

Curriculum Vitae

Philippe Pasquier

Note: this document is divided into two main parts. The first one covers the scientific dimension of my scholarly work while the second one (starting page 13) addresses the artistic dimension of my practice. This divide, introduced to facilitate reading, is somewhat artificial as these are often in synergy.

Personal Data

Current address

School of Interactive Arts and technology (SIAT),
Faculty of Applied Sciences,
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Citizenship

French, Canadian (permanent resident)

Languages

French, English

Current Position

Assistant Professor (School of Interactive Art and
Technology, Simon Fraser University)

Academic Qualifications

- 2001-2005 **Ph.D. DAMAS** [*Dialogue, Agent and Multi-Agents Systems*] Laboratory, Department of Computer Science and Software Engineering, Laval University, Québec, Canada.
Fields: Artificial Intelligence and Cognitive Sciences
Thesis: Modélisation des aspects cognitifs des dialogues entre agents.
Supervisor: Prof. Brahim Chaib-draa
Date: defended on the 30th of June 2005.
Keywords: multi-agent systems, communication, social commitments, pragmatics, cognitive coherence, dialogue modelling.
Graduate Courses: Machine Learning, Multi-agent Systems, Readings in Social Psychology
- 2000-2001 **DEA (M.Sc.) SUPAERO** [*Aerospace Industry College*], UPS [*Paul Sabatier University*], ENSEEIHT [*Superior National School of Electrotechnics, Electronics, Data processing, Hydraulics and Telecommunications*], Toulouse, France.
Field: Artificial Intelligence: Knowledge Representation and Reasoning Formalization
Thesis: Conflict and Uncertainty in Artificial Intelligence
Supervisor: Prof. Catherine Tessier
Graduate Courses: Intensive program in Classical and Non-Monotonic Logics (6 half-year courses), Agent Technology, Computational Linguistics, Decision Theory, Complexity.
With distinction.
- 1999-2000 **Master's Degree**, Nantes Science University, France.
Computer science with a specialization in Computational Linguistics.
- 1998-1999 **Bachelor's Degree**, UCL (*Louvain-la-Neuve Catholic University*), Belgium.
Computer science (B.Sc. Erasmus), with a specialization in Computer Graphics.
With distinction (major).
- 1995-1997 **DEUG MIAS**, Nantes Science Faculty, France
Applied Mathematics and Computer Science.

Employment

Academic and Research Experience

- 2008-present **Assistant Professor.** *School of Interactive Art and Technology*, Simon Fraser University, Vancouver, Canada.
- 2007-2009 **Honorary Fellow.** *Intelligent Agent Laboratory*, Department of Information Systems, University of Melbourne, Australia.
- 2005-2007 **Research Fellow.** (Grade 2). *Intelligent Agent Laboratory*, Department of Information Systems, University of Melbourne, Australia.
Supervisor: Prof. Liz Sonenberg
Project: Interest-Based Negotiation, with Dr. Frank Dignum and Dr. Iyad Rahwan.
Interest-based negotiation improves classical models of automated negotiation by allowing the agents to exchange information about their underlying interests.
- 2001-2005 **Research Assistant.** *DAMAS Laboratory*, Laval University, Québec, Canada.
Supervisor: Prof. Brahim Chaib-draa
Project: Dialogue between artificial agents
Project investigating the theoretical and practical aspects of the syntax, the semantics and the pragmatics of agent communication.
- 1999-2000 **Research Assistant.** *ONERA [French National Aero-space Agency]*, Toulouse, France.
Supervisor: Prof. Catherine Tessier
Project: Theoretical study of the relationship between conflict and uncertainty in the context of their respective formalizations in the fields of artificial intelligence and multi-agent systems.
- 1998-1999 **Research Assistant.** *IRIN [Nantes Computer Science Institute]*, Nantes, France.
Supervisors: Prof. Philippe Lamare & Prof. Sylvie Cazalens
Project: Bonom, an Internet-based multi-agent system implemented in the Java programming language. Bonom was intended to be a multi-agent system for on-line and off-line research. A hierarchy of thematic software agents store and answer user queries in a personalized way. Bonom was commissioned by the European Community.

Industrial Experience

- 1997-1998 **Software Designer & Programmer.** *ETPO (French Public Works Company)*, Nantes, France.
Designer and developer of civil engineering software systems. The project involved the programming of a large object-oriented system and database processing in C++.

Teaching Experience

- 2009 **Instructor.** *School of Interactive Arts and Technology*, Simon Fraser University
Performance and Technology (IAT-881)
Graduate course taught and developed with Prof. Thecla Schiphorst and Prof. Henry Daniel that covers the theory and practice of performance practices involving technological developments.
- 2008 **Instructor.** *School of Interactive Arts and Technology*, Simon Fraser University
Directed readings on artificial intelligence in interactive arts with Aaron Levisohn, Jack Stockholm and Carlos Castellanos.
- 2008-present **Instructor.** *School of Interactive Arts and Technology*, Simon Fraser University
Sound Design (IAT-380)
Students: 3 sections (72 students)
Undergraduate course that presents theoretical and practical knowledge for computer music and sound design. Both ProTools and MAX/MSP are covered.
Hours: 2h*14 in-class lectures and 1.5h*14 laboratories
- 2008-present **Instructor.** *School of Interactive Arts and Technology*, Simon Fraser University
Metacreation: machines endowed with creative behaviors (IAT-811)

- Graduate course that presents elements of artificial intelligence, machine learning and artificial life for arts.
Hours: 3h*14 lectures
- 2003 **Instructor.** *Department of Computer Science and Software Engineering, Laval University*
Visual Basic & Visual Basic Applications (IFT-20403A)
Students : 120 (from Mathematics)
Hours : 3h*14 lectures
- 2001-2003 **Teaching Assistant.** *Department of Computer Science and Software Engineering, Laval University, Québec, Canada.* Assisted professors in teaching both lower and upper division undergraduate courses: Artificial Intelligence II (IFT-15787), Theoretical Computer Science (IFT-15751), Databases (IFT-22248), Web Design (IFT-20327).
Hours: 380h
- 2000 **Teaching Assistant.** *INSA (National Institute of Applied Sciences), Toulouse, France.*
Project Management. (CPSC-533)
Students: 32
Hours: 3h*6, laboratories

Supervisory Experience

Main Supervisor

Undergraduate Research Assistants:

- David Bourget (co-supervised with Brahim Chaib-draa, Laval University, Fall 2003).
- Benjamin Rivallant (co-supervised with Brahim Chaib-draa, Laval University, Summer 2003).
- Internships:
 - Nicolas Andrillon (ENSEIHT, engineering student, co-supervised with Brahim Chaib-draa, Laval University, Winter 2004).
 - Noemie Perona (ENSPS engineering student, SIAT/SFU, 2009).
 - Ivan Kwiatkowski (ISIMA engineering student, SIAT/SFU, 2009).

Master Internship:

- Uday Shankar (National Design Institute of India, SIAT/SFU, 2009).
- Madhavi Kulkarni (National Design Institute of India, SIAT/SFU, 2009).

Master Students:

- M.Sc. candidate, Marc-André Labrie (co-supervised with Brahim Chaib-draa, Laval University), completed in 2004.
- M.Sc. candidate, Mathieu Bergeron (co-supervised with Brahim Chaib-draa, Laval University), completed in 2004.
- M.Sc. candidate, Ramon Hollands (co-supervised with Frank Dignum, University of Melbourne/ Utrecht University), completed in 2006.
- M.A. candidate, Alexander Mateesco (SIAT/SFU), 2008, ongoing.
- M.A. candidate, Andrew Hawryshkewich (SIAT/SFU), 2008, ongoing.
- M.A. candidate, Matthew Rosen (SIAT/SFU), 2009, ongoing.

Ph.D. Students:

- Karim Muhammad Ridwanul a.k.a. Samin (co-supervised with Liz Sonenberg, The University of Melbourne), 2005-2009, completed.
- Alireza Davoodi (SIAT/SFU), 2008, ongoing.
- Benjamin Bogard (SIAT/SFU), 2009, ongoing.
- Erick Martinez (SIAT/SFU), 2009, ongoing.
- Pattarawut Subyen (SIAT/SFU, co-supervised with Thecla Schiphorts), 2009, ongoing.

