

## List of Supervision

No.	Name	Year	Thesis Title	Type
1	S. A Mahmoud	1999	Low voltage Analog VLSI Circuits	Ph.D
2	Inas Awad Farag	2000	CMOS Realizations of High-Performance Building Blocks for Current Mode Signal Processing	Ph.D
3	Ahmed Gomaa Radwan	2006	Fractional Calculus Stability, Fractional-Oscillators, and Fractional Filters: Theories and Applications	Ph.D
4	Ahmed Hassan Madian	2007	Low-Voltage Current-Mode CMOS Building Blocks for Field Programmable Analog Arrays and Applications	Ph.D
5	Mohamed Khalaf Salama	2009	Low-voltage low-power CMOS RF low noise amplifier	Ph.D
6	Rania F Ahmed	2012	Practical testing methodologies for detecting hard and soft faults in analog and digital circuits	Ph.D
7	Ahmed Soltan Ali	2014	Analog Circuit Design in the Fractional-Order Domain	Ph.D
8	Lobna Ahmed Said	2016	Design of Fractional-Order Oscillators and Filters Based on Two-Port Networks	Ph.D
9	Nariman Khalil	2020	Applications of Fractional-Order Elements and Memelements in Electronic Circuits	Ph.D
10	Tarek N. Saadawi	1975	Active RC Filters using the Op-Amps and the DVCCS/DVCVS,	M.Sc.
11	Adel A. Sakla	1975	Active Circuits based on Generalized Immittance Converters and Inverters	M.Sc.
12	Mahmoud Fawzy Wagdy	1977	Active Networks using the Operational Amplifier Pole	M.Sc.
13	Selim Saad Awad	1977	Active Networks using the Operational Amplifier	M.Sc.
14	Sanaa Ahmed Badre	1977	Active RC Realizations of L and FDNR and some Applications in filters	M.Sc.
15	Mohammed Ismail	1978	Compensation for the Finite Gain-Bandwidth of Op-amps	M.Sc.
16	Aly E. Salama,	1979	Realization of Active Filters Using Special Types of Operational Amplifiers	M.Sc.
17	Mohamed Nomair Riad	1979	Noise in Active Filters	M.Sc.
18	Tarek Hassanean El-Fayoumi	1984	New Active RC Variable Equalizers,	M.Sc.
19	Mohamed Fathy AboElyazeed	1985	Sub-optimal Realization of Switched Capacitor Filters	M.Sc.
20	Azza Fouad E-IKhamy	1985	Realization of High Accuracy Active Filters Using Composite Amplifiers	M.Sc.
21	Ayman Esam Nassar	1995	MOS Transconductors for Analog Signal Processing	M.Sc.
22	Amr Nabil Hafez	1995	Analysis and Design of Continuous Time Circuits for Analog VLSI	M.Sc.
23	Ehab Khaled El-Raffi	1996	A Computer LAN Based Telephone Switch	M.Sc.
24	Yehea Ismail	1996	Design of Stray Insensitive Switched Capacitor Filters	M.Sc.
25	Hassan Osama Elwan	1996	CMOS Current Mode Circuits and Applications for Analog VLSI	M.Sc.
26	S. A. Mahmoud	1996	New Building Blocks Suitable for Analog Signal Processing in MOS Technology	M.Sc.
27	Inas Awad A. Farg	1997	Operational Floating Amplifiers and Transconductors and Their Applications	M.Sc.

