

Dr. Jamal Bentahar's Resume

Current as of January 01, 2007

Personal Details

Jamal Bentahar, Assistant Professor
Engineer and Ph.D. in Computer Science
Concordia Institute for Information Systems Engineering,
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Date & Place of Birth: 27/05/1976, Nador, Morocco.
Canadian Permanent Resident since 2003 (Canadian Citizenship in progress)

Education

- May 2006- **Scientist Research (NSERC Postdoctoral Fellow)**
July 2006 Computational Logic Laboratory, School of Computing Science, Simon Fraser University, British Columbia, Canada.
- May 2005- **Scientist Research (Postdoctoral Fellow)**
May 2006 Laboratory of Cognitive Computing, Department of Computer Science and Software Engineering, Geomatics Research Center, Laval University, Quebec, Canada.
Agent-Oriented Software Engineering and Geomatics (Specification and Verification)
- September **Ph.D. in Computer Science** under the supervision of Pr. Bernard Moulin.
2001- May Department of Computer Science and Software Engineering, Laval University, Québec, Canada.
2005 Topic: A Unified Framework for the Pragmatics and Semantics of Agent Communication.
Congratulation of the jury for the excellence of the dissertation.
- 1998-2001 **MSc in Computer Science (Architecture of Information Systems and Communication)**

National Engineer School of Computer Science and System Analysis, ENSIAS, Rabat, Morocco.

Topic: Internationalization and Localization of a Web Environment for Distance Evaluation.

1st class honors.

1994-1998 **Engineer in Computer Science (equivalent to a BSc)**

National Institute of Statistics and Applied Economics, INSEA, Rabat, Morocco.

1st class honors.

1991-1994 **French type of Baccalaureate in Sciences (Diploma of College Studies)**

Nador, Morocco.

1st class honors (at the level of the city).

Qualifications

- Experience in teaching, research, and student supervision.
- Publication of several papers in books edited by Kluwer and Springer and in prestigious conferences.
- Experience and good knowledge of software engineering, verification and validation by model checking, computational logics, ontologies and semantic web, semantic grid, mathematical models, formal methods, artificial intelligence, knowledge representation, multi-agent systems, game theory, decision theory, and data bases.
- Ability and willingness to be a proactive team member and to collaborate with researchers from other universities and research centers.
- Accomplishment of the PhD thesis with the congratulations of the jury.
- Communication skills: English (Very Good), French (Excellent), Spanish (Intermediate), Arabic (native)

Current Research Interests

- Software engineering
- Validation and automatic verification (Model Checking)
- Semantic web and semantic grid
- Intelligent agents and multi-agent systems
- Knowledge engineering, reasoning about actions, and reasoning under uncertainty
- Agent communication, argumentation, and ontologies

- Formal methods
- Modal logics (temporal logics, dynamic logic, epistemic logics)

Publications

Thesis

A Unified Framework for the Pragmatics and Semantics of Agent Communication. Mai 2005. Department of Computer Science and Software Engineering, Laval University, Canada.

Jury:

- 1- Bernard Moulin, Laval University (Supervisor)
- 2- Brahim Chaib-draa, Laval University (Co-supervisor)
- 3- Josée Desharnais, Laval University
- 4- Yves Lespérance, York University, Toronto, Canada
- 5- Frank Dignum, Utrecht University, The Netherlands

Journals

- 1) Jamal Bentahar, John-Jules Ch. Meyer, and Bernard Moulin (2007). "**Securing Agent-Oriented Systems: An Argumentation and Reputation-based Approach**". In the International Journal of Web Information Systems (IJWIS) (to appear).
- 2) Jamal Bentahar, Bernard Moulin, and John-Jules Ch. Meyer (2006). "**A Tableau Method for Verifying Dialogue Game Protocols for Agent Communication**". In M. Baldoni, U. Endriss, A. Omicini, P. Torroni editors, *Declarative Agent Languages and Technologies*. Volume 3904 of Lecture Notes in Computer Science, pp. 223-244. Springer.

