engineering	1,428	82,803
425,158	2.8101	Electrical & Electronic Engineering	1,471	82,803
425,275	2.8100	Electrical & Electronic Engineering	1,526	82,803
425,473	2.8097	Electrical & Electronic Engineering	1,160	82,803
425,908	2.8092	Electrical & Electronic Engineering	1,275	82,803
426,217	2.8089	Electrical & Electronic Engineering	1,396	82,803
426,537	2.8085	Electrical & Electronic Engineering	1,524	82,803
426,882	2.8081	Electrical & Electronic Engineering	1,661	82,803
427,101	2.8079	Electrical & Electronic Engineering	1,301	82,803
427,340	2.8076	Electrical & Electronic Engineering	1,581	82,803
427,647	2.8072	Electrical & Electronic Engineering	1,646	82,803
427,994	2.8068	Electrical & Electronic Engineering	1,512	82,803
427,998	2.8068	Electrical & Electronic Engineering	1,251	82,803
428,166	2.8066	Electrical & Electronic Engineering	1,341	82,803
428,213	2.8066	Electrical & Electronic Engineering	1,622	82,803
428,274	2.8065	Electrical & Electronic Engineering	1,496	82,803
428,556	2.8061	Electrical & Electronic Engineering	1,649	82,803
428,644	2.8061	Electrical & Electronic Engineering	1,635	82,803
428,888	2.8058	Electrical & Electronic Engineering	1,590	82,803
429,118	2.8055	Electrical & Electronic Engineering	1,476	82,803
429,145	2.8055	Electrical & Electronic Engineering	1,061	82,803
429,416	2.8052	Electrical & Electronic Engineering	1,502	82,803
429,466	2.8051	Electrical & Electronic Engineering	1,446	82,803
429,624	2.8049	Electrical & Electronic Engineering	1,560	82,803
429,723	2.8048	Electrical & Electronic Engineering	1,632	82,803
429,755	2.8048	Electrical & Electronic Engineering	1,525	82,803
430,117	2.8044	Electrical & Electronic Engineering	1,731	82,803
430,348	2.8041	Electrical & Electronic Engineering	1,758	82,803
430,402	2.8040	Electrical & Electronic Engineering	1,500	82,803
430,764	2.8036	Electrical & Electronic Engineering	1,495	82,803
430,829	2.8035	Electrical & Electronic Engineering	1,742	82,803

431,502	2.8027	Electrical & Electronic Engineering	1,163	82,803
431,834	2.8023	Electrical & Electronic Engineering	1,698	82,803
431,885	2.8023	Electrical & Electronic Engineering	1,543	82,803
432,042	2.8021	Electrical & Electronic Engineering	1,579	82,803
432,317	2.8018	Electrical & Electronic Engineering	1,585	82,803
432,444	2.8016	Electrical & Electronic Engineering	1,603	82,803
432,829	2.8012	Electrical & Electronic Engineering	1,767	82,803
432,854	2.8012	Electrical & Electronic Engineering	1,239	82,803
433,643	2.8003	Electrical & Electronic Engineering	1,663	82,803
433,725	2.8002	Electrical & Electronic Engineering	1,487	82,803
433,892	2.8000	Electrical & Electronic Engineering	1,519	82,803
434,026	2.7998	Electrical & Electronic Engineering	1,716	82,803
434,030	2.7998	Electrical & Electronic Engineering	1,674	82,803
434,146	2.7997	Electrical & Electronic Engineering	1,405	82,803
434,686	2.7991	Electrical & Electronic Engineering	1,227	82,803
434,725	2.7991	Electrical & Electronic Engineering	1,212	82,803
435,014	2.7988	Electrical & Electronic Engineering	1,469	82,803
435,040	2.7987	Electrical & Electronic Engineering	1,527	82,803
435,154	2.7986	Electrical & Electronic Engineering	1,504	82,803
435,323	2.7984	Electrical & Electronic Engineering	1,591	82,803
435,768	2.7980	Electrical & Electronic Engineering	1,445	82,803
435,844	2.7979	Electrical & Electronic Engineering	1,485	82,803