Supervising and Examination Committees

Master Students:

- M.A. candidate, Jack Stockholm (SIAT/SFU), 2008, ongoing.
- M.Sc. candidate, Ben Bogard (SIAT/SFU), M.Sc. 2008, completed.
- M.Sc. candidate, Nathan Sorenson (SIAT/SFU), 2008, ongoing.

Ph.D. Students:

- Greg Corness (SIAT/SFU), 2008, ongoing.
- Carlos Castellanos (SIAT/SFU), 2008, ongoing.
- James Maxwell (SCA/SFU), 2008, ongoing.
- Parjad Sharifi (SFU), 2008, ongoing.

Jury member and External Examiner**Ph.D. Students:**

- Robin Oppenheimer (SIAT/SFU), external examiner for comprehensive examination, 2008, ongoing.
- Christian Guttman (Monash University, Melbourne, Australia), external examiner, Completed in 2008.

Academic Publications

Journals (Refereed)

1. Carlos Castellanos, **Philippe Pasquier**. A Survey of Multi-Agent-based Rhythm Generators, *Journal of New Music Research (JNMR)*, 2009, submitted
2. Philippe-Aubert Gauthier, **Philippe Pasquier**. Auditory Tactics, *Leonardo*, 2009, accepted with revisions.
3. Samin Karim, Buddhi Sattihaya, **Philippe Pasquier**, Liz Sonenberg. Plan as an output of learning, *Journal of Theoretical and Applied Artificial Intelligence (JETAi)*, 2009, submitted.
4. **Philippe Pasquier**, Ramon Hollands, Iyad Rahwan, Frank Dignum, Liz Sonenberg. An Empirical Study of Interest-Based Negotiation, *Journal of Autonomous Agents and Multi-Agent Systems*, 2009, submitted.
5. **Philippe Pasquier**, Frank Dignum, Iyad Rahwan, Liz Sonenberg. Argumentation and Persuasion in the Cognitive Coherence Theory, *Knowledge Engineering Review*, 2009, submitted.
6. Iyad Rahwan, **Philippe Pasquier**, Liz Sonenberg, Frank Dignum. Formal Analysis of Interest-based Negotiation, *Annals of Mathematics and Artificial Intelligence*, accepted on the 18th of June 2009, forthcoming.
7. Roberto Flores, **Philippe Pasquier**, Brahim Chaib-draa. Conversational Semantics with Social Commitments, *Journal of Autonomous Agents and Multi-Agent Systems*, 14:2, 165-186, 2007.
8. Brahim Chaib-draa, Nicolas Maudet, Marc-André Labrie, Mathieu Bergeron, **Philippe Pasquier**. DIAGAL: An Agent Communication Language Based on Dialogue Games and Sustained by Social Commitments, *Journal of Autonomous Agents and Multi-Agent Systems*, 13:1, 61-93, 2006.
9. **Philippe Pasquier**, Brahim Chaib-draa. Agent Communication Pragmatics: The Cognitive Coherence Approach, *Cognitive Systems*, Eds. Ron Sun, Elsevier, vol. 6, num. 4, pages 364-395, December 2005.
10. **Philippe Pasquier**. Modèles des dialogues entre agents cognitifs : un état de l'art, *In Cognito – Cahiers Romains de Sciences Cognitives*, International Journal in Roman Languages, ISSN 1267-8015, pages 77-135, vol. 1, num. 4, France, 2004.

International Conferences & Workshops (Refereed)

11. James Maxwell, **Philippe Pasquier**, Arne Eigenfeldt. Hierarchical Sequential Memory for Music: A Cognitive Model. *Proceedings of the tenth International Society for Music Information Retrieval Conference (ISMIR 2009)*, 2009, forthcoming.
12. Jack Stockholm, **Philippe Pasquier**. Reinforcement Learning of Listener Response for Mood Classification of Audio. *Proceedings of the First International Workshop on Social Behavior in Music*, 2009, forthcoming.
13. Arne Eigenfeldt, **Philippe Pasquier**. Realtime Selection of Percussion Samples Through Timbral Similarity in MAX/MSP. *International Computer Music Conference (ICMC 2009)*, short paper, Montréal, Canada, 2009 forthcoming.
14. Ya'akov Gal, Sohan D'souza, **Philippe Pasquier**, Iyad Rahwan and Sherrief Abdallah. The Effects of Goal Revelation on Computer-Mediated Negotiation. In: *Proceedings of the Annual meeting of the Cognitive Science Society (CogSci)*, Amsterdam, The Netherlands, 2009, forthcoming.
15. Aaron Levisohn, **Philippe Pasquier**. BeatBender: Subsumption Architecture for Rhythm Generation. *ACM International Conference on Advances in Computer Entertainment Technologies (ACE 2008)*, Yokohama, Japan, pp. 51-58, ACM Press, 2008.(acceptance rate 14%)
16. **Philippe Pasquier**, Eunjung Han, Kirak Kim, Keechul Jung. The video shadow: an embodied agent. *ACM International Conference on Advances in Computer Entertainment Technologies (ACE 2008)*, Yokohama, Japan, Short paper, pp. 71-75, ACM Press, 2008.(acceptance rate 24%)
17. Jack Stockholm, **Philippe Pasquier**. Eavesdropping: Audience Interaction in Networked Audio Performance. *Proceedings of the ACM International Conference on Multimedia (ACM MM)*, pp. 559-568, ACM Press, 2008. (acceptance rate 17%)
18. Carlos Castellanos, **Philippe Pasquier**, Luther Thie, Kyu Che. Biometric Tendency Recognition and Classification System: An Artistic Approach. *3rd ACM International Conference on Digital Interactive Media in Entertainment and Arts (DIMEA 2008)*, pp. 166-173, ACM Press, 2008.
19. Daghan Lemi Acay, Alexandro Ricci, **Philippe Pasquier**, Liz Sonenberg. How situated is your agent? A cognitive approach. *Proceedings of the AAMAS International Workshop on Programming Multi-Agent Systems (ProMAS)*, 2008, in Programming Multi-agent Systems, Lecture Notes in Computer Science, volume 5442, pages 136-151, Springer, 2009.
20. **Philippe Pasquier**, Ramon Hollands, Frank Dignum, Iyad Rahwan, Liz Sonenberg. An Empirical Study of Interest-based Negotiation. *Proceedings of the Ninth International Conference on Electronic Commerce (ICEC)*, Minneapolis, USA, August 2007, pages 339-348, ACM Press, 2007. **BEST PAPER AWARD**.
21. Iyad Rahwan, **Philippe Pasquier**, Liz Sonenberg, Frank Dignum. On the Benefits of Exploiting Underlying Goals in Argument-based Negotiation. *Proceedings of the Twenty-Second Conference on Artificial Intelligence (AAAI)*, Vancouver, Canada, July 2007, pages 116-121, AAAI Press, 2007.
22. **Philippe Pasquier**, Ramon Hollands, Frank Dignum, Iyad Rahwan and Liz Sonenberg. Exploiting Hierarchical Goals in Bilateral Automated Negotiation: Empirical Study. *Proceedings of the AAMAS International Workshop on Agent-Mediated Electronic Commerce (AMEC)*, Honolulu, Hawaii, USA, May 2007. Published amongst the selected and revised papers (along with the AAAI TADA 2007 workshop) as Agent-mediated Electronic Commerce and Trading Agent Design and Analysis, Lecture Notes in Business Information Processing, Vol. 13, pp.46-62, Springer-Verlag, 2008.
23. Iyad Rahwan, **Philippe Pasquier**, Liz Sonenberg and Frank Dignum. On The Benefits of Exploiting Hierarchical Goals in Bilateral Automated Negotiation. *Proceedings of the AAMAS International Workshop on Argumentation in Multi-Agent Systems (ArgMAS)*, Honolulu, Hawaii, USA, May 2007, in Argumentation in Multi-agent Systems, Lecture Notes in Computer Sciences, volume 4946, pages 18-30, Springer 2008.

