

Kate Larson

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Research Interests

Artificial Intelligence, Multiagent Systems, Ecommerce, Game Theory, Automated Negotiation, Coalition Formation, Models of Bounded Rationality, Resource Bounded Reasoning

Academic Positions

Position	Institution	Date
Associate Professor	David R Cheriton School of Computer Science University of Waterloo Waterloo, ON, Canada	2009–present
Assistant Professor	David R Cheriton School of Computer Science University of Waterloo Waterloo, ON, Canada	2004–2009

Education

Degree	Institution	Date	Field
PhD	Carnegie Mellon University, Pittsburgh, PA <i>Mechanism Design for Computationally Bounded Agents</i>	August 2004	Computer Science
M.S.	Washington University, St. Louis, MO Computer Science Department	December 1999	Computer Science
B.S. (Hons)	Memorial University, St. John's, Canada Department of Mathematics and Statistics	May 1997	Mathematics

Awards

Early Researcher Award, Ministry of Research and Innovation, Province of Ontario, 2006-2011.

Publications

Journals

- S. Stein, E. Gerding, A. Rogers, K. Larson and N. Jennings, 2011, Algorithms and mechanisms for procuring services with uncertain durations using redundancy, *Artificial Intelligence*, 175 (14-15), pp. 2021-2060.
- J. Zhang, R. Cohen and K. Larson, 2011, Combining trust modeling and mechanism design for promoting honesty in e-marketplaces, *Computational Intelligence*, Accepted, to appear.
- I. Rahwan and K. Larson, 2011, Logical mechanism design, *Knowledge Engineering Review*, 26:1, pp. 61–69.
- K. Larson and T. Sandholm, 2001, Bargaining with limited computation: Deliberation equilibrium, *Artificial Intelligence*, 132(2), pp.183-217.
- K. Larson, and T. Sandholm, 2000, Anytime coalition structure generation: An average case study. *Journal of Experimental and Theoretical Artificial Intelligence*, (12), 23–42.
- T. Sandholm, K. Larson, M. Andersson, O. Shehory, and F. Tohme, 1999. Anytime coalition structure generation with worst case guarantees. *Artificial Intelligence*. (111)1–2, 209–238.

Refereed Conferences

- S. Branzei and K. Larson, 2011, Social Distance Games, *Twenty-second International Joint Conference on Artificial Intelligence (IJCAI 2011)*, Barcelona, Spain, July 2011. An early version will appear as a short paper in the *Tenth Conference on Autonomous Agents and Multiagent Systems (AAMAS 2011)*.
- A. Carvalho and K. Larson, 2011, A Truth Serum for Sharing Rewards, *Tenth Conference on Autonomous Agents and Multiagent Systems (AAMAS 2011)*, Taipei, Taiwan, May 2011.
- G. Hines and K. Larson, 2011, Efficiently eliciting preferences from a group of users, *Second International Conference on Algorithmic Decision Theory (ADT'11)*, Rutgers, NJ, October 2011. A preliminary version was presented at the *2011 AAAI Workshop on Interactive Decision Theory and Game Theory*
- G. Hines and K. Larson, 2010, Preference Elicitation for Risky Prospects, *Ninth Conference on Autonomous Agents and Multiagent Systems (AAMAS 2010)*, pp. 889-896, Toronto, May 2010.
- Z. Rabinovich, L. Dufton, K. Larson, and N. Jennings, 2010, Cultivating Desired Behavior: Policy Teaching Via Environment-Dynamics Tweaks, *Ninth Conference on Autonomous Agents and Multiagent Systems (AAMAS 2010)*, pp. 1097–1104, Toronto, May 2010.
- S. Stein, E. Gerding, A. Rogers, K. Larson, N. Jennings, 2010, Scalable Mechanism Design for the Procurement of Services with Uncertain Durations, *Ninth Conference on Autonomous Agents and Multiagent Systems (AAMAS 2010)*, pp. 649–656, Toronto, May 2010.