Book Chapters

- 3) Mohamed Mbarki, Jamal Bentahar, and Bernard Moulin (2007). "**Specification and Complexity of Strategic-based Reasoning using Argumentation**". In N. Maudet, S. Parsons, I. Rahwan editors, *Argumentation in Multi-Agent Systems (ArgMAS 2006)*. Lecture Notes in Artificial Intelligence, Springer (to appear).
- 4) Jamal Bentahar, Bernard Moulin, John-Jules Ch. Meyer, and Yves Lespérance (2007). "**A New Logical Semantics for Agent Communication**". In K. Inoue, K. Satoh, F. Toni editors, *Computational Logic in Multi-Agent Systems*. Volume 4371 of Lecture Notes in Computer Science, pp. 151-170. Springer. (This paper is a selected, revised and extended version of publication number 13).
- 5) Jamal Bentahar, Bernard Moulin, John-Jules Ch. Meyer, and Brahim Chaib-draa (2005). "**A Computational Model for Conversation Policies for Agent Communication**". In J. Leite and P. Torroni editors, *Computational Logic in*

Multi-Agent Systems. Volume 3487 of Lecture Notes in Artificial Intelligence, pp.178-195. Springer. (This paper is a selected, revised and extended version of publication number 17).

- 6) Jamal Bentahar, Bernard Moulin, John-Jules Ch. Meyer and Brahim Chaib-draa (2005). "**A Modal Semantics for an Argumentation-based Pragmatics for Agent Communication**". In I. Rahwan, P. Moraitis and C. Reed editors, *Argumentation in Multi-Agent Systems*. Volume 3366 of Lecture Notes in Artificial Intelligence, pp. 44-63. Springer.
- 7) Jamal Bentahar, Bernard Moulin and Brahim Chaib-draa (2005). "**Specifying and Implementing a Persuasion Dialogue Game using Commitment and Argument Network**". In I. Rahwan, P. Moraitis and C. Reed editors, *Argumentation in Multi-Agent Systems*. Volume 3366 of Lecture Notes in Artificial Intelligence, pp. 130-148. Springer. (This paper is a selected, revised and extended version of publication number 19).
- 8) Jamal Bentahar, Bernard Moulin and Brahim Chaib-draa (2004). "**Commitment and Argument Network: A New Formalism for Agent Communication**". In F. Dignum, editor, *Advances in Agent Communication*. Volume 2922 of Lecture Notes in Artificial Intelligence. pp. 146-165. Springer. (This paper is a selected, revised and extended version of publication number 21).
- 9) Jamal Bentahar, Bernard Moulin and Brahim Chaib-draa. (2004) "**Commitment and Argument Network: a Formal Framework for Representing Conversation Dynamics**". In J. Caelen, D. Vanderveken and D. Vernant editors, *Logic and Dialogue*, the Netherlands, Dordrecht, Kluwer (in press).

Referred Conferences and Workshops

- 10) Jamal Bentahar and John-Jules Ch. Meyer (2007). "**A New Quantitative Trust Model for Negotiating Agents**". In *Proceedings of The First IEEE Conference on Research Challenges in Information Science*. Ouarzazate, Morocco, April 23-26, 2007 (to appear).
- 11) Jamal Bentahar, John-Jules Ch. Meyer, and Bernard Moulin (2007). "**Securing Agent-Oriented Systems: An Argumentation and Reputation-based Approach**". In *Proceedings of the 4th International Conference on Information Technology : New Generations (ITNG 2007)*, IEEE Computer Society. Las Vegas, Nevada, USA, April 2-4, 2007 (to appear).
- 12) Jamal Bentahar, Karim Bouzoubaa, and Bernard Moulin (2006). "**A Computational Framework for Human/Agent Communication Using Argumentation, Implicit Information, and Social Influence**". In *Proceedings of the IEEE/WIC/ACM International Conference on Intelligent Agent Technology, Communication between Human and Artificial Agents*, pp. 372-377. Hong Kong, December 18-22, 2006.