24. Daghan Lemi Acay, **Philippe Pasquier** and Liz Sonenberg. Extrospection: Agents Reasoning About the Environment, *3rd IET International Conference on Intelligent Environments (IE 07)*, University of Ulm, Germany, September 2007.
25. **Philippe Pasquier**, Iyad Rahwan, Frank Dignum, Liz Sonenberg. Argumentation and Persuasion in the Cognitive Coherence Theory, *First International Conference on Computational Models of Argumentation (COMMA)*, Liverpool, UK, Paul. E. Dunne, Trevor J.M. Bench-Capon (Eds.), *Frontier in Artificial Intelligence and Applications*, IOS Press, Amsterdam, The Netherlands, pages 223-234, 2006.
26. **Philippe Pasquier**, Iyad Rahwan, Frank Dignum, Liz Sonenberg. Argumentation and Persuasion in the Cognitive Coherence Theory: a Preliminary Report, *Proceedings of the International Workshop on Argumentation in MultiAgent systems (ArgMas'06)*, Maudet, N., Parsons, S. and Rahwan, I. (Eds.), Hakodate, Japan, 2006, in *Argumentation in Multi-agent Systems*, *Lecture Notes in Computer Science*, volume 4766, pages 193-210, Springer, 2007.
27. **Philippe Pasquier**, Brahim Chaib-draa. Integrating Social Commitment-Based Communication in Cognitive Agent Modeling, *International Workshop on Agent Communication (ACL'06)*, Hakodate, Japan, in *Agent Communication II*, *Lecture Note in Computer Science*, Volume 3859, pages 76-92, Springer-Verlag, 2006.
28. **Philippe Pasquier**, Frank Dignum, Iyad Rahwan, Liz Sonenberg. Interest Based Negotiation as an Extension of Monotonic Bargaining in 3APL, *Ninth Pacific Rim International Workshop on Multi-Agents (PRIMA 2006)*, Guilin, China, *Lecture Notes in Computer Science*, volume 4088, Springer-Verlag, pages 569-580, 2006. (Acceptance rate: 19.7%.)
29. **Philippe Pasquier**, Roberto Flores, Brahim, Chaib-draa. An Ontology of Social Control Tools, *International Joint Conference on Autonomous Agents and MultiAgent Systems (AAMAS'06)*, Hakodate, Japan, ACM Press, short paper, pages 1369-1372, 2006.
30. **Philippe Pasquier**, Brahim Chaib-draa. Modelling the Links Between Social Commitments and Individual Intentions, *International Joint Conference on Autonomous Agents and MultiAgent Systems (AAMAS'06)*, Hakodate, Japan, ACM Press, short paper, pages 1372-1375, 2006.
31. Roberto Flores, **Philippe Pasquier**, Brahim Chaib-draa. A Layered Model for Message Semantics using Social Commitments, *The Fourth International Joint Conference on Autonomous Agents and Multi Agent Systems (AAMAS'05)*, ACM Press, short paper, pages 1323-1324, 2005.
32. **Philippe Pasquier**, Mathieu Bergeron, Brahim Chaib-draa. DIAGAL: an ACL Ready for Open System, *Proceedings of the Fifth International Workshop - Engineering Societies in the Agents World (ESAW)*, M.-P. Gleizes, A. Omicini, F. Zambonelli (Eds.), Springer-Verlag, *Lecture Notes in Artificial Intelligence (LNAI)*, volume 3451, pages 139-152, 2004.
33. **Philippe Pasquier**, Roberto Flores, Brahim Chaib-draa. The Enforcement of Flexible Social Commitments, *Proceedings of the Fifth International Workshop - Engineering Societies in the Agents World (ESAW)*, M.-P. Gleizes, A. Omicini, F. Zambonelli (Eds.), Springer-Verlag, *Lecture Notes in Artificial Intelligence (LNAI)*, volume 3451, pages 153-165, 2004.
34. Roberto Flores, **Philippe Pasquier**, Brahim Chaib-draa. Conversational Semantics with Social Commitments, *Proceedings of the International Workshop on Agent Communication, Autonomous Agent and Multi-agents Systems (AAMAS'04)*, R. van Eijk, M-P. Huget and F. Dignum (Eds.), pages 19-33, New York, 2004. Also in: *Agent Communication: International Workshop on Agent Communication, AC 2004, New York, Revised Selected and Invited Papers*, van Eijk, R.M. and Huget, M-P. and Dignum, F. (Eds.), *Lecture Notes in Computer Science (LNCS)*, volume 3396, Springer-Verlag, pages 18-33, 2005.
35. **Philippe Pasquier**, Brahim Chaib-draa. The Cognitive Approach for Agent Communication Pragmatics, *International Conference on Autonomous Agent and Multi-Agents Systems (AAMAS'03)*, pages 544-551, ACM Press, Melbourne, Australia, July 2003.

36. **Philippe Pasquier**, Nicolas Andrillon, Brahim Chaib-draa. An Exploration in Using The Cognitive Coherence Theory to Automate Agents' Communicational Behaviour, *International Workshop on Agent Communication Language and Dialogue (AAMAS'03)*, Melbourne, Australia, pages 44-54, 2003. Also in: *Advances in Agent Communication : International Workshop on Agent Communication Languages*, ACL 2003, Frank Dignum (Ed.), Lecture Notes in Artificial Intelligence (LNAI), volume 2922, pages 37-58, Springer: Berlin. 2004.

National Conferences & Workshops (Refereed)

37. **Philippe Pasquier**, Brahim Chaib-draa. Engagements, intentions et jeux de dialogue, *Proceedings of the Second Days of the Formal Interaction Methods (MFI'03)*, pages 289-294, short paper, December 2002.
38. **Philippe Pasquier**, Brahim Chaib-draa. Cohérence et conversation entre agents: vers un modèle basé sur la consonance cognitive, *Proceedings of the Tenth Francophone Days of Artificial Distributed Intelligence and Multi-agent Systems (JFIADSMAS'02)*, Hermès Science, pages 188-203, June 2002, **BEST PAPER AWARD**.
39. Frédéric Dehais, **Philippe Pasquier**. Approche générique du conflit, *Proceedings of the Conference on Ergonomics and Advanced Computer Science for the Man – Machine Interface (ERGO-IHM'00)*, edited by ESTIA & CRT ILS, pages 56-63, Biarritz, France, 2000.
40. Frédéric Dehais, **Philippe Pasquier**. Vers une formalisation générique du conflit, Poster, *States-General of PRESCOT [Toulouse Research Center in Cognitive Sciences]*, IRIT, Toulouse, France, October 2000.

Other Publications

41. David Milam, **Philippe Pasquier**. Boidz: An ALife Augmented Reality Ambient Visualization, *Proceedings of the Young Investigator's Forum on Culture Technology (YCT)*, pages 60-65, KAIST University, Daejeon, Korea, 6 pages, August 2008.
42. **Philippe Pasquier**. A reflection on artificial intelligence and contemporary creation: the question of technique, *Parachute*, contemporary art, number 119, artificial intelligence, pages 152-167, 2005.
43. **Philippe Pasquier**, Marie-France Thérien. The CD-Audio-MP3 format should be revolutionizing music distribution. Why isn't it?, *Musicworks*, number 93, pages 7-9, Fall 2005.
44. Roberto Flores, **Philippe Pasquier**. Defining the Scope of an Introductory MAS Course: A balancing act, *Proceedings of the Workshop on Teaching Multi-Agent Systems, Third International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS'04)*, J. Denzinger and G.A. Kaminka and Y. Kitamura and R. Unland (Eds.), position statement, pages 4, New York, 2004.

Theses

1. **Philippe Pasquier**. Modélisation des aspects cognitifs des dialogues entre agents : l'approche par la cohérence cognitive, *Ph.D Thesis*, Department of Computer Science and Software Engineering, Laval University, Québec, Canada, 302 pages, 2005.
2. **Philippe Pasquier**. Le changement d'attitude en psychologie sociale et dans les systèmes multi-agents, *guided reading report*, written under the supervision of Guy Paquette (Professor in social psychology, Department of Communications, Laval University), 46 pages, December 2003.
3. **Philippe Pasquier**. La cohérence cognitive comme fondement de la pragmatique des communications agents, *Ph.D proposal*, DAMAS Laboratory, Department of Computer Science and Software Engineering, Laval University, Québec, Canada, 103 pages, December 2002.
4. **Philippe Pasquier**. Communication entre agents, *pre-doctoral report*, DAMAS Laboratory, Department of Computer Science and Software Engineering, Laval University, Québec, Canada, , 30 pages, August 2001.

