

CURRICULUM VITAE

François Huard

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Languages: French, English.
Citizenship: Canadian

Current position

Associate Professor
Bishop's University, Sherbrooke, Quebec, Canada.

Professional activities

July 2001-present
Chair of the Department of Mathematics,
Bishop's University.

President of the Board of Directors of the *Annales des Sciences Mathématiques du Québec*.

Member of the Université de Sherbrooke-Bishop's University representation theory group.

Member of the *Groupe d'algèbre et théorie des nombres* of the Institut des sciences mathématiques (ISM).

Member of the *Comité directeur de l'expérimentation du Programme de Sciences Informatiques et Mathématiques*, from the Ministère de l'Éducation, Loisirs et Sports, Québec.

Academic Background

January 1996-August 1998
Ph.D. in mathematics, Université de Sherbrooke
Advisor: Shiping Liu
Thesis: *Algèbres bisérielles spéciales inclinées*.

January 1994-December 1995
Master degree in mathematics, Université de Sherbrooke
Advisors: Bernard Courteau, Ibrahim Assem
Master's thesis: *Algèbres aimables inclinées*.

1991-1993
Bachelor degree in mathematics
Université de Sherbrooke

Teaching Experience (Students' evaluations available on demand)

Courses taught at Bishop's University (since 1998):

Real Analysis I, Matrix Algebra, Science Calculus I, History of Mathematics, Real Analysis II, Linear Algebra, Science Calculus II, Topology, Introduction to Probability, Introduction to Statistics, Precalculus, Introduction to Modern Algebra, Business Calculus I, Galois Theory, Modules and Algebras, Category Theory, Discrete Mathematics, Further Discrete Mathematics, Introduction to Matroids, Number Theory, Excursions in Modern Mathematics.

Grants, Fellowships and Awards

2009-2014

NSERC operating grant

70000\$ (14000\$ per year for 5 years).

2001-2005

NSERC operating grant

45000\$ (9000\$ per year for 5 years).

2003

Bishop's Student Representative Council's Divisional Teaching Award.

Bishop's Faculty Evaluation Committee Merit Bonus (2000\$).

2001-2003

FCAR Nouveau Chercheur operating grant

45000\$ (15000\$ per year for 3 years).

May 1998-august 1998

FCAR (Fonds pour la formation des chercheurs et l'aide à la recherche)

Ph.D. fellowship (4300\$).

1996-april 1998

NSERC (Natural sciences and engineering research council of Canada)

Ph.D. fellowship (34 800\$).

1994-1995

FCAR (Fonds pour la formation des chercheurs et l'aide à la recherche)

Master's fellowship (18 333\$).

Summers 1992-1993

Bishop's University-Université de Sherbrooke

Bourse de recherche d'été en algèbre (2400\$ and 3000\$).

Research Interests

Representation theory of algebras, Ring theory, Homological Algebra.

Publications

HUARD, François, LANZILOTTA, Marcelo and MENDOZA, Octavio, *Finitistic dimension through infinite projective dimension*, Bull. London Math. Soc. **41(2)** (2009) 367-376.

HUARD, François, LANZILOTTA, Marcelo and MENDOZA, Octavio, *An approach to the finitistic dimensions conjecture*, J. Algebra, **319(9)** (2008) 3918-3934.

BREWSTER, Richard, DEDIC, Renato, QUEEN, Jeffrey and HUARD, François, *Edge-coloured homomorphisms and the recognition of bounded quivers*, Discrete Maths, **297** (2005) 13-25.

HUARD, François, *Tilted algebras having underlying graph \mathbb{D}_n* , Annales des Sciences Mathématiques du Québec (2001), **25** (1) (2001) 39-46.

HUARD, François, *One-point extensions of quasi-tilted algebras by projectives*, Comm. Algebra **29** (7) (2001) 3055-3060.

HUARD, François and LIU, Shiping, *Tilted string algebras*, J. Pure and Applied algebra **153** (2000) 151-164.

HUARD, François and LIU, Shiping, *Tilted special biserial algebras*, J. Algebra **217** (1999), 679-700.

HUARD, François, *Tilted gentle algebra*, Comm. Algebra **26** (1) (1998) 63-72.

Plenary lectures

2005, October 15
Colloque ISM sur la route,
La conjecture de dimension finitiste.

2001, May 18
Algebra and Number Theory Day,
McGill University, Montreal,
Title: *Flèches, Cordes et Carquois*.

Communications

2007, October 5
International conference on representation theory and related topics
Northeastern University, Boston, Massachusetts
Title: *Finitistic dimension through infinite projective dimension*.

