

Helia Mohammadi

CONTACT INFORMATION	Ph.D. Student, Research Assistant Department of Electrical & Computer Engineering University of Toronto Multimedia Lab. 7114 Bahen Building, 40 St. George st. Toronto, ON M5S 2E4	Office: +1-416-978-8672 E-mail: helia@comm.utoronto.ca WWW: www.comm.utoronto.ca/~helia
RESEARCH INTERESTS	Medical Image Processing, Computer-Aided Detection and Diagnosis Systems, Fuzzy Expert Systems, Genetic Programming	
EDUCATION	Ph.D. Student in Electrical and Computer Engineering (2010 - Present) Dept. of Electrical & Computer Engineering, University of Toronto, Toronto, Canada. Supervisor: Professor Anastasios Venetsanopoulos M.Sc. in Computer Science (2008 - 2010), GPA 4.33/4.33 Dept. of Computer Science, Ryerson University, Toronto, Canada. Thesis topic: iFAST: An Intelligent Fire-Threat Assessment and Size-up Technology for First Responders Supervisor: Professor Alireza Sadeghian B.Sc. in Computer Engineering (with honors) (2003 - 2007), GPA 87.45% Dept. of Computer Engineering & Science, Azad University Central Tehran Campus, Tehran, Iran. Thesis topic: A Study of Applications of Business Intelligence Techniques in Commercial Enterprises using Data Mining Algorithms. Supervisor: Professor Ramin Nasiri B.Sc. in Business Administration (2003 - 2008), GPA 80% Dept. of Social Sciences & Economics, Alzahra University, Tehran, Iran.	
PROFESSIONAL MEMBERSHIP	<ul style="list-style-type: none">• Member of Multimedia Lab, Dept. of Electrical and Computer Engineering, University of Toronto. 2010 - Prsnt• Member of Multimedia and Distributed Computing Lab, Ryerson University. 2010 - Prsnt• Member of IEEE (Institute of Electrical and Electronics Engineers). 2010 - Prsnt• Member of ACM (Association for Computing Machinery). 2010 - Prsnt• Member of CI2 (Computational Intelligence Initiative) Lab, Ryerson University. 2008 - 2010• Member of UPCL (Ubiquitous and Pervasive Computing Lab) Lab, Ryerson University. 2008 - 2010• Member of Board of Directors at Computer Software Engineering Association, Azad University Central Tehran Campus. 2006 - 2007• Member of Computer Society of Iran. 2005 - 2005• Member of Young Mathematicians Association. 1999 - 2000	
PROFESSIONAL SERVICE	<ul style="list-style-type: none">• Invited Reviewer Feb. 2013 SHUSER13 — IEEE Symposium on Humanities, Science and Engineering Research.• Invited Reviewer Dec. 2012 BEIAC13 — IEEE Business, Engineering and Industrial Applications Colloquium.• Invited Reviewer May. 2012 ISBEIA12 — IEEE Symposium on Business, Engineering and Industrial Applications.	

AWARDS AND
ACHIEVEMENTS

- TATP Teaching Excellence Award – short-listed as one of twelve Best Teaching Assistants among 524 Nominations, University of Toronto, 2012 - 2013
- Best Poster Award, Ryerson Electrical and Computer Engineering Graduate Research Symposium, Toronto, Ontario, Nov. 2012
- NSERC (Natural Sciences and Engineering Research Council of Canada), Value: \$42,000. 2012 - 2014
- QEII-GSST (Queen Elizabeth II Graduate Scholarships in Science and Technology), Value: \$15,000 (received and declined). 2012 - 2013
- OGS (Ontario Graduate Scholarship), Value: \$15,000. 2011 - 2012
- University of Toronto Fellowship, Value: \$5,000. 2011 - 2012
- The Edward S. Rogers Sr. Graduate Scholarship, University of Toronto, Value: \$9,900. 2010 - 2011
- Best Graduate Thesis Award in Recognition of Excellence in Research and Nomination for Governor General’s Gold Medal, Master’s Thesis, Department of Computer Science, Ryerson University. Aug. 2010
- Nominated for the Governor General’s Gold Medal. Sep. 2010
- Cover Story, Ryerson Alumni Magazine, Title: ”Science Revolution”. Sumr. 2010
- Graduate Teaching Assistant Award of Excellence, Department of Computer Science, Ryerson University. 2009 - 2010
- OGS (Ontario Graduate Scholarship), Value: \$15,000. 2009 - 2010
- RGS (Ryerson Graduate Scholarship), Value: \$7,000 (received and declined) 2009 - 2010
- Graduate Teaching Assistant Award of Excellence, Department of Computer Science, Ryerson University. 2008 - 2009
- RGS (Ryerson Graduate Scholarship), Value: \$7,000. 2008 - 2009
- Ranked 1st among more than 250 peers. Department of Computer Engineering and Science, Azad University Central Tehran Campus. 2006 - 2007