5. **Philippe Pasquier.** Application de théories du langage naturel aux systèmes artificiels, *Doctoral Synthesis*, DAMAS Laboratory, Department of Computer Science and Software Engineering, Laval University, Québec, Canada, 45 pages, December 2001.
6. **Philippe Pasquier.** Conflits et incertitude en intelligence artificielle, *Master's Thesis report*, IRIT [Toulouse Institute of Research in Computer Science], July 2000.

Talks, Colloquia and Seminars

Beside talks given in conferences or during teaching activities, here is a list of colloquia and seminars I was invited to give:

1. Communication entre agents, *Department of Computer Science and Software Engineering*, Laval University, Québec, Canada, 2001.
2. Communication entre agents artificiels et langage naturel, *Department of Computer Science and Software Engineering*, Laval University, 2002.
3. L'ironie comme viol d'une maxime de Grice, *Festival of Black Humour*, Ilot Fleuri, Québec, Canada, 14 June 2002.
4. Le modèle BOID [Belief, Obligation, Intention, Desire], *seminar*, DAMAS, Laval University 2002.
5. Le modèle BDI [Belief, Desire, Intention] et les engagements sociaux, *seminar*, DAMAS, Laval University, 2002.
6. Pragmatique des communications agents, l'approche par la cohérence cognitive, *Dialogue Work Group*, directed by Daniel Vandervecken, University of Trois-Rivières, Trois-Rivières, Canada, 2003.
7. Le changement d'attitude dans les systèmes multi-agents, *seminar*, DAMAS, Laval University, 2003.
8. Survol de l'intelligence artificielle pour les pratiques en art électronique, *Avatar*, Québec, Canada, 2002.
9. Pure Data : un environnement de traitement du signal en temps réel, *two-days workshop given at Avatar*, 2003.
10. Intelligence artificielle et art contemporain, *two-day workshop given at GMEA [Electro-acoustic Music Group of Albi]*, February 2003, France.
11. Technophilie vs. technophobie : approches philosophiques et réflexions, *conference cycle for the inauguration of LANTISS [Laboratory for the New technologies for Images, Sounds and Stage Design]*, Laval University, Québec, Canada, April 2004.
12. La place de l'implicite dans la théorie de la cohérence cognitive, *Symposium "The situation of psychoanalysis in 2004"*, organized by the Lacanienne School of Montréal, Station Craig, Montréal, 22 May 2004.
13. La question de la technique dans la création contemporaine, *Symposium international danses et nouvelles technologies*, Centre des arts d'Enghiens les Bains, Paris, Octobre 2005.
14. Syntax, Semantics and Pragmatics of Social Commitment Based Agent Communication:
 - Agentlab, University of Melbourne, Australia, 13 December 2005.
 - [Institut d'Investigació en Intel·ligència Artificial \(IIIA\)](#), [UAB - Universitat Autònoma de Barcelona](#), Spain, 23 June 2006.
15. Interest Based Negotiation in Multiagent Systems, *Argumentation and Negotiation Day*, University of Melbourne, 18 January 2006.
16. Panel on argumentation strategies, *ArgMAS, International Workshop on Argumentation in Multi-agent Systems*, Hakodate, Japan, 8 May 2006.
17. Modern technoscience and contemporary creation
 - Vooruit art center, Gant, Belgium, 20 April 2006.
 - New media panel, St Kilda's Writers' Festival, Melbourne, 30 April 2006.
 - IDEA lab, University of Melbourne, Australia, 26 May 2006.

18. SWARM day (Strategic Workshop on Agent Research in Melbourne), *The University of Melbourne*, 18 July 2006.
19. Introduction to speech act theory and Gricean pragmatics, Guest lecture, *Communication Theory course at RMIT*, Melbourne, Australia, 24 August 2006.
20. Modern technoscience and contemporary creation: technophobia vs. technophilia
 - *SIAT (School of Interactive Art and Technology)*, *Simon Fraser University*, Vancouver, Canada, 15 November 2006.
 - *SIAL (Spatial Information Architecture Laboratory)*, *RMIT University*, Melbourne, Australia, 27 November 2006.
 - *Metamedia Symposium, What happens to art at the advent of software art?*, Québec, Canada, 23 February 2007.
 - Graduate seminar, *School for the Contemporary Arts*, *Simon Fraser University*, Harbour Centre, 1 October 2009.
21. Trends in New Media: a bi-dimensional analysis
 - *Key Center for Design Computing, University of Sydney*, Sydney, Australia, 17 January 2007.
 - *British University in Dubai*, UAE, 12 June 2007.
 - *SAE (School of Audio Engineering)*, Dubai, 25 June 2007.
 - *Firstdraft Gallery*, Sydney, Australia, 23 September 2007.
 - *CEMA (Center for Electronic and Media Art)*, Computer Science Department, *Monash University*, Melbourne, 8 October 2007.
 - *Dorkbot*, Melbourne, 27 July 2008.
22. Interest-Based Negotiation, *Department of Information and Computing Sciences*, *Utrecht University*, The Netherlands, 28 March 2007.
23. Agents, Multiagent Systems and Metacreation, Research Colloquium, *School of Interactive Arts and Technology*, *Simon Fraser University*, Vancouver, Canada, 30 January 2008.
24. Sound Thinking Symposium, Guest panellist, *Surrey Art Gallery*, Surrey, Canada, 1 March 2008.
25. From Artificial Intelligence to Interactive Art (AI to IA)
 - Research Colloquium, *School of Interactive Arts and Technology*, *Simon Fraser University*, Vancouver, Canada, 2 April 2008.
 - Research Seminar, *Artificial Intelligence Group*, *Harvard University*, Cambridge, USA, 13 August 2008.
 - *Soongsil University*, Seoul, Korea, 9 December 2008.
 - Graduate School of Culture Technology, *KAIST*, Korea, 11 December 2008.
 - Computer Science Department, *Dongseo University*, Busan, Korea, 14 December 2008.

Major Software Systems (see the artistic C.V. section below for non-scientific systems)

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- **DGS [Dialogue Game Simulator]** (implemented as a collective effort of the DAMAS laboratory, 2003-2005): developed in JAVA in the JACK Agent-Oriented programming framework, the DGS enables designing and testing dialogue games written in the DIAGAL language.
 - **JAVA FIPA-ACL for JACK** compliant class (2003): a JAVA class specifically devoted to the use of FIPA-ACL compliant messages with JACK cognitive agents.
 - **Cognitive Coherence Framework** (implemented with Nicolas Andrillon, ENSEIHT intern, 2004): Implantation in JAVA of our coherence theory applied to communications pragmatics between BDI Jack agents within our DGS dialogue simulator using our DIAGAL agent communication language.
 - **Interest-Based Negotiation Simulation Tool** (developed with Ramon Hollands, Utrecht University, 2007): Based on an extension of the 3APL agent programming environment, this tool enables the simulation of complex bilateral negotiation between cognitive agents. The simulations were made on Alfred (a taskfarm made of a cluster of 50 dual-Xeon processor nodes: this system was ranked 484 in June 2003) at the Center for High Performance Computing at the University of Melbourne.

