

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,
Concordia University,
1515 Ste-Catherine Street West, EV7.630,
Montreal, Quebec, Canada, H3G 2W1.
Ph: 1 (514) 848-2424 Extension 5382
Fax: 1 (514) 848-3171
Email: bentahar@ciise.concordia.ca
Home Page: <http://www.ciise.concordia.ca/content/people/Bentahar.html>

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

- Djamal 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,
Department of Computer Science
and Software Engineering,
Pavillon Pouliot, Ste Foy QC G1K 7P4,
Canada
Ph: (+1) 418 - 656 5580
Fax: (+1) 418 - 656 2324
Email: bernard.moulin@ift.ulaval.ca

Prof. John Jules Ch. Meyer
Utrecht University,
Institute of Information and Computing
Sciences, Intelligent Systems Group,
PO Box 80.089, 3508TB Utrecht,
The Netherlands
Ph: +31 (30) 253 4117
Fax: +31 (30) 251 3791
Email: jj@cs.uu.nl

Dr. Josée Desharnais
Laval University,
Department of Computer Science
and Software Engineering,
Pavillon Pouliot, Ste Foy QC G1K 7P4,
Canada
Ph: (+1) 418 - 656 5424
Fax: (+1) 418 - 656 2324
Email: Josee.Desharnais@ift.ulaval.ca

Dr. Frank Dignum,
Utrecht University,
Institute of Information and Computing
Sciences, Intelligent Systems Group,
PO Box 80.089, 3508TB Utrecht,
The Netherlands
Ph: +31 (30) 253 9109
Fax: +31 (30) 251 3791
Email: dignum@cs.uu.nl

Prof. Yves Lespérance,
York University,
Department of Computer Science,
4700 Keele Street, Toronto, ON, M3J 1P3,
Canada
Ph: (+1) 416 - 736 2100, ext. 70146
Fax: (+1) 416 - 736 5872
Email: lesperan@cs.yorku.ca