- A. Carvalho and K. Larson, 2010, Sharing a Reward Based on Peer Evaluations, *Ninth Conference on Autonomous Agents and Multiagent Systems (AAMAS 2010)*, pp. 1455–1456, Toronto, May 2010 (short paper).
- D. Loker and K. Larson, 2010, Parameterizing the Winner Determination Problem for Combinatorial Auctions, *Ninth Conference on Autonomous Agents and Multiagent Systems (AAMAS 2010)*, pp. 1483–1484, Toronto, May 2010 (short paper).
- D. Loker and K. Larson, 2010, An Investigation of Representations of Combinatorial Auctions, *Ninth Conference on Autonomous Agents and Multiagent Systems (AAMAS 2010)*, pp. 1481–1482, Toronto, May 2010 (short paper).
- S. Pan, K. Larson, and I. Rahwan, 2010, Argumentation mechanism design for preferred semantics, *Third International Conference on Computational Models of Argument (COMMA 2010)*, Desenzano del Garda, Italy, September 2010.
- M. Macko, K. Larson, and L. Steskal, 2010, Braess’s paradox for flows over time, *Third International Symposium on Algorithmic Game Theory (SAGT 2010)*, Athens, Greece, October 2010.
- I. Rahwan, K. Larson and F. Tohme, 2009, Characterisation of Strategy-Proofness for Grounded Semantics, *Twenty-first International Joint Conference on Artificial Intelligence (IJCAI 2009)*, pp. 251–256, Pasadena, USA, July 2009.
- S. Branzei and K. Larson, 2009, Coalitional Affinity Games and the Stability Gap, *Twenty-first International Joint Conference on Artificial Intelligence (IJCAI 2009)*, pp. 79–84, Pasadena, USA, July 2009.
- G. Kastidou, K. Larson, and R. Cohen, 2009, Exchanging Reputation Information Between Communities: A Payment-Function Approach, *Twenty-first International Joint Conference on Artificial Intelligence (IJCAI 2009)*, pp. 195–200, Pasadena, USA, July 2009.
- S. Stein, E. Gerding, A. Rogers, K. Larson and N. Jennings, 2009, Flexible Procurement of Services with Uncertain Deadlines, *Twenty-first International Joint Conference on Artificial Intelligence (IJCAI 2009)*, pp. 292–298, Pasadena, USA, July 2009.
- G. Hines and K. Larson, 2009, Insuring Risk-Averse Agents, *First International Conference on Algorithmic Decision Theory*, pp. 294–305, Venice, October 2009.
- J. Clark, U. Hengartner, and K. Larson, 2009, Not-So Hidden Information: Optimal Contracts for Undue Influence in E2E Voting Systems, , *Second International Conference on E-Voting and Identity*, pp. 1–17, September 2009.
- S. Branzei and K. Larson, Coalitional Affinity Games, 2009, *Eighth International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2009)*, pp. 1319–1320, Budapest, May 2009. (short paper).
- E. Gerding, A. Rogers, K. Larson and N. Jennings, 2009, Mechanism Design for Task Procurement with Flexible Quality of Service, 2009, *Eighth International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2009)*, pp. 1259–1260, Budapest, May 2009. (short paper).