435,851	2.7979	Electrical & Electronic Engineering	1,509	82,803
436,057	2.7976	Electrical & Electronic Engineering	1,594	82,803
436,531	2.7971	Electrical & Electronic Engineering	1,429	82,803
436,837	2.7967	Electrical & Electronic Engineering	1,339	82,803
436,933	2.7966	Electrical & Electronic Engineering	1,264	82,803
437,118	2.7964	Electrical & Electronic Engineering	1,629	82,803
437,215	2.7963	Electrical & Electronic Engineering	1,569	82,803
437,345	2.7961	Electrical & Electronic Engineering	1,691	82,803
437,911	2.7955	Electrical & Electronic Engineering	979	82,803
437,954	2.7954	Electrical & Electronic Engineering	1,450	82,803
438,087	2.7953	Electrical & Electronic Engineering	1,648	82,803
438,283	2.7950	Electrical & Electronic Engineering	1,782	82,803
438,348	2.7950	Electrical & Electronic Engineering	1,399	82,803
438,610	2.7947	Electrical & Electronic Engineering	932	82,803
438,870	2.7943	Electrical & Electronic Engineering	1,601	82,803
439,337	2.7938	Electrical & Electronic Engineering	1,628	82,803
439,879	2.7931	Electrical & Electronic Engineering	1,637	82,803
440,574	2.7923	Electrical & Electronic Engineering	1,613	82,803
440,841	2.7920	Electrical & Electronic Engineering	1,744	82,803
440,950	2.7919	Electrical & Electronic Engineering	1,141	82,803
441,253	2.7916	Electrical & Electronic Engineering	1,136	82,803
441,287	2.7915	Electrical & Electronic Engineering	1,460	82,803
442,183	2.7905	Electrical & Electronic Engineering	1,640	82,803
442,308	2.7904	Electrical & Electronic Engineering	1,577	82,803
442,402	2.7903	Electrical & Electronic Engineering	1,616	82,803

443,095	2.7895	Electrical & Electronic Engineering	1,597	82,803
443,205	2.7894	Electrical & Electronic Engineering	883	82,803
443,298	2.7892	Electrical & Electronic Engineering	1,273	82,803
443,516	2.7890	Electrical & Electronic Engineering	1,392	82,803
443,526	2.7890	Electrical & Electronic Engineering	1,655	82,803
444,460	2.7880	Electrical & Electronic Engineering	1,520	82,803
444,583	2.7879	Electrical & Electronic Engineering	1,746	82,803
444,690	2.7877	Electrical & Electronic Engineering	1,418	82,803
444,782	2.7876	Electrical & Electronic Engineering	1,510	82,803
446,747	2.7854	Electrical & Electronic Engineering	1,223	82,803
446,974	2.7851	Electrical & Electronic Engineering	1,215	82,803
447,031	2.7850	Electrical & Electronic Engineering	1,547	82,803
447,037	2.7850	Electrical & Electronic Engineering	1,736	82,803
447,071	2.7850	Electrical & Electronic Engineering	1,623	82,803
447,140	2.7849	Electrical & Electronic Engineering	1,528	82,803
447,319	2.7847	Electrical & Electronic Engineering	1,568	82,803
447,373	2.7846	Electrical & Electronic Engineering	1,506	82,803
447,606	2.7844	Electrical & Electronic Engineering	1,296	82,803
447,633	2.7844	Electrical & Electronic Engineering	1,809	82,803
447,852	2.7841	Electrical & Electronic Engineering	1,491	82,803
448,019	2.7839	Electrical & Electronic Engineering	1,584	82,803
448,280	2.7836	Electrical & Electronic Engineering	1,813	82,803
448,616	2.7832	Electrical & Electronic Engineering	1,752	82,803
448,866	2.7830	Electrical & Electronic Engineering	1,211	82,803
448,899	2.7829	Electrical & Electronic Engineering	1,420	82,803
449,113	2.7827	Electrical & Electronic Engineering	1,703	82,803
449,297	2.7825	Electrical & Electronic Engineering	1,177	82,803
449,587	2.7822	Electrical & Electronic Engineering	1,447	82,803
