

الاسم		الصورة الشخصية
Name	Samir Abdelazeem Mohamed Elsayed	
الاسم المستخدم في النشر العلمي	Samir A. Mohamed Elsayed	
الوظيفة الحالية وجهة العمل	Lecturer in the computer science department	
الدرجة العلمية (اسم الجامعة والدولة)	Ph.D. in Computer Science, University of Connecticut, USA	
التخصص العام	Computer Science	
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المؤهلات العلمية	M.S. and Ph.D. in Computer Science; University of Connecticut; Storrs CT , US - 2013 M.S. in Computer Science; Helwan University; Cairo, Egypt - 2006 B.Sc. in Computer Science; Helwan University; Cairo, Egypt - 2001	
السيرة الذاتية	See attached	
الأبحاث المنشورة	See attached	
الجوائز		

PUBLICATIONS

A. Marchi, E. Salomons, A. Ostfeld, Z. Kapelan, A. Simpson, A. Zecchin, H. Maier, Z. Wu, **Samir A. Mohamed Elsayed**, et al., "The Battle of the Water Networks II (BWNII)", Journal of Water Resources Planning and Management, 2013

Samir A. Mohamed Elsayed, "Artificial Immune System for Associative Classification", Doctoral Dissertation, University of Connecticut, Storrs, CT USA 2013.

Samir A. Mohamed Elsayed, Sanguthevar Rajasekaran, and Reda Ammar, "Integrating Clonal Selection and Deterministic Sampling for Efficient Associative Classification", In proceedings of the IEEE Congress on Evolutionary Computation (CEC'13), Cancun, Mexico 2013.

Samir A. Mohamed Elsayed, Sanguthevar Rajasekaran, and Reda Ammar, "ACCS: An ImmuneInspired Associative Classification Algorithm", In proceedings of the 11th International Conference on Artificial Immune Systems (ICARIS'12), Taormina, Italy 2012. ****Nominated for Best Paper Award****

Samir A. Mohamed Elsayed, Sanguthevar Rajasekaran, and Reda Ammar, "MLDS: A Novel Deterministic Sampling Algorithm for Association Rules Mining", In proceedings of the 12th Industrial Conference on Data Mining (ICDM'12), Berlin, Germany 2012.

Samir A. Mohamed Elsayed, Sanguthevar Rajasekaran, and Reda Ammar, "An Artificial Immune System Approach to Associative Classification", In proceedings of the 12th International Conference on Computational Science and Its Applications (ICCSA'12), Salvador de Bahia, Brazil 2012.

Samir A. Mohamed Elsayed, Reda Ammar, and Sanguthevar Rajasekaran "Artificial Immune Systems: Artificial Immune Systems: Models, Applications, and Challenges", In proceedings of the 27th ACM Symposium on Applied Computing (SAC'12), Riva del Garda, Italy 2012.

Samir A. Mohamed Elsayed and Laurent Michel "Synthesis of Search Algorithms from Highlevel CP Models", In proceedings of the 17th International Conference on Principles and Practice of Constraint Programming CP'11, Perugia, Italy 2011.

Samir A. Mohamed Elsayed and Laurent Michel "Synthesis of Search Algorithms from Highlevel CP Models", In proceedings of the The 9th International Workshop on Constraint Modelling and Reformulation, in conjunction with CP'10, St. Andrews, Scotland 2010.

Samir A. Mohamed Elsayed "Development of an intelligent Intrusion Detection System", Master's thesis, Helwan University, Cairo, Egypt 2006.

Aliaa Youssif, Atef Ghalwash, and **Samir A. Mohamed Elsayed**, "Artificial Immune Using Multilevel Negative Selection Approach to Anomaly Detection", In proceedings of the IASTED International Conference on Communication, Network, and Information Security, Cambridge, USA 2006

Atef Ghalwash, Aliaa Youssif, and **Samir A. Mohamed Elsayed**, "Comparing the performance of the Artificial Immune System and SelfOrganizing Map Approaches to Anomaly Detection", In proceedings of the fifth International Conference on the Internet & Information Technology in Modern Organizations (IBIMA), Cairo, Egypt 2005.

DR. SAMIR A. MOHAMED

PROFILE

A committed academic with a Ph.D. in Computer Science from a top U.S. state university. Currently on leave from a Lecturer position at Helwan University in Cairo. Research interests span Machine Learning, Constraint Programming, and IT Security, among others. Passionate about both advancing research and mentoring the next generation of computer scientists.

EXPERIENCE

Lecturer (on leave), Helwan University; Cairo, Egypt – since 2013

- Teaching various Computer Science courses such as Advanced Programming Languages.
- Research in the areas of Machine Learning & IT-security
- Supervision of student projects and contributions to curriculum development

Research/Teaching Assistant; UConn, Storrs CT, US – 2007-2013

- Teaching lab sessions for courses like Object-Oriented Programming in Java, C++ and MATLAB
- Research in the areas of Constraint Programming and Data Mining with Bio-inspired Algorithms
- Contributing to publications and collaborative research projects

Teaching Assistant; Helwan University; Cairo, Egypt – 2001-2006

- Teaching lab sessions for courses like Electronics, Compiler Design, Algorithms, and Operating Systems Concepts
- Research in the area of Network security with a focus on Intrusion Detection Systems (IDS)

EDUCATION

- M.S. and Ph.D. in Computer Science; University of Connecticut; Storrs CT , US - 2013
- M.S. in Computer Science; Helwan University; Cairo, Egypt - 2006
- B.Sc. in Computer Science; Helwan University; Cairo, Egypt - 2001

LANGUAGE SKILLS

- English (Full professional proficiency)
- Arabic (Native)