- I. Rahwan and K. Larson, 2008, Pareto Optimality in Abstract Argumentation, *Twenty-Third AAAI Conference on Artificial Intelligence (AAAI-2008)*, pp. 150–155, Chicago, USA, July 2008.
- G. Hines and K. Larson, 2008, Learning When to Take Advice: A Statistical Test for Achieving A Correlated Equilibrium, *Twenty-fourth Conference on Uncertainty in Artificial Intelligence (UAI-2008)*, pp. 274–281, Helsinki, Finland, July 2008.
- I. Rahwan and K. Larson, 2008, Mechanism Design for Abstract Argumentation, *Seventh International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2008)*, pp. 1031–1038, Estoril, Portugal, May 2008.
- G. Hines and K. Larson, 2008, Using adaptive consultation of experts to improve convergence rates in multiagent learning, *Seventh International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2008)*, pp. 1337–1340, Estoril, Portugal, May 2008. (short paper).
- K. Larson, 2006, Reducing costly information acquisition in auctions, *Fifth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS-2006)*, pp. 1167–1174, Hakodate, Japan, May 2006.
- K. Larson and T. Sandholm, 2005, Mechanism design and deliberative agents, *Fourth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS-2005)*, pp. 650–656, Utrecht, The Netherlands, July 2005, pp. 650-656.
- K. Larson and T. Sandholm, 2004, Experiments on deliberation equilibria in auctions, *Third International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS-2004)*, pp. 394–401, New York, July 2004.
- K. Larson and T. Sandholm, 2004, Using performance profile trees to improve deliberation control, *Nineteenth National Conference on Artificial Intelligence (AAAI 2004)*, pp. 73–79, San Jose CA, July 2004.
- K. Larson and T. Sandholm, 2004, Strategic deliberation control and truthful revelation: An impossibility result, *ACM Conference on Electronic Commerce* (short paper), pp. 264–265, New York, June 2004.
- K. Larson and T. Sandholm, 2003, Miscomputing Ratio: The social cost of selfish computing, *Second International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2003)*, pp. 273-280, Melbourne, Australia, July 2003.
- K. Larson and T. Sandholm, 2002, An alternating offers bargaining model for computationally limited agents, *First International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2002)*, pp. 135-142, Bologna, Italy, July 2002.
- K. Larson and T. Sandholm, 2001, Costly valuation computation in auctions, *Eighth Conference on Theoretical Aspects of Rationality and Knowledge (TARK 2001)*, pp. 169-182, Siena, Italy, July 2001.
- K. Larson and T. Sandholm, 2000, Deliberation in equilibrium: Bargaining in computationally complex problems. *Proceedings of the Seventeenth National Conference on Artificial Intelligence (AAAI)*, pp. 48-55, Austin, TX.

- K. Larson and T. Sandholm, 1999, Anytime Coalition Structure Generation: An Average Case Study, *Third International Conference on Autonomous Agents (AGENTS)*, pp. 40-47, Seattle, WA.
- T. Sandholm, K. Larson, M. Andersson, O. Shehory, and F. Tohme, 1998. Anytime coalition structure generation with worst case guarantees. *Proceedings of the Fifteenth National Conference on Artificial Intelligence (AAAI)*, pp 46–53, Madison, WI.

Refereed Workshops

- L. Dufton and K. Larson, 2011, Randomized room assignment-rent division, *IJCAI-2011 Workshop on Social Choice and Artificial Intelligence (WSCAI-2011)*, Barcelona, July 2011.
- L. Dufton and K. Larson, 2009, Multiagent Policy Teaching, *Second International Workshop on Optimisation in Multiagent Systems (OPTMAS 2009)*, Budapest, May 2009.
- G. Kastidou, R. Cohen and K. Larson, 2009, A Graph-based Approach for Promoting Honesty in Community-based Multiagent Systems, *The Eighth Workshop on Coordination, Organizations, Institutions, and Norms in Agent Systems*, Pasadena, CA, July 2009.
- E. Gerding, K. Larson and N. Jennings, 2009, Eliciting Expert Advice in Service-Oriented Computing, *Eleventh International Workshop on Agent-Mediated Electronic Commerce (AMEC 2009)*, Budapest, May 2009.
- K. Larson and I. Rahwan, 2008, Welfare properties of argumentation-based semantics, *Second International Workshop on Computational Social Choice*, Liverpool, UK, September 2008. (COMSOC-2008)
- J. Shew and K. Larson, 2008, The Blind Leading the Blind: A Third-Party Model for Bilateral Multi-issue Negotiation under Incomplete Information, *First International Workshop on Agent-based Complex Automated Negotiation (ACAN@AAMAS 2008)*, Estoril, Portugal, May 2008.
- J. Zhang, K. Larson and R. Cohen, 2008, Theoretical Validation and Extended Experimental Support for a Trust-Based Incentive Mechanism for E-Marketplaces, *Eleventh International Workshop on Trust in Agent Societies*, Estoril, Portugal, May 2008. Extended version appeared in *Lecture Notes in Computer Science 5396*, Springer, pp. 135–161 2008.
- Y. Zhang and K. Larson, 2007, Reducing interaction cost: A mechanism design approach, *Agent Mediated Electronic Commerce IX*, Honolulu, Hawaii, May 2007. Extended version appeared in *Lecture Notes in Business Information Processing 14*, pp. 166–181, Springer, 2009.
- Martin Karsten, Yunfeng Lin, and Kate Larson, 2005, Incentive-compatible differentiated scheduling, *Fourth Workshop on Hot Topics in Networks (HotNets-IV)*, College Park, MD, November 2005.
- Shahram Esmailsabzali and Kate Larson, 2005, Service allocation for composite web services based on quality attributes, *The First IEEE International Workshop on Service Oriented Solutions for Cooperative Organizations (SoS4CO '05)*, Munich, Germany, July 2005, pp. 71–79.

