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PERSONAL INFORMATION

Hassan Ayad

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Sex M | Date of birth 25/01/1987 | Nationality Egyptian

24/7/2014-Present	**Assistant Lecturer**

Cairo University, Faculty of Science, Department of Mathematics

▪ Teaching and Research

Business or sector Education

24/3/2010-24/7/2014	**Demonstrator**

Cairo University, Faculty of Science, Department of Mathematics

▪ Teaching and Research

Business or sector Education

WORK EXPERIENCE

24/7/2012-24/7/2014	**Master's degree (MSc)**	EQF Level 7

Cairo University, Faculty of Science, Department of Mathematics

▪ Computational Mathematics

24/9/2004-15/6/2008	**Bachelor's degree (BSc)**	EQF Level 6

Cairo University, Faculty of Science, Department of Mathematics

▪ Mathematics
▪ Computer Science

EDUCATION AND TRAINING

Mother tongue(s)   Arabic

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
Advanced	Advanced	Advanced	Advanced	Advanced
IELTS 6.5				

B2: Independent user
Common European Framework of Reference for Languages

PERSONAL SKILLS

| Communication skills | ▪ Good Listener
Engaging with students in study and research activities required that to be a good listener to understand their questions and help them to find appropriate answers.
▪ Friendliness
Always talking with a friendly tone in classrooms and giving feelings of appreciation to my students to give them the opportunity to talk freely as they were friends of mine. |

Organisational / managerial skills
▪ Planning
After years of studying, teaching and research, one has the skill of planning well to accomplish tens of tasks required daily, or per-semester
▪ Teamwork
Leading teams of students to finish their projects helped me to understand each team member role and how to organize the structure of the team, if needed, to make it productive.

Job-related skills
▪ Scientific and Philosophical Thinking
Study, teaching and research of Mathematics made me all time to think in a logical, and scientific way that helped me a lot to resolve my problems in all life fields.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Advanced	Advanced	Advanced	Advanced	Advanced

Proficient user
Digital competences - Self-assessment grid

ICDL

▪ good command of Office Suite (word processor, spread sheet, presentation software)
▪ good command of Photoshop (photo editing software)
▪ good command of Software Developing C++, MATLAB, Python, Java
▪ good command of System Administration (Windows, Linux)
▪ good command of Web Developing using Jooma
▪ good command of LMS Administration with Moodle
all above technological experiences are acquired from my study of Computer Science in BSC level.

Other skills

Driving licence

ADDITIONAL INFORMATION

- Publications
  - Annaby, Mahmoud H., **Hassan Ayad**, and Muhammad A. Rushdi. "On security of image ciphers based on logic circuits and chaotic permutations." Multimedia Tools and Applications (2017): 1-22
  - Farag, T.H., Hassan, W.A., **Ayad, H.A**., AlBahussain, A.S., Badawi, U.A. and Alsmadi, M.K., 2017. Extended Absolute Fuzzy Connectedness Segmentation Algorithm Utilizing Region and Boundary-Based Information. Arabian Journal for Science and Engineering, pp.1-11.
- Conferences
  - Abdelrazik, M., H. A. Ayad, T. H. Farag, and M. Hammed, "Fuzzy Connectedness Application in Lithological Classification", 11th International Conference on the Geology of the Arab World , Egypt, 5 April, 2014.
  - Ayad, H. A., and T. H. Farag, "Hybrid Automated Segmentation Algorithm based on Absolute fuzzy connectedness", The First International Conference on New Horizons in Basic and Applied Science , Hurghada, 30 Septemeber, 2013.
- Seminars
  - Encryption Security with Logic Circuits and Chaotic Scrambling, Mathematical Signal Processing and Data Analysis workshop, Bremen, Germany, 18 September, 2017.
- Memberships
  - IEEE Membership (student)
  - The Egyptian Syndicate of Scientific Professions
  - The Egyptian Mathematical Society
- Summer Schools
  - School on Parallel Programming and Parallel Architecture for HPC and Developer School for HPC applications in Earth Sciences, ICTP, Trieste, Italy, October, 2014.
  - Practice for Students from Arab Republic of Egypt, JINR, Moscow, Russia, June, 2013.
- Workshops
  - Mathematical Signal Processing and Data Analysis, Bremen, Germany, 18 September, 2017.
  - Third LinkSCEEM Cross-sectional HPC Workshop, AUC, Cairo, Egypt, November, 2012
- Courses
  - Research Ethics, FLDC, Jan, 2017
  - Scientific Thinking and Argumentation Skills for Problem Solving, DAAD, July, 2015
  - International Networking, DAAD, July, 2015
  - Communication and Rhetorical skills, DAAD, June, 2015
  - Visualization Techniques in Teaching, DAAD, May, 2015
  - Managing Innovation in Academia, DAAD, May, 2015
  - Self-Marketing, DAAD, May, 2015
  - Innovative Thinking, FLDC, April, 2015
  - Self-Management, DAAD, April, 2015
  - Face the challenge: How to strengthen the employability of Egyptian students, DAAD, March, 2015
  - Designing Scientific Posters, DAAD, March, 2015
  - Proposal Writing GERLS, DAAD, March, 2015
  - International publishing of research papers, FLDC, September, 2014
  - Research Team Leadership, FLDC, July, 2014
  - Legal and financial aspects in university environment, FLDC, February, 2014
  - The credit hour systems, FLDC, August, 2013
  - Accounting Ethics in Academic, FLDC, April, 2013
  - Quality standards in teaching, FLDC, June, 2012
  - Presentation skills, FLDC, April, 2012
- References
  - Prof. Mahmoud Annaby
    Department of Mathematics, Faculty of Science, Cairo University
    mhannaby@sci.cu.edu.eg
  - Prof. Nasser Sweilam
    Department of Mathematics, Faculty of Science, Cairo University
    nsweilam@sci.cu.edu.eg
  - Prof. Jürgen Prestin
    University of Lübeck, Institute of Mathematics
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ANNEXES