449,918	2.7818	Electrical & Electronic Engineering	1,271	82,803
450,303	2.7814	Electrical & Electronic Engineering	1,645	82,803
450,921	2.7807	Electrical & Electronic Engineering	1,400	82,803
450,971	2.7806	Electrical & Electronic Engineering	1,818	82,803
451,550	2.7800	Electrical & Electronic Engineering	1,217	82,803
451,743	2.7798	Electrical & Electronic Engineering	1,657	82,803
452,170	2.7794	Electrical & Electronic Engineering	1,760	82,803
452,224	2.7793	Electrical & Electronic Engineering	1,718	82,803
452,244	2.7793	Electrical & Electronic Engineering	1,659	82,803
452,400	2.7791	Electrical & Electronic Engineering	1,670	82,803
452,475	2.7790	Electrical & Electronic Engineering	1,725	82,803
452,602	2.7789	Electrical & Electronic Engineering	1,364	82,803
452,863	2.7786	Electrical & Electronic Engineering	1,620	82,803
453,057	2.7784	Electrical & Electronic Engineering	1,693	82,803
453,339	2.7780	Electrical & Electronic Engineering	1,337	82,803
453,386	2.7780	Electrical & Electronic Engineering	1,596	82,803
453,622	2.7777	Electrical & Electronic Engineering	1,750	82,803
453,835	2.7774	Electrical & Electronic Engineering	1,517	82,803
454,106	2.7771	Electrical & Electronic Engineering	1,700	82,803

454,351	2.7769	Electrical & Electronic Engineering	1,463	82,803
454,485	2.7768	Electrical & Electronic Engineering	1,312	82,803
454,647	2.7766	Electrical & Electronic Engineering	1,732	82,803
454,729	2.7765	Electrical & Electronic Engineering	1,413	82,803
454,900	2.7763	Electrical & Electronic Engineering	1,737	82,803
455,298	2.7759	Electrical & Electronic Engineering	1,493	82,803
455,389	2.7758	Electrical & Electronic Engineering	1,761	82,803
455,421	2.7758	Electrical & Electronic Engineering	1,249	82,803
455,743	2.7754	Electrical & Electronic Engineering	1,541	82,803
455,748	2.7754	Electrical & Electronic Engineering	1,770	82,803
455,774	2.7754	Electrical & Electronic Engineering	1,669	82,803
455,783	2.7754	Electrical & Electronic Engineering	1,556	82,803
455,929	2.7752	Electrical & Electronic Engineering	1,391	82,803
456,957	2.7741	Electrical & Electronic Engineering	1,600	82,803
456,966	2.7741	Electrical & Electronic Engineering	1,653	82,803
457,641	2.7734	Electrical & Electronic Engineering	1,595	82,803
458,148	2.7728	Electrical & Electronic Engineering	1,516	82,803
458,260	2.7727	Electrical & Electronic Engineering	1,756	82,803
458,406	2.7725	Electrical & Electronic Engineering	1,772	82,803
458,451	2.7725	Electrical & Electronic Engineering	1,734	82,803
458,880	2.7720	Electrical & Electronic Engineering	1,388	82,803
458,925	2.7720	Electrical & Electronic Engineering	1,672	82,803
459,056	2.7718	Electrical & Electronic Engineering	1,104	82,803
459,669	2.7712	Electrical & Electronic Engineering	1,317	82,803
459,692	2.7712	Electrical & Electronic Engineering	1,604	82,803
459,969	2.7708	Electrical & Electronic Engineering	1,518	82,803
459,980	2.7708	Electrical & Electronic Engineering	1,592	82,803
460,453	2.7703	Electrical & Electronic Engineering	1,507	82,803
460,578	2.7702	Electrical & Electronic Engineering	1,606	82,803
460,615	2.7702	Electrical & Electronic Engineering	1,186	82,803
461,017	2.7697	Electrical & Electronic Engineering	1,401	82,803
461,019	2.7697	Electrical & Electronic Engineering	1,573	82,803
461,027	2.7697	Electrical & Electronic Engineering	1,225	82,803