- **Colored-Trail IBN protocol** (implanted with the Harvard University AI group, 2008): generic framework for empirical studies in task-oriented domain, supporting agent-agent, human-agent and human-human interactions.
 - **Social Coherence Simulator** (developed with Ivan Kwiatkowski and Erick Martinez, 2009).
 - **Genetic Programming of Pure Data patches** (developed with Noémie Perona, 2009). This development uses the Glacier cluster (840 nodes, connected via gigE network) of the Western Canada Research Grid (Westgrid).
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Grants and Awards (see the artistic C.V. below for non-scientific grants and awards)

- Chaib-draa, B. (CI), Pasquier, P. (PhD student), Social Sciences and Humanities Research Council of Canada (SSHRC), *Conversation as Coordination Process*, 2001, CAD\$78,000.
- Best Contribution Award, 2002, given by the Multiagent Systems chapter of the French Artificial Intelligence Association ([AFIA](#)).
- Chaib-draa, B. (CI), Pasquier, P. (PhD student), SSHRC (Social Sciences and Humanities Research Council of Canada), *Conversation as Coordination Process*, 2003, CAD\$120,000.
- Sonenberg, L. (CI), Rahwan, I. (PI), Dignum, F. (PI), Pasquier, P. (Post-doc). *Interest-based negotiation: theory and practice*, ARC (Australian Research Council), Discovery Grant, 2005-2007, AUD\$225,000.
- Best Technical Paper Award, Ninth International Conference on Electronic Commerce (ICEC), 2007
- Pasquier, P., President's Grant, Simon Fraser University, 2008-2011, CAD\$110,000.
- Pasquier, P., Discovery Grant, Natural Sciences and Engineering Research Council of Canada (NSERC), 2008-2012, CAD\$75,000.
- Pasquier, P. (CI), Eigenfeldt, A. (PI), *Musical metacreation: creative software and software creativity*, New Media Initiative, Strategic Grant, NSERC/CCA, 2009-2011, CAD\$488,000.

Service to the Academic Community

Conferences & Workshops Program Committee Member or External Reviewer

- MFI, Méthodes formelles d'interaction: MFI01, Toulouse, 2001, MFI03 Lille, 2003.
- ISPS02, Fourth International Symposium on Programming and Systems, Algiers, 2002.
- JFIADSMA 2002, Journées Francophones d'Intelligence Artificielle Distribuée et de Systèmes Multi-Agents, Lille, 2002.
- ABS'03, International workshop on Agent-Based Simulation, Montpellier, France, 2003.
- AAMAS-ACL, Autonomous Agents and Multi-agent Systems, International Workshop on Agent Communication: Melbourne, 2003, New York 2004, Utrecht 2005, Hakodate 2006.
- ICCM, International Conference on Cognitive Modeling, 2004.
- CogSys'05, 27th annual meeting of the Cognitive Science Society, Stresa, Italy, 2005.
- ArgMAS, International Workshop on Argumentation in Multi-Agent Systems: Hakodate, Japan, 2006, Honolulu, Hawaii, 2007, Portugal, 2008.
- Journal of Cognitive Systems Research, 2006.
- IEEE Transactions on Men, Systems and Cybernetics, 2007, 2009.
- CODS'2007, International Conference on Complex Open Distributed Systems (Dynamic Multi-Agent Systems track), Chengdu, China, 2007.
- KR-06, International Conference on Knowledge Representation, 2006.
- JAAMAS, Journal of Autonomous Agents and Multi-Agent Systems, Springer, 2007, 2008.
- PRIMA, Pacific Rim International Workshop on Multi-Agent, 2007.
- AAMAS, International Conference on Autonomous Agents and Multi-Agent Systems: Estoril, 2008, Budapest, 2009, Toronto, 2010.
- AIJ, Artificial Intelligence Journal, 2008.
- ACM MM, ACM International Conference on Multimedia: Vancouver, Canada, 2008, Beijing, China, 2009.
- MICAI, Mexican International Conference on Artificial Intelligence, Mexico, 2008.
- TARC, Transactions on Arguments and Computation, 2009.
- CHI, ACM Conference on Human Factors in Computing Systems, Atlanta, 2010.
- ICAART, International Conference on Agent and Artificial Intelligence, Valencia, 2010.
- CARE, International Workshop on Collaborative Agent Research and Development, Melbourne, 2010.

Meetings and Conferences Organisation

- Program Chair of the Creative Showcase for the ACM International Conference on Advances in Computer Entertainment (ACE 2009, Athens, Greece, October 2009).
- Organiser of the monthly [Vancouver Computer Music Meetings](#), VCMM (2009-ongoing).
- Organiser of the Argumentation and Negotiation Day (Melbourne, January 2006).
- Organiser of the SWARM Strategic Workshop in Agent Research in Melbourne (August 2006).

Research Memberships

- 2001-2005 Participation in the *Dialogue Research Group* meetings (Trois Rivières 2001, Québec 2002, Trois Rivières 2003) This research group is a collaborative effort by academics from AI (Brahim Chaib-draa, Bernard Moulin) and philosophers (Daniel Vandervecken, Guy Paquette) toward the design of common models of dialogic activities.
- 2002-2005 **Centor** (<http://www.centor.ulaval.ca/>): network organization technology research center
- 2005-2007 **Agentlab** (<http://www.cs.mu.oz.au/agentlab/>): The Intelligent Agent Laboratory (Agentlab) is an active research group conducted jointly between the Departments of Computer Science and Software Engineering (CSSE) Information systems (DIS) of the University of Melbourne.
- 2005-2007 **AgentVic** (<http://www.agents.org.au/>): The Agents-in-Melbourne group formed in 1998 to foster R&D collaboration between industry and research groups using intelligent software agents.
- 2008-present **ACM** (Association for Computing Machinery, <http://www.acm.org/>).

Artistic CV

The following sections give a quick view of previous and current artistic works and art related activities. A press kit is available upon request.

Administration and service to the artistic community

- 2001 Founding member and artistic director of **P: research, creation, diffusion in media arts**.
- 2001-2004 Founding member and artistic director of the audio art diffusion collective **Machines**: electronic sound abstractions.
- 2006 Founding member of **MIJI dance company** along with Soo Yeun You (Korea) and Hamish Fletcher (Australia).
- 2005-2008 Board member of [BUS 117](#), a contemporary art gallery in Melbourne (2005-2008).
- 2003-2006 Board member of the Canadian audio and electronic art centre [Avatar](#).
- 2008-ongoing Board member of **Vancouver New Music**.
- June 2009 Jury member, **Canada Council for the Arts**, New media and audio art.

Main installations and public art

- 17.06.1999 Audience count: 67 **The Wall of Sound**, Blockhaus DY10, Nantes, France
A wall of heteroclit speakers is used to diffuse the output of a network of vintage analogue synthesizers. Each speaker broadcast the sound of a single synthesizer. The various synths are linked so as to make different parts of the wall interact, thus creating an unusual spatial effect for the audience.
- 28.01.1999 and 18.06.2001 Audience count: 179 **Nint&Do**, Espace Delrue, Nantes, France
In this interactive audio installation, the audience is invited to play with various vintage video games. The sounds made by these video games are processed, mixed and diffused in real time. This installation thus proposes a ludic introduction to "musique concrète" and electronic music. Nint & Do was initially presented at Blockhaus D.Y.10 on 28.01.1999.
- 1.09.2000 to 22.09.2000 Audience count: 46780 **Escalophone**, Beaulieu Shopping Mall, Nantes, France.
In the context of the collective exhibition SBAM+, the robonom collective presented a quadriphonic sound installation for two escalators located in a vast shopping mall in Nantes. During three weeks, over two thousand daily passers-by crossed through various sounds which were also going up and down the stairs.

