Parvaneh Shams

Curriculum Vitae

İstanbul Aydin University
Department of Computer Eng.,
K Building İstanbul, TURKEY
TEL +90(212) 4116100- 22704
parvanehshams@*aydin.edu.tr*

Work & Research Experience

2016-	**Instructor**, İstanbul Aydin University, Faculty of Engineering, İstanbul.
2015– 2016	**Research Assistant**, İstanbul University, İstanbul
2012– 2015	**Research Assistant**, Özyeğin University, İstanbul.
2008– 2012	**Instructor**, Faculty of Science, Tabriz University- Iran
	, Computer Engineering Faculty, Azad University- Iran
	, Faculty of Engineering, Elmi Karbordi University- Iran
2004– 2008	**Instructor**. Rabe Rashid University, Department of Engineering, Tabriz- Iran.
2002– 2004	**IT Specialist and control manager,** Dibagaran Enstitüde of Tahran- Iran.
	FekrAzar Institute of İran, Plus net company- Iran.

Research Interest

1) Indoor Visible Light Communications,
2) Short Range Wireless Optical Communication Using IEEE 802.15.07,
3) Performance Analysis for Optical OFDM Systems,
4) Mobility Management in the Wireless Communications,
5) Security in the Communication Networks,
6) Mac layer Performance In Optical Communications,
7) Energy Harvesting Node and hidden node performance in VLC,
8) Fault Detecting and Recovery in IP network,

Education

2012– 2017	**PhD, Electrical & Electronics Engineering,** Department of Electrical and Electronics Engineering, Istanbul University, Istanbul, Turkey.
	Thesis: *Mac layer Performance of the IEEE 802.15.7 in visible light Communications*,
	Supervisors: Prof. Dr. Aydin Akan & Prof. Dr. Murat Uysal
2009– 2012	**MSc, Electrical & Electronics Engineering,** Iran University of Science & Technology (IUST), Tehran, Iran.
	Thesis: *Efficient Algorithm for Fault Correction in IP/MPLS Networks,*
	Supervisors: Prof. Dr. H. SH. Shahhoseini
1999– 2003	**BSc, Electrical & Electronics Engineering**, Azad Tabriz University, Iran.
1998– 2002	**BSc, Computer Engineering**, Azad Tabriz University, Iran.

Publications

1. Parvaneh Shams, MelikeErol-Kantarci and Murat Uysal. , 'Markov-based performance analysis of medium access in visible light communications' Jan 2016, Transactions on Emerging Telecommunications Technologies.
2. Parvaneh Shams, Melike Erol-Kantarci and Murat Uysal, 'MAC layer performance of the IEEE 802.15.7 visible light communication standard' Transaction on Emerging Telecommunications Technologiest. Trans. Emerging Tel. Tech. (2016).
3. P. Shams, A.H. Jafaria, H. SH. Shahhoseini. , 'Fault Management in the IP/MPLS Networks by using Markov Decision Process' 6th Iranian conference on Electrical and Electronics Engineering (ICEEE 2014).
4. S.H. Naderi · P. Shams · H.S. Shahhoseini. , 'Fuzzy-Copeland ranking method to evaluate multi- disjoint paths selection algorithms' Jun 2012.
5. Reza Shokri Kalan · Gurcu Oz · Parvaneh Shams. , 'Energy Consumption Management in Data Center Using Virtualization' Apr 2012.
6. P.Shams, A.H.Jafari, H.S. Shahhoseini, "A New Algorithm for Load balancing in the Cloud Using ELECTERE," sixth electrical national conference, Iran, 2014. (In Persian)
7. A.H. Jafari, H. S. Shahhoseini, P. Shams, "İmprove Performance of the IP/MPLS Networks by using Markov Decision Process," 6th conference in national electrical engineering, Iran, 2011.
8. A.H. Jafari, P.Shams, H. S. Shahhoseini, "A New History Based Network Selection Algorithm in the Wireless Heterogeneous Networks," 4th international conference in the information technology, Iran, 2010.

Computer skills

Programing Languages	MATLAB, MySQL, HTML, Verilog, C, C++, PHP.
General Knowledge	LaTeX, Microsoft Windows and Office, HDL

Languages

English: **IELTS 6.5**

Turkish: **Fluent**

Persian: **Native**

Book Chapters

Chapter 7 of "**Optical Wireless Communications: An Emerging Technology**"
Authors: Murat Uysal, Çağatay Edemen, Elham Sharbazi, Parvaneh Shams.