461,072	2.7697	Electrical & Electronic Engineering	1,554	82,803
461,241	2.7695	Electrical & Electronic Engineering	1,380	82,803
461,493	2.7692	Electrical & Electronic Engineering	1,773	82,803
462,052	2.7686	Electrical & Electronic Engineering	1,832	82,803
462,370	2.7682	Electrical & Electronic Engineering	1,318	82,803
462,518	2.7681	Electrical & Electronic Engineering	1,307	82,803
462,602	2.7680	Electrical & Electronic Engineering	1,201	82,803
462,811	2.7678	Electrical & Electronic Engineering	1,689	82,803
463,239	2.7673	Electrical & Electronic Engineering	1,586	82,803
463,459	2.7671	Electrical & Electronic Engineering	1,678	82,803
463,744	2.7668	Electrical & Electronic Engineering	1,539	82,803
464,925	2.7655	Electrical & Electronic Engineering	1,665	82,803
464,943	2.7655	Electrical & Electronic Engineering	1,738	82,803
465,205	2.7652	Electrical & Electronic Engineering	1,626	82,803

465,408	2.7650	Electrical & Electronic Engineering	1,387	82,803
465,566	2.7648	Electrical & Electronic Engineering	1,798	82,803
465,574	2.7648	Electrical & Electronic Engineering	1,462	82,803
465,887	2.7645	Electrical & Electronic Engineering	1,624	82,803
465,917	2.7644	Electrical & Electronic Engineering	1,224	82,803
465,964	2.7644	Electrical & Electronic Engineering	1,710	82,803
466,050	2.7643	Electrical & Electronic Engineering	1,666	82,803
466,381	2.7639	Electrical & Electronic Engineering	1,812	82,803
466,458	2.7638	Electrical & Electronic Engineering	1,662	82,803
466,655	2.7636	Electrical & Electronic Engineering	1,918	82,803
466,679	2.7636	Electrical & Electronic Engineering	1,154	82,803
466,727	2.7635	Electrical & Electronic Engineering	1,181	82,803
467,095	2.7631	Electrical & Electronic Engineering	1,728	82,803
467,291	2.7629	Electrical & Electronic Engineering	1,904	82,803
467,450	2.7627	Electrical & Electronic Engineering	1,120	82,803
467,537	2.7626	Electrical & Electronic Engineering	1,912	82,803
467,578	2.7625	Electrical & Electronic Engineering	1,660	82,803
467,753	2.7624	Electrical & Electronic Engineering	1,536	82,803
468,183	2.7619	Electrical & Electronic Engineering	1,534	82,803
469,208	2.7608	Electrical & Electronic Engineering	1,842	82,803
471,096	2.7588	Electrical & Electronic Engineering	1,488	82,803
471,131	2.7588	Electrical & Electronic Engineering	1,724	82,803
471,256	2.7586	Electrical & Electronic Engineering	1,483	82,803
471,801	2.7581	Electrical & Electronic Engineering	1,048	82,803
471,829	2.7581	Electrical & Electronic Engineering	1,020	82,803
472,021	2.7579	Electrical & Electronic Engineering	1,638	82,803
472,083	2.7578	Electrical & Electronic Engineering	1,709	82,803
472,087	2.7578	Electrical & Electronic Engineering	1,306	82,803
472,129	2.7578	Electrical & Electronic Engineering	1,857	82,803
472,400	2.7575	Electrical & Electronic Engineering	1,825	82,803
472,451	2.7574	Electrical & Electronic Engineering	1,722	82,803
472,515	2.7573	Electrical & Electronic Engineering	1,888	82,803
472,656	2.7572	Electrical & Electronic Engineering	1,788	82,803
472,844	2.7570	Electrical & Electronic Engineering	1,855	82,803
473,036	2.7568	Electrical & Electronic Engineering	1,751	82,803
473,176	2.7566	Electrical & Electronic Engineering	1,314	82,803
473,357	2.7565	Electrical & Electronic Engineering	1,434	82,803
473,617	2.7562	Electrical & Electronic Engineering	1,790	82,803