- 2004, September 14
 Non commutative artinian algebras, representations and cohomology
 Centre International de Rencontres Mathématiques, Luminy, France
 Title: *A short proof of fin. dim. for special biserial algebras.*
- 2003, October 2
 AGATA Research seminar
 Université Montpellier 2, Montpellier, France
 Title: *Sur un résultat d'Igusa et Todorov*
- 2003, June
 Algebra seminar
 Universidad de la Republica, Montevideo, Uruguay
 Title: *On the finiteness of global dimension for artinian rings*
- 2002, June 15-17
 Canadian Mathematical Society Meeting Université Laval, Québec
 Title: *Unit forms of tree algebras*
- 2002, June 3-8
 Venezia Algebra Conference
 Venice, Italy
 Title: *Unit forms of tree algebras*
- 2001, November 23-24
 Bishop's University-Université de Sherbrooke 13th Representation theory
 meeting, Université de Sherbrooke.
 Title: *Monomial trees and edge colored homomorphisms* (joint R. Brewster).
- 2000, November 18
 54th Quebec Mathematics Colloquium
 Concordia University, Montreal
 Title: *Tilted Algebras having underlying graph \mathbb{D}_n*
- 2000, June 3-4
 International Conference on Representations of Algebras and Related Topics
 Northeastern University, Boston, Massachusetts.
 Title: *One-Point Extensions of Quasi-tilted Algebras by Projectives.*
- 1999, October 30
 CSMQ (Colloque des sciences mathématiques du Québec)
 Hotel Delta, Sherbrooke, Québec, Canada.
 Title: *One-point extensions of quasi-tilted algebras by projectives.*
- 1999, July 23
 CRASP (Conference in Representation theory of Algebras in São-Paolo)
 University of São-Paolo, Brazil.
 Title: *Quasi-tilted special biserial algebras.*

1998, October 22
Bishop's University-Université de Sherbrooke 10th Representation theory meeting, Bishop's University.
Title: *Tilted special biserial algebras*.

1998, May 8-9-10
ISM (Institut des sciences mathématiques) graduate students conference, Université de Sherbrooke.
Title: *Algèbres bisérielles spéciales inclinées*.

1998, April 24-25
Colloque des sciences mathématiques du Québec, Université du Québec à Montréal (UQAM).
Title: *Algèbres bisérielles spéciales inclinées*.

1997, October 24-25
Bishop's University-Université de Sherbrooke 9th Representation theory meeting, Université de Sherbrooke.
Title: *Tilted string Algebras*.

1997, October 17-19
Colloque des sciences mathématiques du Québec, Université du Québec à Trois-Rivières.
Title: *Algèbres de cordes inclinées*.

1997, February 11
Representation theory's seminar, Bielefeld University, Bielefeld, Germany.
Title: *Gentle tilted algebras*.

1996, April 20
Colloque des sciences mathématiques du Québec, University of Ottawa.
Title: *One point extension of tilted algebras*.

1995, October 14
Colloque des sciences mathématiques du Québec, Cégep de Lévis-Lauzon.
Title: *Algèbres aimables inclinées*.

1994-present
Active participation in Bishop's University-Université de Sherbrooke's weekly "Séminaire de théorie des représentations" (at least 15 talks).

Participation to International conferences

2007, October 4 - October 7
International Conference on Representations of Algebras and Related Topics, Northeastern University, Boston, USA.

2005, August 1-9
XVI Coloquio latinoamericano de algebra,
Colonia del Sacramento, Uruguay.

2004, September 13-17
Non commuative artinian rings, representations and cohomology,
Centre International de Rencontres Mathématiques, Luminy, France.

2003, July 14-21
International conference on rings, modules and algebras,
Lisboa, Portugal.

2002, October 4-6
American Mathematical Society, sectional meeting,
Northeastern University, Boston.

2002, July 22-26
10th International Conference on Representations of Algebras,
Fields Institute, Toronto, Canada.

2002, June 15-17
Canadian Mathematical Society Meeting,
Université Laval, Québec, Canada.

2002, June 3-8
Venezia Algebra Conference,
Venice, Italy.

2001, May 23 - May 26
American Mathematical Society - Sociedad Matemática Mexicana 5th joint,
meeting, Morelia, Michoacan, Mexico.

2000, August 21 - September 1
International Conference on Representation Theory of Algebras,
and Related Topics (ICRA IX)
Beijing Normal University, Beijing, China.

2000, June 3 - June 4
International Conference on Representations of Algebras and Related Topics,
Northeastern University, Boston, USA.

1999, July 12 - July 25
Conference on representations of algebras (CRASP),
University of Sao-Paulo, Sao-Paulo, Brazil.

1999, March 16 - March 20
Euroconference, Homological Invariants in Representation Theory,
University of Ioanina, Ioanina, Greece.

1997, January 5 - March 29
Visit for research purposes at Bielefeld's University, Bielefeld, Germany.

1996, July 28-August 11
International conference on representation of algebras (ICRA VIII) meeting,
Trondheim and Geiranger, Norway.

Organization of Conferences and other events

Main organizer of the *Camp mathématique de l'AMQ* held at
Bishop's University in 2006 and 2008.

1999-2007
Member of the organizing Committee for the *11th, 12th, 13th, 14th, 16th*
and 17th Representation theory meeting held alternately at Bishop's and
l'Université de Sherbrooke.

2002, Winter
Coorganizer of the "Associative Algebras Session" for the Canadian
Mathematical Society, Université Laval, Québec.

2001, Summer
Member of the local organizing committee for the *Algebra Summer*
Colloquium held at Bishop's University, July 16, 2001.

2001, Winter
Main organizer of the 55th Quebec Mathematics Colloquium held at Bishop's
University, April 18 , 2001.

1998, Winter
Member of the local organizing committee for the *Institut des*
sciences mathématiques (ISM) graduate students conference held at
l'Université de Sherbrooke, may 8-9-10, 1998.