

# Mehdi Khosravian Ghadikolaei



## Address

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## Education

<b>2008 to present</b>	Msc Computer Science Institute for Advanced Studies in Basic Sciences (IASBS), Zanzan, Iran
<b>2004 to 2008</b>	Bsc Computer Science Vali Asr University, Rafsanjan, Iran

## Search Interest

- Network Algorithms
- Computational complexity
- Approximation Algorithms
- Randomized Algorithms
- Algorithmic Graph Theory
- Computational Geometry
- Data Structure

## Membership

- Member of Robotic and Computational Geometry laboratory (RoboCG), Department of Computer Science & IT, IASBS , Zanjan, Iran
- Member of Iranians Mathematical Society (IMS), 2008 to present
- Member of Computer Olympiad Team  
Department of Computer Science, VRU , Rafsanjan, Iran, 2008

## Publucation

- Arman Didandeh, **Mehdi Khosravian**, Bahram Sadeghi Bigham, “**A Reactive-Agent Based Approach for a Facility Location Problem Using Dynamic Additively Weighted Voronoi Diagram**” (pages 125-128), EuroCG 2010 (regular paper)
- **Mehdi Khosravian**, Bahram Sadeghi Bigham, Arman Didandeh, “**Quench fire and relief based on reactive agent using dynamic additively weighted voronoi diagram**”, CICIS 2010, Zanjan,Iran
- Arman Didandeh, Bahram Sadeghi Bigham, **Mehdi Khosravian** “**RA-DV-FS: Using Voronoi Diagrams to Solve a Hybrid Facility Location Problem Class with Attentive Facilities**”, submitted to European Journal of Operational Research

## Working Papers

- Soccer Robots Decision based on Vector Voronoi Diagram

## Teaching Assistant

- Autumn 2009 Teaching Assistant of Theory of Languages and Automata 1, IASBS, Zanjan, Iran.
- Winter 2008 Teaching Assistant of Theory of Languages and Automata 2, IASBS, Zanjan, Iran.

## Projects

- Design and Implementation of “ Zanzan Rehabilitation Automation comprehensive System”, 2010
- Design and Implementation of “ VRU Dormitory Automation System“, 2008
- Design and Implementation of “ VRU Nourishment Automation System“, 2007

## Attended Conferences and Presentations

- CICIS 2010: IASBS, Zanzan, Iran.
- EuroCG 2010: Technische Universität Dortmund, Dortmund, Germany.
- “The spread of influence through social and computational networks“, Department of Computer science, IASBS, Zanzan, 2010

## Graduated Course Work

- The Theory of Computer Science 1&2
- Advanced Theory of Computation 1&2
- Advanced Computational Complexity 1
- Advanced Theory of Algorithms 1
- Advanced Computational Geometry 1
- Neural Networks 1
- Advanced Artificial Intelligence 1
- Coding Theory and transfer information 1
- Algorithmic Graph Theory
- Stochastic Graph Theory

## Programming and Computer Skills

- Programming
  - ✓ PASCAL,C, C++, C#, JAVA, PYTHON
- Web Programming
  - ✓ PHP, ASP & SQL SERVER
- Software
  - ✓ Numerical Computing Environment: Matlab
  - ✓ Software Development Tools: Microsoft Visual Studio 2008, SQL Server 2005 Management Studio
  - ✓ Operating Systems: Ubuntu Linux, Windows

## Languages

- Persian: Native
- English: Fluent

## Interests and Hobbies

- Mountaineering, Member of IASBS Mountaineering Core.
- Volley Ball, Member of IASBS and VRU Volleyball Teams.
- Others, Soccer, Climbing, Biking, Swimming, Wrestling

## Referees

- **Dr Manouchehr Zaker, (M.Sc. Theses Supervisor)**  
Associate Professor, Dean of Department of Mathematics, Institute for Advanced Studies in Basic Sciences, Zanjan, Iran
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  - ✓ Phone: +98 241 415 2242
- **Dr Bahram Sadeghi Bigham**  
Assistant Professor, Dean of Department of Computer Science and IT, Institute for Advanced Studies in Basic Sciences, Zanjan, Iran
  - ✓ Email: [b\\_sadeghi\\_b@iasbs.ac.ir](mailto:b_sadeghi_b@iasbs.ac.ir)
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- **Dr Mohsen Afsharchi**  
Assistant Professor, President of the National University of Zanjan, Zanjan, Iran
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