473,659	2.7561	Electrical & Electronic Engineering	1,920	82,803
473,673	2.7561	Electrical & Electronic Engineering	1,686	82,803
473,874	2.7559	Electrical & Electronic Engineering	1,743	82,803
474,175	2.7556	Electrical & Electronic Engineering	1,636	82,803
474,662	2.7551	Electrical & Electronic Engineering	1,617	82,803
474,733	2.7550	Electrical & Electronic Engineering	1,699	82,803
474,872	2.7549	Electrical & Electronic Engineering	1,639	82,803
474,894	2.7548	Electrical & Electronic Engineering	1,432	82,803
474,941	2.7548	Electrical & Electronic Engineering	1,564	82,803

475,184	2.7545	Electrical & Electronic Engineering	1,867	82,803
475,309	2.7544	Electrical & Electronic Engineering	945	82,803
475,323	2.7544	Electrical & Electronic Engineering	1,753	82,803
475,574	2.7541	Electrical & Electronic Engineering	1,326	82,803
476,311	2.7533	Electrical & Electronic Engineering	1,726	82,803
476,580	2.7531	Electrical & Electronic Engineering	1,775	82,803
476,659	2.7530	Electrical & Electronic Engineering	1,739	82,803
476,714	2.7529	Electrical & Electronic Engineering	1,796	82,803
476,844	2.7528	Electrical & Electronic Engineering	1,843	82,803
477,088	2.7526	Electrical & Electronic Engineering	1,515	82,803
477,336	2.7523	Electrical & Electronic Engineering	1,570	82,803
477,493	2.7522	Electrical & Electronic Engineering	1,281	82,803
477,497	2.7522	Electrical & Electronic Engineering	1,778	82,803
477,700	2.7519	Electrical & Electronic Engineering	1,792	82,803
477,972	2.7517	Electrical & Electronic Engineering	1,304	82,803
478,143	2.7515	Electrical & Electronic Engineering	1,821	82,803
478,187	2.7514	Electrical & Electronic Engineering	1,643	82,803
478,376	2.7512	Electrical & Electronic Engineering	1,607	82,803
479,038	2.7506	Electrical & Electronic Engineering	1,615	82,803
479,069	2.7505	Electrical & Electronic Engineering	1,897	82,803
479,266	2.7503	Electrical & Electronic Engineering	1,925	82,803
479,319	2.7503	Electrical & Electronic Engineering	1,150	82,803
479,482	2.7501	Electrical & Electronic Engineering	1,465	82,803
479,550	2.7501	Electrical & Electronic Engineering	1,486	82,803
479,635	2.7500	Electrical & Electronic Engineering	1,877	82,803
479,854	2.7497	Electrical & Electronic Engineering	1,687	82,803
480,082	2.7495	Electrical & Electronic Engineering	1,715	82,803
480,091	2.7495	Electrical & Electronic Engineering	1,336	82,803
480,269	2.7493	Electrical & Electronic Engineering	1,801	82,803
480,584	2.7490	Electrical & Electronic Engineering	1,417	82,803
481,177	2.7484	Electrical & Electronic Engineering	1,654	82,803
481,724	2.7479	Electrical & Electronic Engineering	1,942	82,803
481,725	2.7479	Electrical & Electronic Engineering	1,346	82,803
481,891	2.7477	Electrical & Electronic Engineering	1,073	82,803
482,032	2.7476	Electrical & Electronic Engineering	1,671	82,803
482,690	2.7469	Electrical & Electronic Engineering	1,868	82,803
482,900	2.7467	Electrical & Electronic Engineering	1,714	82,803
482,928	2.7467	Electrical & Electronic Engineering	1,116	82,803
483,656	2.7459	Electrical & Electronic Engineering	1,919	82,803
484,404	2.7452	Electrical & Electronic Engineering	1,863	82,803
484,837	2.7447	Electrical & Electronic Engineering	1,533	82,803
484,946	2.7446	Electrical & Electronic Engineering	1,794	82,803
485,003	2.7446	Electrical & Electronic Engineering	1,803	82,803
485,206	2.7443	Electrical & Electronic Engineering	1,869	82,803