Other Refereed Publications and Book Chapters

- I. Rahwan and K. Larson, 2009, *Argumentation and Game Theory*. In I. Rahwan and G. R. Simari (Eds.) *Argumentation in Artificial Intelligence*, Springer.
- E. Fourquet, K. Larson, W. Cowan, 2006, A reputation mechanism for layered communities, *SIGecom Exchanges*, Vol 6.1, pp. 11-22, June 2006.

Technical Reports and Thesis

- M. Lerman and K. Larson, 2007, Internalization on the Toronto Stock Exchange, Cheriton School of Computer Science, University of Waterloo technical report CS-2007-45.
- G. Hines and K. Larson, 2007, Improving Convergence Rates in Multiagent Learning Through Experts and Adaptive Consultation, Cheriton School of Computer Science, University of Waterloo technical report CS-2007-24.
- K. Larson, Mechanism design for computationally-limited agents, PhD Thesis, Computer Science Department, Carnegie Mellon University, August 2004. Available as technical report CMU-04-152.

Invited Talks and Panels

Panels

- The Future of AI: Visions of 2020*, Canadian Artificial Intelligence Conference, Windsor, Ontario, May 2008. (Other panelists were Greg Dudek (McGill University) and Jonathan Schaeffer (University of Alberta)).
- Perspectives on Argumentation Strategies*, Fifth International Workshop on Argumentation in Multi-Agent Systems (ArgMAS 2008), Estoril, Portugal, May 2008. (Other panelists were Jan Albert van Laar (University of Groningen, The Netherlands) and Simon Parsons (City University of New York)).

Invited Seminars

- Strategic Behavior in Argumentation*, STIET Seminar, Wayne State University, December 2009.
- Mechanism Design for Abstract Argumentation*, University of Southampton, Southampton, UK, April 2008.
- Electronic Market Design: At the Intersection of Computer Science and Microeconomics*, British University in Dubai/Tejari Joint Lecture, Dubai, UAE, July 2007.
- Costly Information Acquisition in Auctions*, Decision Science Seminar, University of Waterloo, March 2007.
- When Game Theory and Computer Science Meet*, David R Cheriton School of Computer Science Faculty Lecture Series, September 2006.

Game Theory Meets Computer Science, Women in Math Winter Speaker, University of Waterloo, March 2005.

Mechanism Design for Computationally Limited Agents, presented at McGill University, University of Waterloo, University of Minnesota, University of Maryland, Princeton University, Georgia Institute of Technology, Winter 2004. (Job Talk)

Invited Talks at Workshops and Conferences

Learning When To Take Advice: A Statistical Test for Achieving a Correlated Equilibrium, Bellairs Workshop on Algorithmic Game Theory, March 2009.

Reducing Costly Information Acquisition in Auctions, INFORMS Annual Meeting, Seattle, WA, November 2007.

Reducing Costly Information Acquisition in Auctions, Dagstuhl Seminar on Computational Social Systems and the Internet, July 2007.

Reducing Costly Information Acquisition in Auctions, DIMACS Workshop on Auctions with Transaction Costs, Rutgers University, March 2007.

Mechanism Design with Limited Information, Workshop on Optimization and Algorithmic Game Theory, Montreal, August 2006.

Mechanism Design and Deliberative Agents, Dagstuhl Seminar on Internet Economics, Germany, March 2006.

Mechanism Design and Deliberative Agents, DIMACS Workshop on Bounded Rationality, Rutgers University, New Jersey, January 31- Feb 1, 2005.