28	Mohamed Hassan Aly El-Tawil	1997	New low Sensitivity Active Filter Circuits Using the Current Feedback Operational Amplifier	M.Sc.
29	Ahmed S. Elwakil	1997	A New Approach for Realizing Electronic Chaos Generators	M.Sc.
30	Yasser Abd El Fattah	1997	Image Coding Techniques using Wavelets and Fractals	M.Sc.
31	Nevine Abo El Hadid El Ghemery	1998	An FPGA Implementation of a Reconfigurable Fuzzy Logic System,	M.Sc.
32	Dalia Abdel-Wahed El-Dib	1998	An FPGA Design and Implementation of A Dynamic Instruction Set Processor	M.Sc.
33	Amira Sabry Ahmed	1998	Oscillator Circuits Using the current Feedback Operational Amplifier	M.Sc.
34	Mohammed Korany Abdel-Mageed	1998	Design of Current Sources and Transconductor Amplifiers in CMOS and BiCMOS Technology	M.Sc.
35	Ahmed M Eltawil	1999	Very Large Scale Integrated Circuits Implementing Code Division Multiple Access Based Wireless Systems	M.Sc.
36	Ahmed A. El-Adawy	1999	Low Voltage Low Power CMOS Transconductors, Current Conveyors and Variable Gain Amplifiers	M.Sc.
37	Yasser Saad Mohamed Abd-Allah	1999	Current Mode Circuits Based On the Supply Current Sensing Technique	M.Sc.
38	Aly Mamdouh Ismail	2000	Novel Low Power Analog CMOS Circuits Suitable for Base Band Section of Direct Conversion Receiver	M.Sc.
39	Ahmed Hassan Madian	2001	Wave digital Filter Theory, Design and Implementation on Field Programmable Gate Arrays	M.Sc.
40	Tarek Ibrahim Hassan	2001	Switched Capacitor Circuits using the Current Feedback Operational amplifier	M.Sc.
41	Maged Fikry Abd-Alla Abdel-Messih	2001	Performance Comparison and Systematic Design of Switched Current Memory Cells	M.Sc.
42	Khaled Mohamed Abd El-Fattah	2001	Low Power CMOS Realizations of Variable Gain Amplifiers for Automatic Gain Control Systems	M.Sc.
43	Ahmed Gomaa Radwan	2002	New MOS Realizations of some Chaotic Equations Using Mathematical Transformations and Numerical Techniques	M.Sc.
44	Mohamed Moustafa Aboudina	2002	Design of Very Low Voltage Switched Capacitor circuits in Very Deep Submicron Technology	M.Sc.
45	Mohamed A. Youssef Abdulla	2002	Novel Analog CMOS Current Mode Building Blocks for Filtering and VGA Applications	M.Sc.
46	Mohamed Khalaf Salama	2003	Low Voltage Low Power RF Mixer	M.Sc.
47	Wessam Sayed Hassanein	2003	New High Performance CMOS Realizations for the Second-Generation Current Conveyors,	M.Sc.
48	Rania Fouad Ahmed	2004	Classification and Generation of Gm-C Band-Pass Filters	M.Sc.
49	Karim Ossama Fouad Abbass	2004	A Comprehensive Design Method for Square Root Domain filters	M.Sc.
50	Ahmed Abdallah Hassanein	2004	Low-Phase-Noise Integrated Voltage controlled Oscillator	M.Sc.
51	Mohamed A. Hashiesh	2004	Digitally Controlled CMOS Analog Building Blocks using New Current Division Network	M.Sc.
52	Hassan Mostafa	2005	Novel High Performance CMOS Analog Current Mode Building Blocks Suitable for Analog Signal Processing	M.Sc.
53	Mohamed Omran	2005	Design of High Order Gm-C Filters using Floating Output Transconductors	M.Sc.
54	Tamer S. Ragheb	2005	New Design Methods and Applications of Square Root Domain Filters	M.Sc.
55	Layla K. Hady	2005	Genetion of Active building Blocks Using Square Domain	M.Sc.

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56	Ehab Sobhy Tawfik	2007	Inverting and Fully Differential Current Conveyors and Applications Suitable for VLSI	M.Sc.
57	Ahmed Awney	2007	Design Procedure for Universal Operational Amplifiers with Emphasis on Frequency Compensation Techniques	M.Sc.
58	Ramy Saad Ahmed	2008	Generalized Symbolic Framework for Synthesis, Modeling, and Analysis of Linear Active Circuits: Theory and Applications	M.Sc.
59	AbdelRahman ElKafrawy	2008	Analog CMOS VLSI Circuits: CMOS OTRA and OFC Realizations and Applications	M.Sc.
60	Ahmed Soltan Aly	2008	Analog Design: New CMOS Realizations of the Operational Mirror Amplifier and its Applications	M.Sc.
61	Hatem Osman	2011	On-chip Narrow-band RF Filtering Techniques for SAW-less Receivers	M.Sc.
62	Mohamed Abuzied	2011	A process-Tolerant RF Filtering Technique for SAW-less Receivers	M.Sc.
63	Lobna Ahmed Said	2011	Active Realization of Doubly Terminated LC Ladder Filters Using Current Feedback Operational Amplifier and Current Differential Amplifier	M.Sc.
64	Ahmed Mohsen Sofy	2012	CMOS Realizations of Current Difference Buffered Amplifiers and Current Difference Transconductance Amplifiers and Applications	M.Sc. Fayoom
65	Salwa Abdelaziz	2012	A Low Voltage Start-Up Charge Pump for Energy Harvesting Applications	M.Sc.
66	Nariman A Khalil	2015	Utilization of Genetic Algorithms to Design Active Circuits Using Mirror Elements	M.Sc. Fayoom
67	Abdullah El Bayomi.	2016	Design of High-Performance Variation-Tolerant Differential Voltage-To-Time Converter (VTC) Circuits	M.Sc.
68	Osama Abdelkader	2017	Low Power Nanometer FPGA Design Techniques at the Device and Circuit Levels	M.Sc.
69	Mai M Goda	2017	Noise Analysis for Low Noise Amplifiers	M.Sc.
70	Mohammed Ahmed El Gabry	2017	Design of Frequency based Analog to digital Converter (FADC): New Design Methodology for Voltage-to-Frequency-Converter (VFC) circuits	M.Sc.
71	Maha R Behiry	2017	Design of a Configurable 3D Network on Chip based on the Direct Elevator 3D Routing Algorithm	M.Sc.
72	Ali H. Hassan	2018	A Self-Powered Neural Recording And simulation SOC For Inter-actable Epilepsy Treatment	M.Sc.
73	Alaa Salaheldin. G. Ibrahim	2019	Design Exploration for Network on Chip Based FPGAs: 2d and 3d Tiles to Router Interface	M.Sc.