- 8.11.2001 to 18.11.2001
Audience count: 546
- Transit**, Coueron Bus terminal, Coueron, France.
This installation was presented in the context of the collective exhibition *Ceux qui m'aiment prendront le bus* (Those who love me will take the bus). The environment of a bus terminal is analyzed through various sensors and re-organized as a sonic space within a shipping container open to the audience. Outside conditions (wind, urban noises, luminosity, traffic, temperature, ...) are regenerated in the sonic dimension inside this small immersive environment.
- 12.02.2003
Audience count: 267
- Machines 08**, *Le chemin des machines (Machines' promenade)*, Machines 08, co-conceived with Émile Morin and Érick Dorion, Québec city, Canada.
8 musicians playing improvised music from locations throughout the Méduse building, 4 audio artists streaming their material through the Internet and 4 electroacoustic composers (re)mixing and spatializing the result live. The audience was invited to a promenade between various listening points.
- 12.02.2004
Audience count: 134 + 2 national radio diffusions
- Machines 12**, *Improvising automata and sonic aerodyne*, for the multi-disciplinary art festival "Le Mois Multi 2004", Québec, Canada. co-produced with Recto-Verso and Avatar in collaboration with Radio-Canada.
This event consisted of four audio improvisations. Each improvisation brought together a human improviser and an automated improviser (an autonomous artificial agent capable of improvising music). The result was broadcast using an array of 25 speakers, suspended and balancing above the audience
- 20.09.2004 to 25.09.2004
Audience count: 1698
- Survie**, Phylm, Commissioned by the fifth International Video and Electronic Art Manifestation in Montréal (MIVAEM'04), [Champ Libre](#), Canada.
This installation is a collaboration with the French experimental film-maker Emmanuel Lefrant. Following the steps of the experimental film maker Anthony McCall (*Light Describing A Cone*), we developed an immersive installation which explores the space between the film projector and the screen. This installation was also presented in 2005 at the BétonSalon gallery (Paris).
- 22.08.2007 to 22.09.2007
Audience count: 61238
- Auditory Tactics**, Concordia University, Montréal, Canada.
Auditory tactics are contextual listening attitudes. One does not listen the same way in a bathroom or at a bus stop. This audio installation is concerned with the intrusion of sounds from the private sphere into public spaces and their interferences with the audience's auditory tactics. A collaboration with Philippe-Aubert Gauthier, *Auditory Tactics* has been produced during an artistic residency at Vidéographe and in the context of the 2007 PureData Convention. The installation consists of a generative composition broadcast 24/7 through an array of speakers using the beamforming technology
- 11.01.2008 to 1.02.2008
Audience count: 2361
- Flying Falling Floating**, Carriage Work, Sydney, Australia.
A collaboration with Matthew Gingold, this 6-channel audio video installation shows bodies flying, falling and floating on architectural elements of the hosting building. It was presented for three weeks during the 2008 Sydney International Festival.

- 18.03.2008 to 12.04.2008
Audience count: 278
- The crossing**, Bus Gallery, Melbourne, Australia.
This installation is a collaboration with physicist and visual artist Martina Mrongovius. Two "holographic films" containing 160 "holographic frames" each are disposed on the sides of a 5 meter long linear path. Walking along this path at normal pace unfolds the two three dimensional films and their sound track. The use of distance sensors allows the viewer to 'scratch' time. By going backward, the viewer can rewind images and sound, by standing still he can freeze both. This simple interactive setting entails that the viewer's movement is the motor of the audio-visual experience.
- 30.08.2008 and 14-30.04.2009
Audience count: N/A
- NAOS**, Montalvo Arts Center, Saratoga, CA and Root Division Gallery, San Francisco .
This installation is a collaboration with Carlos Castellanos, Luther Thie and Kyu Che. In the line of the Acclair project, NAOS proposes a critical reflection on the growing use of physiological monitoring in our technophilic society. The installation is presented as a bio-pod in which the audience, equipped with various biometric sensors, is confronted with selected images. After several iterations, machine learning algorithms are used to classify the user's reactions into one of the four following categories: passive, aggressive, loyal, subversive.
- Permanent.**
Inaugurated in 2009
- Lingua Aqua**, Bear Creek Park, City of Surrey, Canada
A collaboration with Michael Filimowicz, Melanie Cassidy, Brady Marks and Alan Storey, Lingua Aqua is a public artwork combining sculptural, architectural, and audiovisual media to materialize the original "bath of sounds" from which language emerges. It is a self-enclosed fountain utilizing flowing water, single channel video, four-channel audio, and engraved transparent panels to create a space for contemplating the variety and complexity of languages.

Sound design for video and experimental cinema

- 23.11.2002
- Phylm*, (Philippe Pasquier & Emmanuel Lefrant, film maker), Vidéastes recherchés, [La Bande Vidéo](#), Salle Multi de Méduse, Québec City, Canada.
- 15.05.2003
- Videoman*, real-time video processing illustrating sound performances (including live illustrators and musician footage), Machines 9, Salle Multi, Québec City, Canada.
- 14.06.2003
- Videoman*, real-time video processing illustrating sound performances by Martin Tetreault, Diane Labrosse, Érick Dorion, Aimé Dontigny and Samiland, *Machines 9.01*, Paraloeil, Rimouski, Canada.
- 12.09.2003
- Phylm*, Commissioned by [Antitube](#), Salle Multi de Méduse, Québec City, Canada.
- 19.11.2006 to 29.11.2006
- Falling, Floating and Flying*, with Matthew Gingold, Stairwell Gallery, Melbourne, Australia. Audio-video installation.

Radio and sound engineering

- 1997-1998
- Limonade Ray Gun*, weekly show on the LNA radio station, LLN/Bruxelles, Belgium.
- June 1999
- robonom* - jingle for MTV Europe, diffused every days from September to December 1999 for **MTV** Spankshow, Europe.

- 2001-2002 *DDM* [les Disques De Merkel], weekly show on Chyz FM radio, Laval University, Québec City, Canada.
- 2002-2004 *Excavation sonore*, monthly diffusion on CKIA radio and web streaming, Avatar, Québec City, Canada.

Discography, publications and software

- 1999 robonom e.p., *robonom*, lp, vinyl, Vlan! Records, Paris
- 2000 robonom, *Rond mais carré*, CD, DDM [Les disques de Merkel], Nantes, France
- 2001 robonom, *Pomelos*, "Super Post electronica" compilation, CD, +CROSS, Osaka, Japan (re-edited by Instinct record, New York, USA)
- 2001 robonom, *Blockhaus sessions*, CD, DDM, Nantes, France
- 2001 monobor, *Sex O Clock*, lp, vinyl, Invasion Planète Records, IP005, Toulouse, France
- 2001 robonom, *aesthetik gnatoflex*, PlastiQ magazine, number 1, CD, DDM, Paris, France
- 2001 robonom, *r1* and *r2*, No war without tears, CD, The Age of Venus Records, Nantes, France
- 2002 monobor, *Le monde gueule*, MEHR, DDM: www.merh.fr.fm, Web release
- 2003 monobor, *Fantaisie pour vinyles gondolés en funk majeur*, CD, Alterflow/Déluge, Québec City, Canada
- 2003 robonom, *Entre bleu clair et marron foncé*, MP3 CD, Excavation Sonore, Avatar / OHM 32, Québec City, Canada
- 2003 Samiland, *Capteur de brume*, CD, Mutek 03, MUTEK_REC, Montréal, Canada
- 2003 Catalogue, Mois Multi Festival 2003.
- 2004 Machines, *Machines-Motor V1.0*, audio/video software, distributed by Panatone, Avatar/Locus Sonus, Web release.
- 2004 *96 432 hours*, Ten years of Avatar 1993-2004. DVD, Avatar / OHM Edition 035.
- February 2004 *Machine 12*, in Catalogue, Mois Multi Festival 2004.
- January 2005 *Œuvres avouées – avatar*, Catalogue and DVD, Avatar / Ohm Editions 036.
- 2005 Improvisor automata based on a cellular automata, Software.
- February 2005 *Degrés d'hybridité*, Catalogue and DVD, Mois Multi 2005, Avatar / OHM Edition 037.
- June 2005 *Faisceau d'épingles de verre: Théâtre d'arts médiatiques, P : recherche création et diffusion en arts médiatiques*. Promotional DVD.
- March 2008 *Metamedia*, proceedings of the symposium held in Québec city on 23 February 2007, DVD, OHM Edition 043

Mixing and mastering

- 06.2001 Recording and editing for Village Bunker, Blockhaus DY.10 sound studio.
- 21.07.2002 Editing and Mastering for Milimetrik, personal studio.
- 12.09.2002 Mastering for Glider, personal studio.
- 22.01.2003 Recording, editing and mastering for TAP: *Messe pour un temps mort*. Avatar sound studio (with David Michaud).
- 2002-2004 Recording, editing and archiving for Machines concert series 01-12, Avatar sound studio.
- 11-12.09.2005 Recording of Pierre André Arcand, readings and sound poetry, Avatar sound studio.

