

**Mohammadhasan Miri**

Golestan University, Gorgan, Iran

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**Personal Statement**

I have always been interested in learning and exploring new things. Since early childhood when I was only six years old up until now I have been studying, teaching or researching. 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**

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| 2012- 2020 | 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: Assembly, C, C++, C#, Java, 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: Upper-Intermediate Writing: Upper-Intermediate

Reading: Upper-Intermediate Listening: Upper-Intermediate

**Work Experience**

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| 2008-2012,  2018-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 | Adjunct Lecturer, Director of IT Educational Group | Computer Networks, Network Security, C++, and Web programming |
| 2010-2011 | Hyrcania Institude 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 | Researcher and Project Advisor | Research on: Digital Audio Broadcasting (DAB) and IT |

**Publications**

* 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);
* 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, 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, and Mahasweta Sarkar, “[DRAGON: A Dynamic Distributed Resource Allocation Algorithm for Wireless Networks](https://www.researchgate.net/publication/340984271_DRAGON_A_Dynamic_Distributed_Resource_Allocation_Algorithm_for_Wireless_Networks?_sg=W3BoOeT_KOsrFJ1PeKeRLCW3Ew9dzFSvLN50QWj14Q8FtylyKogbGtjnvYg79p6R9WbK8s8JZIjeoga84W-M8mRwKusq8LJISfzMJJNR.8rpaeXZnGauSfgfiHV_IgAqhewDVqPFH-V1VYMgP6LlwW9ynVmPoklfydyPVxD9TRwOJQ-AKpcQAmOe5ntE5rg),” IEEE Communications Letters, April 2020;
* Mohammadhasan Miri, Kamal Mohamedpour, Yousef Darmani, and Mahasweta Sarkar, “A distributed algorithm for vertex coloring problems in wireless networks”, Array journal, March 2020.

**Honors & Awards**

* Ranked top 10% in national entrance exam for master studies-2004;
* Ranked 1120th among more than 1,400,000 participants (450,000 in engineering field) in the national universities entrance exam for B.Sc. degree in Iran-2000;
* Ranked 2nd in Physics Olympiad within the Golestan province held by YOUNG SCHOLARS CLUB- 1998.