



Sherif Abdelazeem, Ph.D.

Dr. Sherif Abdelazeem is an Associate Professor of Electronics Engineering at the American University in Cairo.

Dr. Abdelazeem joined AUC in September 2004. Before joining AUC, he was an associate professor at the Electronics and Communications Department, Faculty of Engineering, Cairo University.

Dr. Abdelazeem received his Ph.D. from the Electrical and Computer Engineering Department at Queen's University, Kingston, Ontario, Canada in 1995.

Research Interests

Dr. Abdelazeem's research interest is in the area of Pattern Recognition. His focus is on Optical Character Recognition (OCR), mainly Arabic handwritten digits recognition.

Recent Publications

1. E. El-Sherif and **S. Abdelazeem**, "A Model-Based Approach for Building Optimum Classification Cascades", in: Pattern Recognition, IN-TECH publishing, Vienna, Austria, 2009, in press.
2. **S. Abdelazeem**, "A Greedy Approach for Building Classification Cascades", in: Machine Learning, IN-TECH publishing, Vienna, Austria, 2009, in press.
3. **S. Abdelazeem**, "Comparing Arabic and Latin handwritten digits recognition problems", Proceedings of World Academy of Science, Engineering, and Technology 54, Paris, France, Volume 1, pp. 466-470, June 2009.
4. **S. Abdelazeem**, E. El-Sherif, "Arabic Handwritten Digit Recognition", International Journal on Document Analysis and Recognition IJDAR, Volume 11, Number 3, pp. 127-141, Dec. 2008.
5. E. El-Sherif, **S. Abdelazeem**, and M. Yazeed, "Automatic Generation of Optimum Classification Cascades", 19th International Conference on Pattern Recognition (ICPR 2008), Tampa, FL, Dec. 2008.
6. **S. Abdelazeem**, "A Greedy Approach for Building Classification Cascades", The Seventh International Conference on Machine Learning and Applications (ICMLA'08), San Diego, CA, pp. 115-120, Dec. 2008.

Courses Taught

- EENG 320: Linear Systems Analysis.
- EENG 325: Signals and Systems.
- EENG 432: Computer Communications Networks.
- EENG 432: Telecommunications Systems.

Extracurricular Activities

Dr. Abdelazeem is the founder and chairman of Resala NGO, the leading volunteer-based organization in Egypt with more than 100,000 registered volunteers and 50 branches across Egypt serving millions of Egyptians: caring for the orphans, providing for the needy, helping the blind, deaf, and people with special needs, eradicating illiteracy, teaching computer literacy courses, free tutoring for needy students, collecting and distributing used clothes, monthly blood donation campaigns, blood life saving database, caring for the elderly, and sheltering street kids.