- 13) Jamal Bentahar, Bernard Moulin, John-Jules Ch. Meyer, and Yves Lespérance (2006). "**A New Logical Semantics for Agent Communication**". In *Proceedings of the AAMAS Seventh International Workshop on Computational Logic in Multi-Agent Systems (CLIMA VII)*, pp. 127-143. Hakodate, Japan, May 8-9, 2006.
- 14) Jamal Bentahar, Mohamed Mbarki, and Bernard Moulin (2006). "**Strategic and Tactic Reasoning**". In *Proceedings of the AAMAS Third International Workshop on Argumentation in Multi-Agent Systems (ArgMAS 2006)*, pp. 134-150. Hakodate, Japan, May 8, 2006.
- 15) Mohamed Mbarki, Bernard Moulin, and Jamal Bentahar (2006). "**Towards an Efficient Agent Communication using an Argumentation Relevance Theory**". In *Proceedings of the International Workshop on Agents and Multiagent Systems, from Theory to Application (AMTA'06)*, Québec, Canada, June 06, 2006.
- 16) Jamal Bentahar, Bernard Moulin, and John-Jules Ch. Meyer (2006). "**A New Model Checking Approach for Verifying Agent Communication Protocols**". In *Proceedings of the IEEE Canadian Conference on Electrical and Computer Engineering (CCECE 2006)*, pp. 96-100. Ottawa, May 7-10, 2006.
- 17) Jamal Bentahar, Bernard Moulin, John-Jules Ch. Meyer and Brahim Chaib-draa (2004). "**A Computational Model for Conversation Policies for Agent Communication**". In *Proceedings of the Fifth International Workshop on Computational Logic in Multi-Agent Systems (CLIMA V)*, Lisbon, September 29-30, 2004, pp. 66-81.
- 18) Jamal Bentahar, Bernard Moulin, John-Jules Ch. Meyer and Brahim Chaib-draa (2004). "**A Logical Model for Commitment and Argument Network for Agent Communication (Extended Abstract)**". In *Proceedings of 3rd International Joint Conference on Autonomous Agents and Multi Agent Systems*. New York, NY, USA, July 19-23, 2004, pp. 792-799. ACM Press.
- 19) Jamal Bentahar, Bernard Moulin and Brahim Chaib-draa (2004). "**A Persuasion Dialogue Game based on Commitments and Arguments**". In *Proceedings of AAMAS-04 1st International Workshop on Argumentation in Multi-Agent Systems*, New York, NY, July 19, 2004, pp. 148-164.
- 20) Karim Bouzouba, Jamal Bentahar and Bernard Moulin (2005). "**Dialogization and Implicit Information in an Agent Communication Model**". In R. van Eijk, M.P. Huget and F. Dignum editors, *Developments in Agent Communication*, Volume 3396 of Lecture Notes in Artificial Intelligence, pp. 211-226. Springer. *Proceedings of AAMAS-04 International Workshop on Agent communication*, New York, NY, USA, July 19, 2004.
- 21) Jamal Bentahar, Bernard Moulin and Brahim Chaib-draa (2003). "**Towards a Formal Framework for Conversational Agents**". In *Proceedings of AAMAS 2003 International Workshop on Agent Communication Languages and Conversation Policies*, Melbourne, Australia, July 14, 2003.

- 22) Jamal Bentahar, Bernard Moulin and Brahim Chaib-draa (2003). "**Vers une approche pour la modélisation du dialogue basée sur les engagements et les arguments**". In *Actes des Secondes Journées Francophones Modèles Formels de l'Interaction*, Lille, France, May 20-22, 2003, pp. 19-28.
- 23) Radouane Mrabet and Jamal Bentahar (2002). "**Internationalization of a Distance Exam Web Environment**". In *Proceedings of The Twenty-first International Unicode Conference*, Dublin, Ireland, May 14-17, 2002.