Strategic Information Acquisition and Auctions, Aladdin Workshop on Auction Theory and Practice, Carnegie Mellon University, November 7-8, 2003.

Bidding Agents with Hard Valuation Problems, INFORMS Annual Meeting, Atlanta, GA, October 2003.

Equilibrium Strategies for Bidders with Hard Valuation Problems. Dagstuhl Workshop on Electronic Market Design, Germany, June 2002.

Equilibrium Strategies for Bidders with Hard Valuation Problems. Stanford Institute for Theoretical Economics (SITE) Workshop on The Economics of the Internet. Stanford University, June, 2002.

Other Presentations

Mechanism Design for Abstract Argumentation, The Third World Congress of the Game Theory Society (Games 2008), Evanston, IL, July 2008.

Strategic deliberation and truthful revelation: An impossibility result, The Second World Congress of the Game Theory Society (Games 2004,) Marseille, France, July 2004.

Grant Record

Year	Amount	Granting Agency
2008-2013	\$24,500 per year	Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant
2006-2011	\$150,000	Ministry of Research and Innovation, Province of Ontario Early Research Award (also listed under Awards)
2006-2010	\$957, 758	Canadian Foundation for Innovation (CFI) New Opportunities Grant (PI: Kevin Hare)
2007	\$10,000	TD Newcrest
2007	\$13,500	Ontario Centres of Excellence Interact Grant
2005-2008	\$24,000 per year	Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant

Teaching Activities

Graduate Courses

Semester	Title	Class Size
Winter 2010	Multiagent Systems (CS 798)	17
Fall 2008	Multiagent Systems (CS 886)	21
Fall 2006	Game-theoretic Methods for Computer Science (CS 886)	21
Winter 2006	Multiagent Systems (CS 886)	22
Fall 2004	Electronic Market Design (CS 886)	13

Undergraduate Courses

Semester	Title	Class Size
Fall 2009	Elementary Algorithm Design and Data Abstraction (CS 136)	154
Winter 2009	Elementary Algorithm Design and Data Abstraction (CS 136)	49
Winter 2009	Introduction to Artificial Intelligence (CS 486/686)	51
Winter 2009	Readings in Computer Science (CS499R)	1
Winter 2008	Readings in Computer Science (CS499R)	1
Fall 2007	Introduction to Artificial Intelligence (CS486/686)	94
Winter 2007	Introduction to Artificial Intelligence (CS 486/686)	80
Winter 2006	Introduction to Artificial Intelligence (CS 486/686)	71
Winter 2005	Introduction to Artificial Intelligence (CS 486/686)	103

Thesis Supervision

Current Students

Name	Program	Supervision Period	Thesis Title
Lachlan Dufton	PhD	2008-	Randomisation in Computational Social Choice
Arthur Carvalho	PhD	2010-	To Be Determined
Alan Tsang	PhD	2011-	To Be Determined
Yuxin Yu	MMath	2009-	Dynamic Mechanisms for Agents with Restricted Allocation
David Steiner*	MMath	2009-	Computing Blocking Sets

*David Steiner is co-supervised with Prof. Jochen Koenemann of the Department of Combinatorics and Optimization, University of Waterloo.

Graduated Students

Name	Program	Supervision Period	Thesis Title
Greg Hines	PhD	2007-2011	A Study in Preference Elicitation under Uncertainty
Simina Branzei	MMath	2010-2011	Contributions to Network Formation and Matching Games
Georgia Kastidou*	PhD	2009- 2010	Trust-based Incentive Mechanisms for Community-based Multiagent Systems
Arthur Carvalho	MMath	2009-2010	Sharing Rewards Based on Subjective Opinions
Derek Wang	MMath	2008- 2010	Matching Rules and Market Share in an Electronic Trading Platform
James Shew	MMath	2006-2008	Guidance Under Uncertainty: Employing a Mediator Framework in Bilateral Incomplete-Information Negotiations
David Loker**	MMath	2007	Representations and Parameterizations of Combinatorial Auctions
Yunqi Zhang	MMath	2006-2007	Reducing Communication Cost: A Mechanism Design Approach
Greg Hines	MMath	2005-2007	Improving Convergence Rates in Multiagent Learning Through Experts and Adaptive Consultation

* Georgia Kastidou was co-supervised with Prof. Robin Cohen of the David R. Cheriton School of Computer Science, University of Waterloo.