ACADEMIC
APPOINTMENTS

- Graduate Researcher Assistant** September 2010 to present
Department of Electrical and Computer Engineering, University of Toronto
 - Topic: *Knowledge-based Medical Image Processing*
 - Supervisor: Professor Anastasios Venetsanopoulos
- Senior Researcher Assistant** September 2010 to August 2012
Department of Computer Science, Ryerson University
 - Topic: *Knowledge-based Medical Image Processing*
 - Supervisor: Professor Alireza Sadeghian
- Graduate Researcher Assistant** September 2008 to 2010
Department of Computer Science, Ryerson University
 - Topic: *Fuzzy Expert Systems*
 - Supervisor: Professor Alireza Sadeghian

DIPLOMAS AND
CERTIFICATES

- AUTP–Advanced University Teaching Preparation Certificate (2012 - Prsnt)**
TATP (Teaching Assistants’ Training Program)
Center for Teaching Support and Innovation
University of Toronto
- TF–Teaching Fundamentals Certificate (Academic year of 2011 - 2012)**
TATP (Teaching Assistants’ Training Program)
Center for Teaching Support and Innovation
University of Toronto

TEACHING EXPERIENCE	<ul style="list-style-type: none"> • <i>Computer Fundamentals</i> Fall 2011, Fall 2012, Fall 2013 Graduate Teaching Assistant, University of Toronto, ECE Dept. • <i>Introductory Programming for Scientists</i> Winter 2010, Fall 2010 Graduate Teaching Assistant, Ryerson University, Computer Science Dept. • <i>Introductory Programming for Scientists</i> Fall 2010 Graduate Teaching Assistant Conducting Tutorials, Ryerson University, Computer Science Dept. • <i>Digital Computation and Programming</i> Winter 2009, Summer 2010 Graduate Teaching Assistant, Ryerson University, Computer Science Dept. • <i>Digital Computation and Programming</i> Winter 2010 Graduate Teaching Assistant Conducting Tutorials, Ryerson University, Computer Science Dept. • <i>Computer Organization I</i> Fall 2009 Graduate Teaching Assistant, Ryerson University, Computer Science Dept. • <i>ICDL Skills</i> Summer 2007 Instructor, Pouyesh Bargh Institute. • <i>Advanced Programming</i> Fall 2006 Teaching Assistant, Azad University Parand Campus, Computer Engineering and Science Dept. • <i>Computer Architecture</i> Fall 2006 Teaching Assistant, Azad University Parand Campus, Computer Engineering and Science Dept.
PROFESSIONAL EXPERIENCE	<ul style="list-style-type: none"> • Mehr Baran Co., Tehran, Iran <i>Software designer and Implementation personnel &</i> 2004 - 2006 <i>System model Analyzer</i> <i>Website designer, Volunteer</i> 2005 - 2005 • Sar Elica Co., Tehran, Iran <i>Communication manager</i> 2004 - 2006
LANGUAGES	Farsi (Native), English (Fluent), French (Fair), and Arabic (Familiar)
NON-ACADEMIC INTERESTS	Playing the Piano, Playing the Setar, Culinary Art, Pilates, Swimming, Snowboarding, Painting, and Sketching.
REFERENCES	Available Upon Request