485,290	2.7443	Electrical & Electronic Engineering	1,899	82,803
485,514	2.7440	Electrical & Electronic Engineering	1,216	82,803
486,075	2.7434	Electrical & Electronic Engineering	1,816	82,803

488,583	2.7408	Electrical & Electronic Engineering	1,808	82,803
489,072	2.7403	Electrical & Electronic Engineering	1,511	82,803
489,169	2.7402	Electrical & Electronic Engineering	1,953	82,803
489,180	2.7402	Electrical & Electronic Engineering	1,599	82,803
490,409	2.7389	Electrical & Electronic Engineering	1,630	82,803
490,919	2.7384	Electrical & Electronic Engineering	1,327	82,803
491,077	2.7383	Electrical & Electronic Engineering	1,347	82,803
491,407	2.7379	Electrical & Electronic Engineering	1,490	82,803
491,775	2.7376	Electrical & Electronic Engineering	1,409	82,803
492,102	2.7372	Electrical & Electronic Engineering	1,363	82,803
493,456	2.7358	Electrical & Electronic Engineering	1,558	82,803
493,634	2.7357	Electrical & Electronic Engineering	1,656	82,803
496,182	2.7331	Electrical & Electronic Engineering	1,220	82,803
497,214	2.7320	Electrical & Electronic Engineering	1,609	82,803
498,111	2.7311	Electrical & Electronic Engineering	1,650	82,803
499,603	2.7297	Electrical & Electronic Engineering	1,456	82,803
500,447	2.7288	Electrical & Electronic Engineering	1,559	82,803
500,887	2.7284	Electrical & Electronic Engineering	1,389	82,803
502,405	2.7268	Electrical & Electronic Engineering	1,614	82,803
503,774	2.7255	Electrical & Electronic Engineering	901	82,803
505,010	2.7242	Electrical & Electronic Engineering	1,505	82,803
505,028	2.7242	Electrical & Electronic Engineering	1,443	82,803
506,433	2.7228	Electrical & Electronic Engineering	1,436	82,803
506,490	2.7228	Electrical & Electronic Engineering	1,514	82,803
506,675	2.7226	Electrical & Electronic Engineering	1,270	82,803
507,490	2.7218	Electrical & Electronic Engineering	1,299	82,803
507,577	2.7217	Electrical & Electronic Engineering	1,571	82,803
508,449	2.7209	Electrical & Electronic Engineering	895	82,803
509,274	2.7201	Electrical & Electronic Engineering	1,651	82,803
510,728	2.7186	Electrical & Electronic Engineering	983	82,803
511,000	2.7184	Electrical & Electronic Engineering	1,143	82,803
516,205	2.7134	Electrical & Electronic Engineering	1,572	82,803
518,032	2.7116	Electrical & Electronic Engineering	1,641	82,803
518,718	2.7109	Electrical & Electronic Engineering	1,411	82,803
520,178	2.7095	Electrical & Electronic Engineering	1,551	82,803
520,981	2.7087	Electrical & Electronic Engineering	1,633	82,803
521,381	2.7083	Electrical & Electronic Engineering	1,403	82,803
524,364	2.7054	Electrical & Electronic Engineering	1,290	82,803
525,339	2.7046	Electrical & Electronic Engineering	1,612	82,803
527,222	2.7027	Electrical & Electronic Engineering	1,625	82,803
528,313	2.7017	Electrical & Electronic Engineering	1,328	82,803
531,358	2.6988	Electrical & Electronic Engineering	1,588	82,803
534,226	2.6962	Electrical & Electronic Engineering	1,530	82,803
537,783	2.6929	Electrical & Electronic Engineering	1,209	82,803
542,967	2.6879	Electrical & Electronic Engineering	1,552	82,803
543,582	2.6874	Electrical & Electronic Engineering	1,330	82,803
544,382	2.6866	Electrical & Electronic Engineering	1,566	82,803

544,629	2.6864	Electrical & Electronic Engineering	1,470	82,803
545,541	2.6855	Electrical & Electronic Engineering	1,361	82,803