**David Loker was co-supervised with Prof. Naomi Nishimura of the David R. Cheriton School of Computer Science, University of Waterloo.

Other Student Supervision

Graduate Students

Martin Macko, Visiting Student from Comenius University, Slovakia, 2009

Michael Lerman, MMath (Essay), Internalization on the TSX, 2007

Frederick Asselin, Visiting Student from University of Laval, 2006

Undergraduate Students

Shengying Pan, NSERC Undergraduate Research Assistant, 2009

Ryan Schimpel, NSERC Undergraduate Research Assistant, 2008

Simina Branzei, Undergraduate Research Assistant, 2008

Martin Kiefel, Studienarbeit, Exchange Student from Universitaet Karlsruhe, 2008

Tyler Lu, Undergraduate Research, 2007

Alexander Radke, Studienarbeit, Exchange Student from Universitaet Mannheim, 2006

Jordan Stinson, Undergraduate Research Assistant, 2006

Thesis Examination

Graduated Students

Year	Name	Degree	University
2009	Jie Zhang	PhD	University of Waterloo (Computer Science)
2009	Jamshid Abouei	PhD	University of Waterloo (Electrical and Computer Engineering)
2007	Dimitri Mostinski	MMath	University of Waterloo (Computer Science)
2007	Michael Jiang	MASc	University of Waterloo (Electrical and Computer Engineering)
2007	David Wheatley	MMath	University of Waterloo (Combinatorics and Optimization)
2007	Reid Kerr	MMath	University of Waterloo (Computer Science)
2006	Kevin Regan	MMath	University of Waterloo (Computer Science)
2005	Michael Yu-Kae Cheng	MMath	University of Waterloo (Computer Science)

Comprehensive Exams/Stage II/Thesis Proposal

Year	Name	Degree	University
2010	Reid Kerr	PhD	University of Waterloo (Computer Science)
2007	Georgia Kastidou	PhD	University of Waterloo (Computer Science)
2007	Jie Zhang	PhD	University of Waterloo (Computer Science)
2006	Jamshid Abouei	PhD	University of Waterloo (Electrical and Computer Engineering)

Service

Committees

Cheriton School of Computer Science

Period	Name	Role
2009-2010	Awards Committee	Member
2009-2010	TA Assignment Committee	Member
2009-2010	Undergraduate Recruiting Committee	Member
2009-2010	Women in Computer Science Committee	Member
2008- 2009	Outreach Committee	Member
2007-2008	Undergraduate Academic Plans Committee	Member
2007-2008	Women in Computer Science Committee	Member
2007-2008	Teaching Assistants Committee	Member
2007	Instructional Support Group Hiring Committee	Member
2005-2007	Undergraduate Recruiting Committee	Member
2005-2006	Undergraduate Academic Plans Committee	Member
2004-2006	Web Committee	Member

Faculty of Mathematics, University of Waterloo

Period	Name	Role
2007-2010	Centre for Education in Mathematics and Computing	Board Member
2006-2008	Women in Mathematics Committee	CS Representative

University of Waterloo

Period	Name	Role
2009-2010	Senate	Faculty of Math Representative
2009-2010	Senate Nominating Committee for Honorary Degrees	Member

Other Continuing Service

Period	Position
2007-2010	Graduate Advocate Cheriton School of Computer Science University of Waterloo

The graduate advocate is a faculty member who interacts with graduate students on matters that the student feels they can not discuss with their advisor or the Graduate Director, or if students feel that they are not being fairly treated.

