Mohammadhasan Miri

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Personal Statement

I have always been interested in learning and exploring new things. I have a lot of experience in all layers of computer and communication networks: physical layer (especially wireless media), data link layer (MAC protocols and switching), network layer (routing in Internet and MANET networks), transport layer (socket programming), and application layer (web application programming and multimedia services).

Education

2012- 2019	K. N. Toosi University of Technology; Tehran, Iran	Ph.D. in Telecommunication Engineering	Dissertation Title: Distributed Scheduling Approach for Interference Reduction in Coexisting WBANs
2004-2007	K. N. Toosi University of Technology; Tehran, Iran	M.S. in Telecommunication Engineering	Dissertation Title: QoS Guarantee in IEEE 802.16 Based Networks
2000-2004	Iran University of Science and Technology (IUST); Tehran, Iran	B.S. in Telecommunication Engineering	Final Project Title: Voice Compressing and Multiplexing by DSP (TMS320C25)

Courses in M.S. and Ph.D.

DSP, Stochastic Processes, Mobile Communications, Spread Spectrum, Game Theory, VoIP, MIMO, Advanced Digital Communications, Information Theory and Coding, Encryption, Communication Networks, and Computer Networks.

Skills

- Programming Languages: Pascal, VB, Assembly, C, C++, C#, Java, R, and Python;
- Software: MATLAB, OPNET, OMNet++, and Microsoft Office;
- Database: Microsoft SQL Server, LINQ language;
- Web Programming: HTML, Javascript, ASP.NET, Razor;
- Cisco: CCNA and CCNP switching, routing, and security;
- Operating Systems: Linux, Windows Server, and Windows 10;
- Language Skills: Persian (First Language) and English (Second Language)
  Speaking: Advanced   Writing: Advanced
  Reading: Advanced   Listening: Advanced

Work Experience

2008-2012, 2017-present	Golestan University	Assistant Professor	Teaching: Computer Networks, Internet Engineering, RF Microelectronics, Microprocessors, Digital Communications, and Communication Networks
2015-2016	San Diego State University	Researcher	Research on WBAN and simulating it in OPNET
2008-2012	Gonbad University	Adjunct Lecturer	Teaching: Operating Systems, C++ and C#
2007-2010	Azad University, Gorgan Branch	Adjunct Lecturer	C++ Language, Electronic, and Electrical Circuits
2007	Payame Noor University, Gorgan Branch	Adjunct Lecturer	Microprocessors and Pascal & C++ Languages
2009-2012	Applied- Science University, Gorgan	Adjunct Lecturer, Director of IT Educational Group	Computer Networks, Network Security, C++, and Web programming
2010-2011	Hyrcania Institute of High Education	Adjunct Lecturer, Director of ICT Educational Group	Data Communication and IT Basics
2013	Electronic and Telecommunication Research Center	Researcher	Research on: WiMAX, WiFi, and LTE
2004-2006, 2017	K.N. Toosi Research Institute (ACECR)	Researcher and Project Advisor	Research on: Digital Audio Broadcasting (DAB) and IT

Publications

- Mohammadhasan Miri, Yousef Darmani, Kamal Mohamedpour, and Mahasweta Sarkar, "DRAGON: A Dynamic Distributed Resource Allocation Algorithm for Wireless Networks," IEEE Communications Letters, April 2020;
- Mohammadhasan Miri, Yousef Darmani, Kamal Mohamedpour, and Mahasweta Sarkar, "A distributed algorithm for vertex coloring problems in wireless networks", Array journal, March 2020;
- Mohammadhasan Miri, Kamal Mohamedpour, Yousef Darmani, and Mahasweta Sarkar, "DIAMOND: A Distributed Algorithm for Vertex Coloring Problems and Resource Allocation", IET Networks, 2019;
- Mohammadhasan Miri, Kamal Mohamedpour, Yousef Darmani, Mahasweta Sarkar, and R. Lal Tummala, "An Efficient Resource Allocation Algorithm Based on Vertex Coloring to Mitigate Interference among Coexisting WBANs," Computer Networks, 2019;
- Mohammadhasan Miri and Esmaeil Kalantari, "Admission Control and Traffic Analysis in IEEE 802.16," IASTED 2007 USA (Conference, Accepted);
- Mohammadhasan Miri and Esmaeil Kalantari, "Performance Analysis of Contention Resolution Algorithm in IEEE 802.16 Wireless MAN," Future Telecommunications Conference 2007 Beijing (Conference, Published);
- Mohammadhasan Miri, "An Integrated Quality of Service Architecture for IEEE 802.16 Wireless MAN, Wicom 2009 Beijing (Conference, Accepted);