Artistic residencies

- March 2002 **Avatar** [Audio and electronic art center], Québec City, Canada.
From the 2nd to the 22nd of March, audio production residency for the Excavation Sonore project *robonom*.
- February 2003 **GMEA** [Electro-acoustic music group of Albi], Albi, France.
From the 7th to the 21st of February, audio production residency of robonom working on sound spatialisation.
- October 2003 **Avatar** [Audio and electronic art center], Québec City, Canada.
Software production residency for the digital art project Panatone, produced by Avatar and Villa Arson (France).
- January 2004 **Recto Verso** [Electronic and multidisciplinary art production center], from the 24th of December to the 3rd of January 2004, Québec City, Canada.
Research and production residency in Salle Multi of the Méduse complex for the creation of the flying loudspeakers of *Machines 12*.
- March 2004 **LANTISS**, Laval University, Theatre Department, Québec City, Canada.
Research residency to explore the 24-channel audio spatialisation system [LCS \[Level Control System\]](#) of the LANTISS laboratory.
- June 2004 **Recto-Verso**, Studio d'Essais de Méduse, Québec City, Canada.
Production residency with Machines collective for *Faisceau d'épingles de verre*.
- November 2004 **Avatar** [Audio and electronic art center], Québec City, Canada.
Research residency for the development of a new interactive dance floor based on body conductivity.
- December 2004 **LANTISS** [Laboratoire des nouvelles technologies de l'image de la scène et du son], Université Laval, Québec City, Canada.
Research and creation residency for the multidisciplinary project *Faisceau d'épingles de verre*.

- January 2005 **TOHU** [La cité des arts du cirque], Montréal, Canada.
Research and creation residency for testing and developing creative ideas using the interactive dance floor developed during the residency at Avatar in November 2004.
- January 2005 **Recto-Verso**, Salle Multi de Méduse, Québec City, Canada.
Production residency for the multidisciplinary project «Faisceau d'épingles de verre».
- May-June 2005 **LANTISS** [Laboratoire des nouvelles technologies de l'image de la scène et du son], Université Laval, Québec City, Canada.
Research and creation residency for the development of a new type of sensors for body contacts.
- Juillet 2005 **GMEA** [groupe de musique électronique d'albi], 12-30 July 2005, France.
Production residency for the sound design of a show of the company Le Corps Indice.
- August 2005 **UQÀM** [Université du Québec à Montréal], Canada.
Production residency with the dance company « Le Corps Indice ».
- March 2006 **DanceHouse**, Melbourne, Australia.
Production residency with P: Media Art, for the multidisciplinary show *Ray of Glass Needles*.
- February 2007 **Ausdance**, Adelaide, Australia.
Production residency with Gina Rings, Soo Yeun Lee and Hamish Fletcher for *Reliquary*.
- July 2007 **DanceHouse**, Melbourne, Australia.
Production residency with company Miji for the show *Reliquary*.
- August 2007 **Vidéographe**, Montréal, Canada.
Production residency with Philippe-Aubert Gauthier for the *Auditory Tactics* audio installation using the Beamforming technology.
- June 2008 **Montalvo Art Center**, San Francisco, California, U.S.A.
Production residency for project Naos (in collaboration with Carlos Castellanos and al.)
- August 2008 **Northcote Town Hall**, Melbourne, Australia.
Production residency with Miji (Soo Yeun Lee and Hamish Fletcher) and Gina Rings (from Bangara Dance theater) for *Reliquary*.

Invited talks and workshops

- 02.07.1999 *Analogue Electronic Music* workshop (with David Rigaud and robonom), Challan music school, France.
- 14.06.2002 *L'ironie comme viol d'une maxime de Grice*, guest talk, Festival sur l'humour noir, Îlot Fleuri, Québec City, Canada.
- 07.02.2003 *Improvisation in analogue electronic music* workshop, with robonom, Noctambule, Albi, France.
- 15.02.2003 and 22.02.2003 *Artificial Intelligence in Contemporary Arts practices*, Computer Music Group of GMEA [Groupe de musique électro-acoustique d'Albi], Albi, France.

- 7-8.06.2003 *Pure Data* workshop, Avatar, Québec City. Given with David Michaud.
- 1.04.2004 *Faisceau d'épingle de verre, des hommes, des machines et du théâtre*. Guest talk for the opening ceremony of LANTISS [Laboratoire des nouvelles technologies de l'image, du son et de la scène].
- Fall 2004 Dance and New Technology workshop, 6 3 hours laboratories and one public presentation, with Isabelle Choisière, Ateliers de Danse Moderne, Inc. [ADMI], Montréal, Canada.
- 9.02.2005 *Faisceau d'épingle de verre*. Guest talk in « Nouvelles formes théâtrales de 1980 à nos jours » course of Laval University (Prof. Plourde).
- 10.02.2005 *Faisceau d'épingle de verre*. Guest talk, Collège Jésus-Marie de Québec.
- 11.02.2005 *Faisceau d'épingle de verre*. Guest talk, Multimedia specialty students, Collège Mérici de Québec.
- 15.06.2005 Demonstration of a new contact sensor, LANTISS, Québec City.
- 19.04.2005 *Technoscience and Contemporary Creation*, guest talk, given at Vooruit during the Courtisane Festival, Gent, Belgium.
- Spring 2007 IAT 811 Metacreation: Machines endowed with creative behavior (graduate course), instructor, given at SIAT, SFU, Canada
- 27.07.2008 Digital Media: a bidimensional analysis, invited talk, Dorkbot Melbourne, Australia.

Training and professional development

- March 2002 Max/MSP workshop, David Michaud, Avatar, Québec City, Canada
- April 2002 Basic Stamp workshop, Steeve Lebrasseur, Avatar, Québec City, Canada
- December 2003 ZeLab1, micro-controller workshop, Steeve Lebrasseur, Avatar, Québec City, Canada
- February 2004 ZeLab2, Electronics workshop, Steeve Lebrasseur, Avatar, Québec City, Canada
- August 2004 [LCS \(Level Control System\)](#), sound spatialization workshop, LANTISS, Laval University, Québec City, Canada
- January 2005 Sound spatialization workshop, Philippe Aubert-Gauthier, Avatar, Québec City, Canada.

Concerts and sound design for live performances (selection)

- 06.01.1999 Robonom, Blockhaus D.Y.10, Nantes, France.
- 03.03.1999 Robonom for the exhibition *Le Labo d'hiver*, furniture music, Espace Delrue, Nantes, France

06.04.1999 Robonom, *Festival Universitaire*, Théâtre Universitaire , Nantes, France

06.05.1999 Robonom: *Agrobonom* (sound fertilizer), Va t'en Lapin exhibition, Atelier Alain Lebras, Nantes, France.

12.05.1999 Robonom: *Martine à la ferme*, electronic music in rural environment, with Basile Ferriot (drums), Châteaubriant, France

12.06.1999 Robonom, *Téléo festival*, Salle L'Olympic, Nantes, France.

19.06.1999 robonom with Basile Ferriot (drums), *l'homme qui rétrécit invite ses amis*, Studio Ecart Danse, Nantes, France.

09.10.1999 Robonom with David Rigaud (flute), Patricia Lupiery (soprano) and Manuela Ribeiro (dramaturgy), *Source4 fashion show*, Cité des congrès, Nantes, France

26.11.1999 robonom, Zoo Galerie, Nantes, France

01.01.2000 robonom, Wizz sur Loire, ETR*, Nantes, France

11.03.2000 robonom, *Introduction* of Les Disques de Merkel, Zoo Galerie, Nantes, France

18.03.2000 robonom, *Robonom and friends*, ep album launch, with Nominoë (experimental cinema), ETR*, Nantes, France

13.04.2000 robonom, Les Renc' Artistes, L'Olympic, Nantes, France

21.05.2000 monobor, New Electro, with Invasion Planet and Rephlex/Braindance, Bikini, Toulouse, France

19.06.2001 robonom, dans le cadre de la soirée « *PlastiQ* », nouveau casino, Paris, France

30.06.2001 robonom, Le lieu Unique, Nantes, France

13.12.2001 monobor, *Machines01*, Salle Multi de Méduse, Québec City, Canada

26.04.2002 IF (Steeve Lebrasseur, David Michaud, Philippe Pasquier, Raphaël Simard), *Machines 03*, galerie Rouge, Québec City, Canada

19.06.2002 monobor & milimetrik, *Machine04*, Salle multi de méduse, Québec City, Canada