Submitted and in Preparation Papers

- 24) Jamal Bentahar, Bernard Moulin, John-Jules Ch. Meyer, Yves Lespérance and Brahim Chaib-draa (2005). "**A Logical Model for Commitment and Argument Network for Agent Communication**". *Journal of Autonomous Agents and Multi-Agent Systems*, Springer (submitted).
- 25) Jamal Bentahar, Bernard Moulin, John-Jules Ch. Meyer and Girish Bhat (2005). "**On the Verification of Dialogue Game Protocols (A Model Checking Approach)**". *Journal of Annals of Mathematics and Artificial Intelligence*, Springer (in preparation).
- 26) Jamal Bentahar, Bernard Moulin, John-Jules Ch. Meyer and Brahim Chaib-draa (2005). "**Specifying and Implementing Persuasion Dialogue Game protocols**". *Journal of Computational Intelligence*. Blackwell (in preparation).
- 27) Karim Bouzouba, Jamal Bentahar and Bernard Moulin. "**Integrating Pragmatic Aspects in an Agent Communication Model**". *Journal of Computational Intelligence*. Blackwell (Submitted).

Technical Reports

- 28) Jamal Bentahar and Bernard Moulin (2004). "**On the Verification of Dialogue Game Protocols for Communicating Agents (a Model Checking Approach)**". Technical Report, Department of Computer science and Software Engineering, Laval University, DIUL-RR-0403.
- 29) Jamal Bentahar and Bernard Moulin (2005). "**Multi-Agent Systems and Natural Hazards Risk Management**". *Internal Report*.
- 30) Jamal Bentahar and Bernard Moulin (2005). "**Representing Courses of Actions using Argumentation Models**". *Repport for RDDC, Valcartier, W7701-043300/B*.

Honors and Awards

2006: Adjunct Professor at Laval University, Department of Computer Science & Software Engineering.

2006: NSERC postdoctoral fellowship (PDF-329007-2006). Natural Sciences and Engineering Research Council of Canada, \$80,000 over 24 months.

2006: External collaborator within ARGUGRID project (Argumentation as a foundation for the semantic grid) awarded by European Commission (UK, Italy, Spain, Greece and Thailand), FP6-2005-IST-5.

2005: Postdoctoral fellowship offered by GEOIDE (GEOmatics for Informed DEcisions). Canada's Networks of Centres of Excellence, Laval University.

2005: Scholarship of the The Sixth International Workshop on Computational Logic in Multi-Agent Systems (CLIMA VI). City University, London, UK, June 27-29, 2005 (1000 UK Pound).

2005: Congratulation of the Jury for the excellence of the thesis dissertation at Laval University, Department of Computer Science and Software Engineering, Québec, Canada.

2004: Paper selected from the main conference of the 3rd International Joint Conference on Autonomous Agents and Multi Agent Systems (AAMAS'04) (acceptation rate: 24%) to be published in the book "Argumentation in Multi-agent Systems", Springer.

2004: Scholarship of the 3rd International Joint Conference on Autonomous Agents and Multi Agent Systems (AAMAS'04). New York, NY, USA. Selected student paper.

2001-2004: PhD Scholarship (Fonds Québécois de la Recherche sur la Société et la Culture (FQRSC)), Amount = CAN\$55 000.

2001-2003: Tuition Fee Exemption (Government of Canada).

2001: Ranked 1st in Engineering School of Computer Science and System Analysis, University of Mohammed V (ENSIAS, Rabat, Morocco) (MSc).

2000: Ranked 3rd in Engineering School of Computer Science and System Analysis, University of Mohammed V (ENSIAS, Rabat, Morocco).

2000-2001: Graduate scholarship (Government of Morocco).

1997: Ranked 3rd in National Institute of Statistics and Applied Economics (Engineering School, Rabat, Morocco).

1994-1998: Undergraduate scholarship (Government of Morocco).

1994: Ranked 1st at the level of the city (Baccalaureate or Diploma of College Studies, Nador, Morocco).

1991: Ranked 1st at the level of the high school (Diploma of Pre-College Studies, Nador, Morocco).

1991: Finalist of the Olympiads of Mathematics at the regional level (Morocco).

