SFF

SHERIF F. FAHMY

ASSISTANT PROFESSOR | WWW.SHERIFFADELFAHMY.ORG

OBJECTIVE

Conduct research in computer engineering
Excel in teaching
Publish technical articles and books

SKILLS

Programming POSIX systems, teaching at the undergraduate and postgraduate levels, Linux kernel development, system programming, and application programming

EXPERIENCE

COMPUTER ENGINEERING DEPT CHAIR • AASTMT • SEPT 2016 – PRESENT
My responsibilities include overseeing the curriculum of the department, both at the postgrad and undergrad level, making hiring decisions for faculty and administrative workers in the department, supervising the creation and operation of all department committees such as the registration and advising committee, the scheduling committee, and so on. I am also in charge of the accreditation efforts of the department.

ASSISTANT PROFESSOR • AASTMT • AUG 2010 – PRESENT
As an assistant lecturer, its my responsibility to teach undergraduate and postgraduate courses in the department, to write, grade and proctor exams, supervise graduation projects and master thesis dissertations as well as participate in the administrative work of the department.

TEACHING ASSISTANT • AASTMT • OCT 2002 – AUG 2010
I was responsible for teaching sections, tutorials and labs as well as grading exams.

RESEARCH ASSISTANT • VIRGINIA TECH • APR 2006 – SEPT 2006
I worked as a research assistant while conduction my PhD thesis in Virginia Tech.

EDUCATION

PHD IN COMPUTER ENGINEERING• 2010 • VIRGINIA TECH
GPA 4.0 out of 4.0

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NEOTHEONE1981

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Dissertation topic: *Collaborative Scheduling and Synchronization of Distributable Real-Time Threads*

MSC IN COMPUTER ENGINEERING • 2005 • AASTMT
GPA 4.0 out of 4.0
Dissertation topic: *The use of Gait as a Biometric for Person Identification using Surveillance Videos*

BSC IN COMPUTER ENGINEERING • 2002 • AASTMT
GPA 4.0 out of 4.0

LANGUAGES

English: native or bilingual proficiency
Arabic: native or bilingual proficiency

SKILLS

Linux Kernel, POSIX, Unix Shell Scripting, Mac OS X, iOS, iOS development, Teaching, C++, C#, Microprocessors, Distributed Systems, Realtime Programming, OS X, Research, Java, LaTeX, Operating Systems, Matlab, Algorithms, Programming, University Teaching, Signal Processing, Ubuntu, Machine Learning, Software Engineering, Simulations, Simulink, Python, Computer Science, iOS Development, C

SHERIF F. FAHMY

ASSISTANT PROFESSOR |

RESEARCH METRICS

h-index (Google Scholar): 8
i-index (Google Scholar): 6

SELECTED PUBLICATIONS

Providing QoS in Contention Management for Software Transactional Memory, SF Fahmy, Z Sensousy, AF Amin, ICENCO, 2017

Chitosan-tripolyphosphate nanoparticles: optimization of formulation parameters for improving process yield at a novel pH using artificial neural networks, RA Hashad, RAH Ishak, S Fahmy, S Mansour, AS Geneidi, International journal of biological macromolecules 86, 50-58, 2016

Lossless Image Compression Using Agglomerative Hierarchical Clustering and the Jensen-Shannon Divergence, S Samir, SF Fahmy, G Selim, ICCTA,2015

Improving Tor Performance using Tor Optimizer with reference to Client Experience, A Fahmy, SF Fahmy, M AlAmir, AEIC, 2014

Aggregating Local Metrics for Global Trust Calculations in the TOR Network, NMA Aziem, SF Fahmy, AI Hashad, ICCTA, 2014

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MCSAuth: A New Authentication Mechanism for Cloud Systems
SF Fahmy, GI Selim, International Journal of Computer
Applications 88 (15), 2014

Implementing distributable real-time threads in the Linux kernel:
programming interface and scheduling support,SF Fahmy, B
Ravindran, ED Jensen, Proceedings of the 27th Annual ACM
Symposium on Applied Computing, 1771-1778, 2012

DNA Microarray: Analysis of Gene Expression with regard to
Gene Signatures, S Eid, A Youssef, S Fahmy, iCBBE, 2012

On STM concurrency control for multicore embedded real-time
software, S Fahmy, B Ravindran, Embedded Computer Systems
(SAMOS), 2011 International Conference on, 1-8, 2011

On bounding response times under software transactional
memory in distributed multiprocessor real-time systems, SF
Fahmy, B Ravindran, ED Jensen, Design, Automation & Test in
Europe Conference & Exhibition, DATE'09, 2009

Response time analysis of software transactional memory-based
distributed real-time systems, SF Fahmy, B Ravindran, ED Jensen
Proceedings of the 2009 ACM symposium on Applied Computing,
334-338, 2009

On scalable synchronization for distributed embedded real-time
systems, SF Fahmy, B Ravindran, ED Jensen, IFIP International
Workshop on Software Technologies for Embedded and
Ubiquitous Systems, 2008

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Fast scheduling of distributable real-time threads with assured end-to-end timeliness, SF Fahmy, B Ravindran, ED Jensen International Conference on Reliable Software Technologies, 211-225, 2008

On collaborative scheduling of distributable real-time threads in dynamic, Networked Embedded Systems, S Fahmy, B Ravindran, ED Jensen, Object Oriented Real-Time Distributed Computing (ISORC), 2008

Scheduling distributable real-time threads in the presence of crash failures and message losses, SF Fahmy, B Ravindran, ED Jensen, Proceedings of the 2008 ACM symposium on Applied computing, 294-301, 2008

Scheduling dependent distributable real-time threads in dynamic networked embedded systems, S Fahmy, B Ravindran, ED Jensen Distributed Embedded Systems: Design, Middleware and Resources, 171-180, 2008
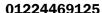
Using ears as a biometric for human recognition, M Saleh, S Fadel, L Abbott, Proc. International Conf. on Computer Theory and Applications, 311-314, 2006

A Novel Hybrid Moving Object Detection Algorithm for Video Surveillance Applications, SF Fahmy, E Al, ICICIS, 2005

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