21.12.2002 Samiland, *Machines07*, Salle multi de Méduse, Québec City, Canada

31.01.2003 Duo avec samuel Roy-Boy (contrebasse), galerie Rad'a, Montréal, Canada

07.02.2003 robonom, [GMEA\[Groupe de musique électroacoustique d'Albi\]](#), Festival Rebond, Noctambule, Albi, France

22.03.2003 Samiland, *PRÉrien(13)b*, Salle Beverley Webster Rolph – [Musée d'art contemporain de Montréal](#), Canada

22.03.2003 Samiland, galerie Rad'a, Montréal, Canada

29.05.2003 Samiland, *Festival Mutek*, Montréal, Canada

14.06.2003 Samiland, *Machines 9.01*, Paral'Oeil, Rimouski, Canada

- 12.02.2004 *Machines 12*, Salle multi de Méduse, Québec City, Canada
Diffusion de *ttâfnd*, une pièce de robonom en ouverture de la soirée.
- 03.04.2004 Philippe Pasquier, présentation avec Christian Calon des résultats du laboratoire de spatialisation sur le système 24 voies [LCS\(Level Control System\)](#), Avatar/LANTISS, Studio d'essais de Méduse, Québec City, Canada.
- 22.06.2004 Duo: Érick Dorion/Philippe Pasquier, Presentation of Machines-motor V1.0, audio video (two screens), produced by Avatar, Studio d'Essais de Méduse, Québec City, Canada.
- 27.08.2004 Philippe Pasquier, Présentation d'un automate cellulaire improvisateur audio avec visualisation vidéo. Galerie [La Chambre Blanche](#), Québec City, Canada
- 10.02.2005 and 11.02.2005 Faisceau d'épingles de verre, création multidisciplinaire de la pièce de Claude Gauvreau du même nom (3 représentations). Dans le cadre du *mois multi 2005*, festival d'art multidisciplinaire de Québec City, organisé par les productions Recto-Verso, Salle multi de Méduse, Québec City, Canada
- 12.02.2005 Philippe Pasquier, Présentation de Machines-Motor V1.0 et performance audio-vidéo dans le cadre de la soirée Soft Avatar présentée au [Mois Multi 2005](#), Salle mutli de Méduse, Québec City, Canada.
- 03.2005 Command by [TourDeBras](#) / Paral'oeil, Rimouski, Canada. 12 min piece and visual score for the GGRIL (Gros Groupe Régional d'Improvisation Libre, directed by James Darling) electro-acoustic soundtrack: Philippe Pasquier; Films: James Darling, Thomy Laporte; Musicians: James Darling (self-made instruments, direction), Raphael Arsenault (violin), Catherine Savard-Massicotte (violin), Michèle Audrey Couture (alto sax), Éric Normand (double bass, objects), Martin Poirier (electric bass), Robin Servant (accordion, feet, motors), Brigitte Lacasse (accordion), Sébastien Dubé (clarinet), Mathieu Gosselin (alto sax) , Louise Amyot (percussion), Brigitte Vincent (percussion, piano), Louis Pelletier (percussion, marimba), Patrick-Guy Desjardins (guitar), Alexandre St-Pierre (guitar).
- 03.06.2005 L'ensemble Bruno Panache et Philippe Pasquier (aka. Monobor), Musiques torrides en deux tons, performance audio présentée à la [Gallerie Rouje](#) dans le cadre de la *manifestation internationale d'art*, Québec City, Canada.
- 19.09.2005 Présentation « work in progress » de la nouvelle création de la compagnie de danse contemporaine Corps Indice. Co-concue avec Isabelle Choisière et Jean Gervais, Salle Claude Gauvreau, UQAM, Montréal, Canada.
- 15.10.2005 Performance Danse et Nouvelles technologies, performance avec un quintette de danseuses Montréalaise. Présenté par le centre des arts d'Enghiens les bains dans le cadre du symposium internationale danse et nouvelles technologies, Paris, France.
- 21.12.2005 White Widow, Audio / Body art performance, collaboration with Martin Renaud (performer) et Simone (acrobat), in the context of the White Christmas event of The Foundry Gallery, Melbourne, Australia.
- 15-22.03.2006 Ray of Glass Needles, multidisciplinary show (Butoh dance, experimental theater, audio and video performance), produced by P:Media Art,[DanceHouse](#) (5 nights), Melbourne, Australia.
- 19.04.2006 Machines-Motor (audio-video performance), during the SoftAvatar performance, given at Vooruit, Gent, Belgium.

- 21.04.2006 Performance audio quadriphonique, MexAppeal, Dormund, Germany.
- 14.02.2007 Performance "Work in progress" du projet avec les chorégraphes Soo Yeun Lee et Gina Rings. [Ausdance](#), Adelaide, South Australia, Australie
- 5-8.06.2007 Reliquary, dance show with Miji dance company, 45downstairs, Melbourne, Australia
- 12.07.2007 Quadriphonic Audio Performance, Firstdraft Galley, Sydney, Australia
- 17.04.2008 Diffusion of an electro-acoustic pieces on 8-channels, Signal and Noise Festival 2008, VIVO art center, Vancouver, Canada
- 02.08.2008 Reliquary, sound design for a dance show, Miji dance company, NorthCote Townhall, Melbourne, Australia
- 06-08.06.2009 Reliquary, sound design for a dance show, Miji dance company, The Dreaming festival, 3 nights, Woodford, Queensland, Australia.

Grants (artistic)

- 2003-2004 **CALQ [Conseil des Arts et des Lettres du Québec]**, multidisciplinary art project grant, special theme: research and creation of new artistic vocabulary and new technology. Project: *Lecture informatisée et de systèmes interactifs adapté au langage exploréen de Claude Gauvreau* (Interactive text-to-speech systems adapted to Claude Gauvreau Explorean language). Co-recipient with Martin Renaud. CAD\$14,000
- 2004-2005 **CCA [Canadian Council for the Arts]**, Inter-arts program: creation/production grant. Project: *Faisceau d'épingles de verre* (Ray of glass needles), an interdisciplinary project and residence at LANTIS [Laboratory of New Technologies for Images and Sound]. Co-recipient with Martin Renaud. CAD\$18,000
- 2005 **FRIJQ [Forum Jeunesse de la Région de Québec]**, Production grant for *Faisceau d'épingles de verr.* CAD\$12,000
- 2005 **Service culturel de la mairie de Québec** (Québec City Cultural Division). Creation and diffusion grant for *Faisceau d'épingles de verre.* CAD\$10,000
- July 2005 **CALQ [Conseil des Arts et des Lettres du Québec]**, Travel grant for a residency at GMEA (electro-acoustic research and creation centre, France). CAD\$2,000
- September 2005 **Bourse Ubisoft-OFQJ.** Travel grant for Rencontres professionnelles nationales et internationales de danse et arts technologiques du Centre des arts d'Enghien-les-Bains les 13, 14 et 15 octobre 2005 (Paris, France). Co-recipient with Corps Indice dance company. CAD\$22,000
- 2005-2008 **CALQ [Conseil des Arts et des Lettres du Québec]**, research and creation grant for the video art project *Claude Gauvreau, le langage en mutation* (Claude Gauvreau: the mutation of language). CAD\$20,000
- 2006 **Australian Council for the Arts**, Project Grant for BUS 117 (art gallery in Melbourne), AUD\$22,500

- 2007 **City of Melbourne**, Australia, Production Grant for a project of contemporary dance by Company Miji (Soo Yeun Yee, Hamish Fletcher, Philippe Pasquier). AUD\$10,000
- 2006-2008 **CCA [Canadian Council for the Arts]**, Media art program: creation/production grant for the video art project *Gauvreau, le langage en mutation* (Claude Gauvreau: the mutation of language). CAD\$20,000
- 2008 **Art Victoria**, Miji (Soo Yeun Yee, Hamish Fletcher, Philippe Pasquier). Production Grant for the show *Reliqary*. AUD\$20,000
- 2008 **Australian Council for the Arts**. Company Miji (Soo Yeun Yee, Hamish Fletcher, Philippe Pasquier). Production Grant for the show *Reliqary*. AUD\$8,500
- 2008-2009 **City of Surrey**, *Lingua Aqua*, Public art program, permanent installation, audio-video fountain in Bear Creek Park, CAD\$100,000