

Shahin Kamali

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CITIZENSHIP AND BIRTH YEAR	IRAN, 1984.	
RESEARCH INTERESTS	Online Algorithms, in particular Online Packing Problems Succinct Data Structures Optimization Problems in Graphs: - Gossiping and Broadcasting Problems	
EDUCATION	University of Waterloo , Waterloo, ON. Ph.D. in Computer Science, Sep. 2008 - now. Advisor: Alejandro (Alex) Lòpez-Ortiz. Concordia University , Montreal, QC. M.Sc. in Computer Science, Sep. 2006 - Jun. 2008. Thesis Title: <i>Broadcasting in Weighted-Vertex Graphs</i> . Advisor: Hovhannes A. Harutyunyan. University of Tehran , Tehran, Iran B.Sc. in Computer Science, Sep. 2002 - Aug. 2006. Final Project: <i>Genetic algorithm for predicting RNA secondary structure</i> . Advisor: Hayedeh Ahrabian.	
AWARDS AND HONOURS	Natural Sciences and Engineering Research Council of Canada (NSERC) Alexander Graham Bell Canada Graduate Scholarships (CGS), 2009-2012. University of Waterloo President's Graduate Scholarship (PGS), 2009-2012. University of Waterloo Mathematics Graduate Experience Award, 2008-2009. University of Waterloo Graduate Entrance Scholarship, 2008-2009. 1st place in international U.S.Open competitions in soccer robots 3D-simulation league, together with University of Tehran UTUtd team, Atlanta , Georgia, Winter 2005. 6th place in international RoboCup competitions in soccer robots 3D-simulation league, together with University of Tehran UTUtd team, Osaka, Japan, Summer 2005.	

PUBLICATIONS

- Shahin Kamali, Pedram Ghodsnia, Khuzaima Daudjee, Dynamic Data Allocation with Replication in Distributed Systems (to appear), 30th IEEE International Performance Computing and Communications Conferenc (IPCCC), 2011.
- Arash Farzan, Shahin Kamali, Compact Navigation and Distance Oracles for Graphs with Small Treewidth, 38th International Colloquium on Automata, Languages and Programming (ICALP), 2011.
- Hovhannes A. Harutyunyan, Shahin Kamali, Optimum Broadcasting in Complete Weighted-Vertex Graphs, Proceedings of 36th International Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM), 2010.
- Hovhannes A. Harutyunyan, Shahin Kamali, Efficient Broadcasting in Networks with Weighted Nodes, Proceedings of IEEE 14th International Conference on Parallel and Distributed Systems(ICPADS), 2008.
- Hovhannes A. Harutyunyan, Shahin Kamali, Broadcasting in Weighted-Vertex Graphs, Proceedings of IEEE 6th International Symposium on Parallel and Distributed Processing with Applications (ISPA), 2008.
- Hovhannes A. Harutyunyan, Shahin Kamali, Talin Moradian, Multi-Shared-Trees Based Multicasting in Mesh-Connected Networks, Proceedings of International Conference on parallel and distributed processing Techniques and Applications (PDPTA), 2008.
- HesamAddin Torabi Dashti, Shahin Kamali, Nima Aghaeepour, Positioning in Robots Soccer, Robotic Soccer, I-Tech Education and Publishing (book chapter), 2007.
- HesamAddin Torabi Dashti, Nima Aghaeepour, Sahar Asadi, Meysam Bastani, Zahra Delafkar, Fatemeh Disfani, Serveh Ghaderi, Shahin Kamali, Sepideh Pashami, Alireza Siahpirani, Dynamic Positioning Based on Voronoi Cells (DPVC), Robot WorldCup IX, Lecture Notes in Computer Science (LNCS 4020), Springer, 2006.

ACADEMIC EXPERIENCE

Research assistant, Fall 2009 - now

Algorithms and Complexity Research Group, School of Computer Science, University of Waterloo.

Research assistant, Fall 2008 - Fall 2009

Database Research Group, School of Computer Science, University of Waterloo.

Research assistant, Winter 2006 - Spring 2007

Networks Research Labs, Computer Science Department, Concordia University
Research on theoretical aspects of information dissemination in networks; under supervision of Prof. H. Harutyunyan.

Research assistant, Fall 2005 - Fall 2006

Bioinformatics Research Group, Computer Science Department, University of Tehran,
Research on applying genetic algorithms for predicting the structure of proteins and nucleic acids ., under supervision of Prof. H. Ahrabian.

Research assistant, Winter 2003 - Fall 2005
University of Tehran United (UTUtd) Robotic Research Group, Computer Science
Department, University of Tehran
Research on geometric algorithms for positioning of soccer agents on the game plan.,
under supervision of Prof. M. Parsaei.