Other Service: Outreach

Date	Service
Winter 2008	Presentation at McQuarrie/The Enrichment Centre (elementary school students)
Winter 2008	Seminar for Grand Valley Teachers Association
Winter 2008	Seminar to visiting highschool students from St. John's-Kilmarnock
Winter 2008	Seminar to visiting highschool students from Vincent Massey High School (Windsor, ON) , Organized by the CEMC
Winter 2008 and 2007	Volunteer at the University of Waterloo's Women in Math Day
Fall 2007	Speaker at CS4U@UWaterloo, an event held at the University of Waterloo for middle- and high-school students
Summer 2007	Speaker at the Imperial Oil Seminar in Computer Science for Young Women, University of Waterloo

Other Service: General

Date	Service
Fall 2008 and 2009	Panel member during Graduate Student Orientation
Winter 2008	Hosted Cheriton School of Computer Science Distinguished Speaker, Manuela Veloso
Winter 2008	Member of Faculty Roundtable for Bill Gate's Visit to the University of Waterloo
Winter 2008	Faculty Attendee for <i>Academic Career Meets Like Luncheon</i> , hosted by the Graduate Student Association's Standing Committee on Women's Issues
Numerous Times since Fall 2004	Volunteer at various open houses and undergraduate recruiting events, including UW Day, University of Waterloo Open House, Faculty of Mathematics Phone-a-thon and the Ontario Universities Fair

Professional Activities

Councilor and Board of Directors Membership

Councilor of the AAAI, 2011-2014.

Member of the International Foundation for Autonomous Agents and Multiagent Systems (IFAA-MAS) Board of Directors, 2010-2016.

Member of the Association of Trading Agents Research Board of Directors, 2010-2012.

Conference and Workshop Organization

Member of the Organizing Committee of the Ninth International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2010), Tutorials Chair.

Program Chair of the 2010 Workshop on Trading Agent Design and Analysis (TADA 2010)

Organizing Committee for the First Workshop on Cooperative Games in Multiagent Systems (Coop-MAS 2010)

Member of the Organizing Committee of the Sixth International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2007), Doctoral Mentoring Co-Chair.

Program Committees

Senior Program Committee

Twenty-second International Joint Conference on Artificial Intelligence (IJCAI 2011)

International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2011, AAMAS 2008, AAMAS 2006)

Twenty-fourth Conference on Artificial Intelligence (AAAI 2010)

Program Committees

International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2010, 2009, 2005, 2004, 2003, 2002)

National Conference on Artificial Intelligence (AAAI 2011, 2008, 2007, 2006)

International Joint Conference on Artificial Intelligence (IJCAI 2009)

ACM Conference on Electronic Commerce (EC 2011, 2010, 2006, 2005)

Canadian Conference on Artificial Intelligence (AI 2009, 2008, 2007, 2006)

Workshop on Trading Agent Design and Analysis (TADA 2009, 2008, 2007)

Workshop on Agent Mediated Electronic Commerce (AMEC 2009, 2008, 2007, 2006, 2005, 2004, 2003)

Workshop on MetaReasoning in Agent-Based Systems (2007)

Workshop on Game-Theoretic and Decision-Theoretic Agents (GTDT 2006, 2005)

International Workshop on Incentive-Based Computing (IBC 2006, 2005)

Editorial Work

Editorial Board: Journal of Autonomous Agents and Multiagent Systems

Editorial Board: Electronic Commerce Research

Editorial Board: Knowledge Engineering Review

Refereeing and reviewing for journals

Artificial Intelligence

Journal of Artificial Intelligence Research

Games and Economic Behavior

ACM Transactions on Internet Technology

Electronic Commerce Research and Applications

Journal of Autonomous Agents and Multiagent Systems

Annals of Mathematics and Artificial Intelligence

Computational Intelligence

Decision Support Systems Journal

Group Decision and Negotiation

Journal of Economic Theory

Machine Learning

Refereeing and reviewing for conferences

These conferences are in addition to the ones listed under Program Committee.

Twenty-Second Annual Conference on Neural Information Processing Systems (NIPS 2008)

ACM Conference on Electronic Commerce (EC 2007)

International Joint Conference on Artificial Intelligence (IJCAI 2007, 2005, 2003)

International Conference on Distributed Computing Systems (ICDS 2006)

European Conference on Artificial Intelligence (ECAI 2006)

Symposium on Foundations of Computer Science (FOCS 2005)

Symposium on Discrete Algorithms (SODA 2005)

Grant Reviewing

Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant program, 2006, 2007, 2008, 2010

Netherlands Organization for Scientific Research (NWO), 2010.

National Science Foundation (NSF), Panelist (IIS), 2008