Teaching

- Quality Methodologies for Software (Concordia University, Winter 2007) (Graduate Course)
- Quality Assurance in Supply Chain Management (Concordia University, Winter 2007) (Graduate Course)
- Quality Assurance for Systems Engineering (Concordia University, Fall 2006) (Graduate Course)
- Logics and Proof Techniques (Laval University, Fall 2005) (Auxiliary Teaching).
- Data Structures in Java (Laval University, Winter 2004) (Lecturer).
- Programming in Java (Laval University, Fall 2004) (Lecturer).
- Programming Language C (Laval University, Fall 2003) (Auxiliary Teaching).
- Information Systems Analysis and Design (Laval University, Fall 2003) (Auxiliary Teaching).
- Information Systems Analysis and Design (Laval University, 2002-2003) (Auxiliary Teaching).
- Operating Systems (Laval University, 2003) (Auxiliary Teaching).
- Object-Oriented Design (Laval University, 2002-2003) (Auxiliary Teaching).
- Programming Languages C and C++ (Laval University, 2001-2003) (Auxiliary Teaching).
- Algorithmic (MIAGE Group, Rabat, Morocco, 2000-2001).
- Information Systems Analysis and Design (MIAGE Group, Rabat, Morocco, 2000-2001).

Academic Activities

- **Invitation** by the "Institute of Information & Computing Sciences, Intelligent Systems Group, Utrecht University, The Netherlands". (Prof. John-Jules Meyer). From 1-10-2004 to 26-10-2004.

Talk: A Unified Framework for the Pragmatics and Semantics of Agent Communication. October 2004. The Institute's Seminars on Intelligent Systems (ISIS). Institute of Information & Computing Sciences.

<http://computerscience.nl/people/broersen/ISIS/index.html>

- **Invitation** by the "Department of Computing, Imperial College, London, UK". (Dr. Francesca Toni). From 23-06-2005 to 30-06-2005.

Talk: A Tableau Method for Specifying and Verifying Agent Communication Protocols (A Model Checking Technique). 24 June 2005.

- Member of Agentlink Argumentation Interchange Format Technical Forum 2005. The objective of this Agentlink forum group is to propose a first cut agreed notation or "Interchange Format" for argumentation and arguments which might be used as a convergence point for theoretical and practical work on argumentation technology.
<http://www.x-opennet.org/aif/index.php>
- Organization of a seminar on Multi-Agent Systems at the Department of Computer Science and Software Engineering, Laval University. Two renowned speakers have participated in this seminar: Frank Dignum, from Utrecht University, The Netherlands and Yves Lespérance from York University, Canada.
<http://w3.ift.ulaval.ca/~jaben26/Seminar2005.html>
- **Supervision** of Master and Ph.D. students at Concordia University, and **Co-supervision** of a Ph.D. student at Laval University, Department of Computer Science and Software Engineering with Prof. Bernard Moulin.
- **Invitation** by the "Télé-Université", University of Québec, Canada. From 04-01-2001 to 20-01-2001. The study of Télé-Université's e-learning environment.
- **Seminar** at National Engineer School of Computer Science and System Analysis, ENSIAS, Rabat, Morocco, 1999. W3C and software engineering Internationalization.
- **Seminar** at National Engineer School of Computer Science and System Analysis, ENSIAS, Rabat, Morocco, 2000. W3C and software engineering Internationalization.

Research Projects

- A trustworthiness-based security model for negotiating agents. Project funded by NSERC (postdoctoral fellowship within the School of Computing Science, Simon Fraser University).

Role: Principal investigator

- A security model for e-science. Project in preparation for EPSRC proposal within the e-science program (security research for e-science, UK).

Role: Principal investigator with Dr. Francesca Toni, Imperial College, London, UK.

- Multi-agent coordination with reinforcement learning. Project funded by Defence Research and Development Canada – Valcartier, January 2006 – June 2006.

Role: Investigator with Pr. Bernard Moulin and NSIM Technology (private company).

- National hazard risk management and multi-agent systems. GEOIDE (GEOmatics for Informed DEcisions). Canada's Networks of Centres of Excellence.

Role: Principal investigator with Pr. Bernard Moulin.

- Evaluation of argumentation models as means of knowledge representation for critiquing a course of actions (Laval University, Contract from Defence Research and Development Canada – Valcartier, January 2005 – June 2005).

Role: Principal investigator with Pr. Bernard Moulin.