545,619	2.6854	Electrical & Electronic Engineering	1,112	82,803
546,229	2.6849	Electrical & Electronic Engineering	1,492	82,803
546,808	2.6844	Electrical & Electronic Engineering	1,621	82,803
547,519	2.6837	Electrical & Electronic Engineering	1,340	82,803
550,084	2.6814	Electrical & Electronic Engineering	1,523	82,803
550,419	2.6810	Electrical & Electronic Engineering	1,545	82,803
550,931	2.6806	Electrical & Electronic Engineering	1,598	82,803
550,954	2.6805	Electrical & Electronic Engineering	1,288	82,803
553,481	2.6782	Electrical & Electronic Engineering	1,375	82,803
553,606	2.6780	Electrical & Electronic Engineering	1,574	82,803
558,520	2.6735	Electrical & Electronic Engineering	997	82,803
566,411	2.6663	Electrical & Electronic Engineering	1,561	82,803
566,990	2.6658	Electrical & Electronic Engineering	1,529	82,803
569,723	2.6633	Electrical & Electronic Engineering	1,272	82,803
575,657	2.6579	Electrical & Electronic Engineering	1,619	82,803
576,297	2.6574	Electrical & Electronic Engineering	1,453	82,803
576,355	2.6573	Electrical & Electronic Engineering	1,557	82,803
578,581	2.6554	Electrical & Electronic Engineering	1,231	82,803
582,046	2.6523	Electrical & Electronic Engineering	1,423	82,803
588,442	2.6466	Electrical & Electronic Engineering	1,578	82,803
593,319	2.6423	Electrical & Electronic Engineering	1,565	82,803
594,944	2.6410	Electrical & Electronic Engineering	1,368	82,803
597,145	2.6391	Electrical & Electronic Engineering	1,283	82,803
601,320	2.6356	Electrical & Electronic Engineering	1,489	82,803
607,107	2.6306	Electrical & Electronic Engineering	1,513	82,803
609,547	2.6285	Electrical & Electronic Engineering	1,109	82,803
615,292	2.6236	Electrical & Electronic Engineering	1,295	82,803
618,415	2.6209	Electrical & Electronic Engineering	1,608	82,803
620,662	2.6191	Electrical & Electronic Engineering	1,567	82,803
621,977	2.6180	Electrical & Electronic Engineering	1,448	82,803
623,199	2.6170	Electrical & Electronic Engineering	1,634	82,803
637,726	2.6052	Electrical & Electronic Engineering	1,537	82,803
640,715	2.6028	Electrical & Electronic Engineering	1,548	82,803
653,333	2.5925	Electrical & Electronic Engineering	1,438	82,803
654,415	2.5916	Electrical & Electronic Engineering	1,582	82,803
665,799	2.5826	Electrical & Electronic Engineering	1,410	82,803
673,836	2.5764	Electrical & Electronic Engineering	1,555	82,803
684,465	2.5682	Electrical & Electronic Engineering	1,611	82,803
687,113	2.5662	Electrical & Electronic Engineering	1,055	82,803
694,196	2.5609	Electrical & Electronic Engineering	1,332	82,803
751,450	2.5193	Electrical & Electronic Engineering	1,642	82,803
751,862	2.5189	Electrical & Electronic Engineering	773	82,803
761,888	2.5120	Electrical & Electronic Engineering	1,550	82,803
768,487	2.5074	Electrical & Electronic Engineering	1,532	82,803
777,516	2.5013	Electrical & Electronic Engineering	1,468	82,803

791,109	2.4920	Electrical & Electronic Engineering	1,647	82,803
793,235	2.4906	Electrical & Electronic Engineering	1,618	82,803
798,280	2.4872	Electrical & Electronic Engineering	465	82,803
804,034	2.4833	Electrical & Electronic Engineering	1,426	82,803
821,393	2.4719	Electrical & Electronic Engineering	1,390	82,803
844,847	2.4567	Electrical & Electronic Engineering	1,472	82,803
896,027	2.4245	Electrical & Electronic Engineering	820	82,803
898,714	2.4229	Electrical & Electronic Engineering	1,481	82,803