



A Brief Biography of **Dr. Mohsen Heydarian**

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Name: Mohsen

Research Interest: Computer Networks, QoS Routing, Optimization, Internet engineering.

Surname : Heydarian

Faculty: Information Technology and Computer Engineering

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The Biography

Mohsen Heydarian received the B.Sc. degree in Applied Mathematics from University of Tabriz in 1999, the M.S.E. degree in Applied Mathematics (Numerical Analysis) from Tabriz University in 2002, and the Ph.D. degree in Applied Mathematics and Computer Science from Tabriz University in 2010.

Dr. Heydarian is currently an Assistance Professor in the Department of Information Technology and Computer Engineering at Azarbaijan University of Tarbiat Moallem and has been a founding member of this department since 2007. His current research interests include Communication Technologies, Mathematical Optimization, and Information Technology.

My current research interest

I am interested in to establish a new dynamic routing algorithm for supporting QoS Routing in internet network. This algorithm is based on the optimization modeling, graph theory and constrained based routing. By using this algorithm we can reduce or increase the number of destination nodes and used links when the algorithm is transmitting data. The new algorithm is constructed based on three previous algorithms [1]. , [2] and [3].

Publications

Journals:

[1] A. Isazadeh, **M. Heydarian**. [Optimal Multicast Multichannel Routing in Computer Networks](#). *Computer Communications*, Elsevier, Vol. 31, No. 17, Pages 4149-4161, 2008. Language: English.

[2] A. Isazadeh, **M. Heydarian**. [Traffic Distribution for End-to-End QoS Routing with Multicast Multichannel Services](#). *Journal of Supercomputing*, Springer, To appear. Language: English.

[3] A. Isazadeh and M. Heydarian, [Multicast Multichannel Paths](#), *TeleCommunication Systems Journal*, To Appear.

[4] A. Isazadeh and **M. Heydarian**. [Optimized Efficiency for Multicast Service: A New Approach](#). *WSEAS Transactions on Mathematics*, Vol. 2, No. 2, Pages 171-173, 2003. Language: English.

[5] **M. Heydarian**, A. Isazadeh, and H. Isazadeh. [Optimal Multicast Multichannel Routing in Computer Networks](#). In *Proceedings of the International Symposium on Parallel and Distributed Processing and Applications*, Lecture Notes in Computer Science 4743, Springer, Pages 503-512, Canada, 2007. Language: English.

Conference Proceedings:

[6] **M. Heydarian**, A. Isazadeh, S. Gholizadeh. **Error! Hyperlink reference not valid.** In *Proceedings of International Conference on Internet Computing*, Pages 10-16, 2008. Language: English.

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- [8] Y. Seif A. Isazadeh, and **M. Heydarian**.. [A New Method of Data Communication in networks with Differentiated Services Architecture](#). In *Proceedings of the 36th Iranian Mathematics Conference (IMC'2005)*, Yazd, Iran, 2005. Language: Farsi.
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- [10] A. Isazadeh and **M. Heydarian**. [Formal Specification of the Cross-Point Switching System Using Z](#). In *CD-ROM Proceedings of the WSEAS International Conference on Applied Mathematics*, Corfu, Greece, August 2004. Language: English.
- [11] **M. Heydarian** and A. Isazadeh. [Effect of Information Systems on the Development of University and Industry](#). In *CD-ROM Proceedings of the National Conference on Development and Information Technology*, Urmia, Iran, July 2004. Language: Farsi.
- [12] **M. Heydarian** and A. Isazadeh. [Optimized Congestion Control using an Improved Multicast Routing Algorithm](#). In *Proceedings of the National Computer Conference*, Pages 318-330, Mashhad, Iran, 2002. Language: Farsi.