- Model checking of an Agent Programming Language (with John-Jules Ch. Meyer, Mehdi Dastani, Broersen Jan and Van Riemsdijk from Utrecht University, Intelligent Systems Group, the Netherlands, 2004-2005).

Role: Specification and implementation of a model checking technique for the verification of an agent programming language called 3APL.

- Logic of speech, towards the elaboration of a theory of communication and coordination in artificial intelligence (Laval University, University of Montréal, college of Maisonneuve, University of Québec at Trois-Rivières, Québec, Canada, 2001-2004).

Role: Specification and computational analysis of a framework for agent communication.

- Internationalization of an e-learning environment (Télé-Université, Québec, Canada, ENSIAS, Morocco, 2001).

Role: Study of the feasibility of the internationalization (multilingualism) of an e-learning environment.

- Internationalization and Localization of Exam Distance Learning Environment (EDILE, E-learning laboratory at Engineering School of Computer Science and System Analysis ENSIAS, Morocco, 2000-2001).

Role: Specification and implementation of a multilingual architecture of a web environment for distance exam.

Research Funding (I participated in the following projects)

Dates	Funding Body	Grant Title	Main Investigators	Value
2001-2004	Fonds Québécois de la Recherche sur la Société et la Culture (FQRSC)	Logic of speech, towards the elaboration of a theory of communication and coordination in artificial intelligence	D. Vanderveken, University of Québec at Trois-Rivières. B. Moulin, Laval University. B. Chaib-draa, Laval University. Y. Gauthier, University of Montréal.	\$CAN 69 500 / year

			M. Paquette Collège de Maisonneuve, Montréal. J. Bentahar, Laval University.	
2005 (5 months)	Defence Research and Development Canada – Valcartier	Evaluation of argumentation models as means of knowledge representation for critiquing action sequences	B. Moulin, Laval University. J. Bentahar, Laval University.	\$CAN 40 000
2006 (6 months)	Defence Research and Development Canada – Valcartier	Multi-agent coordination with reinforcement learning	B. Moulin, Laval University. J. Bentahar, Laval University. J. Perron, NSIM Technology.	\$CAN 50 000
2006-2008	Natural Sciences and Engineering Research Council of Canada (NSERC)	Security model for negotiating agents	J. Bentahar	\$CAN 80 000
2006-2010	Fonds Québécois de la Recherche sur la Société et la Culture (FQRSC)	Logic of speech, towards the elaboration of a theory of communication and coordination in artificial intelligence	I am an external collaborator in this project	\$CAN 404 447

Conferences and Workshops Reviewing

- PC member of the International Workshop on Service-Oriented Computing: Agents, Semantics and Engineering (**SOCASE 2007**) in conjunction with the International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2007).
- PC member of International Workshop on Argumentation in Multi-Agent Systems (**ArgMAS 2005**, **ArgMAS 2006**, **ArgMAS 2007**) in conjunction with the International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS).

- PC member of the First IEEE International Workshop on Cooperative Distributed Systems (**CDS'07**) in conjunction with The 27th International Conference on Distributed Computing Systems ICDCS 2007. Jun 25-29, 2007, Westin Harbour Castle, Toronto, Canada.
- Steering committee member of the International Workshop on Agents and Multiagent Systems: From Theory to Application (**AMTA'06**). In conjunction with The Canadian Conference on Artificial Intelligence. Jun 5-6, 2006, Quebec City, Canada.
- PC member of the International Workshop on Agent Communication (**AC2005, AC2006**) in conjunction with the International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS).
- PC member of the International Workshop on Computational Logic in Multi-Agent Systems (**CLIMA VI**, Post-Proceedings).
- External reviewer of 15^e Congrès Francophone AFRIF-AFIA Reconnaissance des Formes et Intelligence Artificielle (**RFIA 2006**). January 25-27, 2006, Tours, France.
- External reviewer of International Workshop on Agent Communication (**AC2004**) in conjunction with the Third International Joint Conference on Autonomous Agents and Multi Agent Systems. July 19, 2004, Columbia University, NY, USA.
- External reviewer of Journées Francophones sur les Systèmes Multi-Agents (**JFSMA 2004**). Paris November 24-26, 2004.
- External reviewer of The Seventh Pacific Rim International Workshop on Multi-Agents (**PRIMA2004**) in conjunction with The 8th Pacific Rim International Conference on Artificial Intelligence (PRICAI-04). August 8-13, 2004, Auckland, New Zealand.
- External reviewer of The Second International Workshop On Collaboration Agents: Autonomous Agents for Collaborative Environments(**AACE 2004**) in conjunction with the 2004 IEEE / WIC / ACM International Conference on Web Intelligence / Intelligent Agent Technology. September 20, 2004, Beijing, China.
- Journal Reviewing: **INFORMS Journal on Computing**, 2006.

