

Dr. Nidal Al-Dmour

Associate Professor
Faculty of Information technology
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Position

Associate Professor in the Faculty of Information Technology, Ajman University for Science and Technology.

Teaching

1. Computer Security.
2. Fundamental of Information Security
3. Network Security.
4. Enterprise Security.
5. Computer Networks.
6. Network Design and Implementation.
7. Wireless and Mobile Computing.
8. Distributed Systems.
9. Fault Tolerance Systems.
10. Computer Architecture.
11. Embedded Systems.
12. Microprocessor Systems and Assembly Language.
13. Computer Interfacing and Peripheral Devices.
14. Microprocessor Design.
15. Real Time Systems.
16. Digital Logic Design.
17. Control Systems.
18. Computer Skills.
19. Computer Interfacing and Peripheral Devices lab.
20. Digital Logical Design Lab.
21. Microprocessor Design Lab.
22. Computer Architecture Lab.

Awards

University Studentship, Awarded by the University of Mutah in Jordan 1999 to study for MSc and PhD degree in Computer Engineering.

University Award, Awarded by Mutah University, Jordan, 1999 for getting the first rank.

Education

- PhD. Computer Networks, University of Wales Bangor, United Kingdom, 2005. Thesis Title: “*Resource Discovery and Distributed Computing Over Peer to Peer Networks*”.
- MSc, Electronic Engineering/Computer Networks , University of Wales Bangor, United Kingdom, 2001. Thesis Title: “*Use of XML and Java for the Exchange of Computer-Aided Control Engineering Information*”.
- BSc. Communication Engineering, Mutah University, Jordan, 1998.

Experience

- Associate Professor, Ajman University for Science and Technology, UAE, 27/1/2013 to present.
- Associate Professor, Al Hussein University, Jordan 9/9/2012 to 13/1/2013.
- Associate Professor, Mutah University, Jordan 20/12/2011-9/9/2012.
- Assistant Professor, Mutah University 13/2/2005-19/12/2011.
- Dean Assistant for students affairs and Cooperation with industry, Faculty of Engineering, Mutah University, 2011 to present.
- Dean Assistant for students affairs, Faculty of Engineering, Mutah University, 2010 to 2011.
- Chairman of Computer Engineering Department, Mutah University, 2007 to 2010.

Presentations

- "Image Delivery over High Performance Computing ", University of Swansea, Meeting of Postgraduate Computer system engineering, September, 2001.
- "Experiments on Resource Discovery in the Grid and Peer-to-Peer Systems", School of Informatics, University of Wales Bangor, January 22, 2003.
- "ParCop: A Decentralized Peer-to-Peer Computing System", The 3rd International Symposium on Parallel and Distributed Computing, July 7th 2004, Cork, Ireland.
- "The Blackboard Resource Discovery Mechanism over P2P Networks", IASTED, MIT, Cambridge, MA, USA, November 9-11, 2004.

Research Interests

Wireless Computer Networks, Modeling and Simulation, Artificial Life Simulation, High Performance Computing, and Peer-to-Peer Networks.

Publications

1. "ParCop: A Decentralized Peer-to-Peer Computing System", Nidal Al-Dmour and William Teahan, IEEE Computer Society Press, pages: 162-168, 2004.
2. "The Blackboard Resource Discovery Mechanism for P2P Networks", Nidal Al-Dmour and William Teahan. The International Conference on Parallel and Distributed Computing Systems "PDCS", MIT, Cambridge, MA, USA, November 9-11, 2004.
3. "The Blackboard Resource Discovery Mechanism for Distributed Computing over P2P Networks", Nidal Al-Dmour and William Teahan. The International Conference on Parallel and Distributed Computing and Networks "PDCN", Innsbruck, Austria, February 15-17, 2005.
4. "Peer-to-Peer Protocols for Resource Discovery in the Grid", Nidal Al-Dmour and William Teahan. The International Conference on Parallel and Distributed Computing and Networks "PDCN", Innsbruck, Austria, February 15-17, 2005.
5. "On Thought, Knowledge, Evolution and Search", William J. Teahan,

- Nidal Al-Dmour, and Peter G. Tuff. The Computer Methods and Systems Conference, Cracow, Poland, November, 2005.
6. ParCop with New Capabilities and Efficient Scheduling Policies, Mohammad Suliman Sarireh *, Nidal Aabid Al-Hamid Al-Dmour, Leonardo Journal of Sciences, Year: 2011 - Volume: 10 - Issue: 18.
 7. TraffSim: Multiagent Traffic Simulation, Nidal Al-Dmour, European Journal of Scientific Research, ISSN 1450-216X Vol.53 No.4 (2011), pp.570-575, EuroJournals Publishing, Inc. 2011.
 8. Performance Analysis of GTS Allocation in IEEE 802.15.4 Using Omnet++ Simulator, Nidal Al-Dmour, Middle East Journal of Scientific Research, Volume 8 Number (5), 2011
 9. The Performance of Radio Over Multimode Fibre Systems Using Coded Orthogonal Frequency Division Multiplexing, Aser M. Matarneh , Nidal A. Al-Dmour, World Applied Science Journal 13 (6):1302-1309,2011-07-27 ISSN 1818-4952, 2011.
 10. Studying the Impact of DIFS on the QoS Parameters for Wireless Networks, Nidal Al-Dmour, International Review on Computers and Software (I.RE.CO.S.), Vol. 6, n.3, 2011.
 11. Novel Mechanisms for Quality of Service Improvements in Wireless Ad Hoc Networks, Mohammad S. Saraireh, Nidal A. Al-Dmour,WSEAS Transactions on System, Issue 7, Volume 10, July 2011.
 12. Studying the Effect of Varying Time Slots Allocated for GTS on IEEE802.15.4 Performance, Nidal Al-Dmour, International Review on Computers and Software, November, 2011.
 13. Knowledge Distribution in Multi Agent Systems, William J. Teahan, Nidal Al-Dmour, and Peter G. Tuff, Asian Journal of Information Technology, 2012.

Languages:

English: Excellent

Arabic: Mother Tongue.