Collaborations

Utrecht University. Institute of Information and Computing Sciences, Intelligent Systems Group, Utrecht, The Netherlands

- John-Jules Ch. Meyer
- Frank Dignum
- Mehdi Dastani
- Henry Prakken
- Vreeswijk Gerard

York University, Department of Computer Science, Toronto, Canada

- Yves Lespérance

Imperial College, Department of Computing, London, UK

- Francesca Toni

British University in Dubai, Department of Information Systems, Dubai, UAE

- Iyad Rahwan

State University of New York at Stony Brook, Department of Computer Science, Stony Brook, NY, USA

- Rance Cleaveland

Institut de Recherche en Informatique de Toulouse, Toulouse, France

- Leila Amgoud

Cosine Communication, Inc. Redwood City, CA, USA

- Girish S. Bhat

University of Quebec at Trois-Rivières, Department of Philosophy, Trois-Rivières, (Quebec) Canada

- Daniel Vanderveken

University of Quebec at Trois-Rivières, Department of Computer Science, Trois-Rivières, (Quebec) Canada

- Sylvain Delisle

University Mohammed V, Rabat, Morocco

- Karim Bouzouba

Simon Fraser University, School of Computing Science, BC, Canada

- James P. Delgrande

Zayd University, College of Information Systems, Dubai Campus, UAE

- Zakaria Maamar

University of Namur, Department of Business Administration, Belgium

- Philippe Thiran

University of Claude Bernard Lyon 1, LIRIS Laboratory, France

- Djamel Benslimane

Defence Research and Development Canada, Valcartier

- Alain Auger
- Jean Berger

- Micheline Belanger

Professional Experience

- Research associate at the Department of Computer Science and Software Engineering, Laval University (from May 2005)
- Research professional at the Department of Computer Science and Software Engineering, Laval University (January – May 2005)
- Research professional at the National Engineer School of Computer Science and System Analysis, ENSIAS, Rabat, Morocco (December 2000 – July 2001)
- Project head at the municipality of Nador city, Morocco (June – October 1998)
- Trainee at the General Accounting Office of Morocco, (January – Juin 1998)

Professional Memberships

- Member, the Institute of Electrical and Electronics Engineers, Inc (**IEEE**)
- Member, Association for Computing Machinery (**ACM**)
- Member, Research Center for Geomatics (**CRG**)
- Member, Association of Graduates of Laval University (**ADUL**)

Skills

- Programming Languages: C, C++, Java, JavaScript, ASP, PHP, Visual Basic, Jade and Jack (for the development of multi-agent systems), SQL, SQL*Plus and PLSQL (Oracle/Developer2000), Lisp, Prolog.
- Databases and Software Tools: Oracle, SQL Server, Access, Rational Rose, Maple, MatLab, Excel, MapInfo and Geomedia (GIS), tools of office automation.
- Model Checking Tools: Spin, SMV, UPPAAL
- Languages and Design Methods: UML, AUML, Data Flow Diagrams, Merise, Petri Nets, State Machines, Neural Network.
- Client-Server, TCP/IP, IPv6, Network Architectures, Network Cabling.

Languages

- French (fluent)
- English (advanced)
- Arabic (native)

Interests

- Sport: tennis, cycling, swimming, and chess game
- Reading: politics, history, philosophy
- Classical music and international cinema.

Referees

Prof. Bernard Moulin,
Laval University,
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and Software Engineering,
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