

Personal information

Last name / First name	Fima Pierre
Nationality	French
Date of birth	June 2, 1981 in Les Lilas, France.
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Employment

2008-2009	J.L. Doob Research Assistant Professor, University of Illinois at Urbana-Champaign, USA.
2007-2008	A.N.R. Postdoctoral researcher, University of Franche-Comté, Besancon, France.

Education

2004-2007	Ph. D. in Mathematics, University of Caen, France. Adviser : Prof. L. Vainerman. Title : <i>Constructions et exemples de groupes quantiques localement compacts</i> . Defence : Novembre 15, 2007
2001-2004	Graduate studies in Mathematics, Ecole Normale Supérieure, Paris, France.
1999-2001	Undergraduate studies in Mathematics, University Paris 6, France.

Publications

On locally compact quantum groups whose algebras are factors, Journal of Functional Analysis, volume 244, Issue 1, 1 March 2007, Pages 78-94.

Twisting and Rieffel's deformation of locally compact quantum groups. Deformation of the Haar measure, with L. Vainerman, Communications in Mathematical Physics, Volume 286, Number 3, March 2009, Pages 1011-1050.

A locally compact quantum group of upper triangular matrices, with L. Vainerman, Ukrainian Math. Journal, Volume 60, No 4 (2008), pp. 564 - 577

Kazhdan's property T for discrete quantum groups, to appear in International Journal of Mathematics.

Talks

- 03/2009 Talk at the *AMS meeting, special session on Operator Spaces and Operator Algebras*, University of Illinois at Urbana Champaign, Illinois, USA.
- 09/2008 Talk at the *Wabash Miniconference*, Indianapolis, Indiana, USA.
- 05/2008 Talk at the *Journées espaces L_p non-commutatifs*, Besancon, France.
- 04/2008 Talk at the *International Conference on Operator Algebras*, IRMA, Marrakech, Morocco.
- 02/2008 Talk at the *Journées Groupes Quantiques*, IRMA, Strasbourg, France.
- 11/2007 Talk at the *French-Italian Meeting on Noncommutative Geometry*, Rome, Italy.
- 10/2007 Talk at the *Workshop on Noncommutative Manifolds II*, Trieste, Italy.
- 06/2007 Talk at the meeting of the GDR *Noncommutative Geometry*, Fleurance, France.
- 06/2005 Talk at the meeting of the GDR *Operator Algebras*, Les Houches, France.
- 06/2005 Talk at the *Workshop on Operator Algebras, Operator Spaces and Noncommutative Probability*, University of Franche-Comté, Besancon, France.
- 06/2004 Talk at the meeting of the GDR *Operator Algebras*, CIRM, Marseille, France.

Seminars.

- 04/2009 Talk at the Wabash Extramural seminar, Wabash College, Indiana, USA.
- 02-04/2009 Several talks at the working seminar *Analytic Aspect of Compact Quantum Groups*, University of Illinois at Urbana-Champaign, USA.
- 01/2009 Seminar *Analysis*, University of Illinois at Urbana Champaign, Illinois, USA.
- 01/2009 Seminar *Operator Algebras*, University of Orléans, Orléans, France.
- 01/2009 Seminar *Non commutative harmonic analysis*, University of Caen, France.
- 01/2009 Seminar *Operator Algebras*, Institute of Mathematics of Jussieu, Paris, France.
- 10/2008 Seminar *Noncommutative Geometry Seminar*, PennState University, Pennsylvania, USA.
- 09/2008 Two talks at the working seminar *Analytic Aspect of Compact Quantum Groups*, University of Illinois at Urbana-Champaign, USA.
- 06/2008 Seminar *Non commutative harmonic analysis*, University of Caen, France.
- 04/2008 Seminar *Operator Algebras*, Institute of Mathematics of Jussieu, Paris, France.
- 03/2008 Seminar *Operator Algebras*, University of Clermont-Ferrand, Clermont-Ferrand, France.
- 02/2008 Seminar *Operator Algebras*, University of Orléans, Orléans, France.
- 12/2007 Two talks at the working seminar *Functional analysis*, University of Franche-Comté, Besancon, France.
- 11/2007 Seminar *Non commutative harmonic analysis*, University of Caen, France.
- 11/2007 Seminar *Functional analysis*, University of Franche-Comté, Besancon, France.
- 05/2007 Seminar *Geometry and physics*, Institute of Mathematics of Toulouse, Paul Sabatier University, Toulouse, France.
- 05/2007 Seminar *Young researcher*, University of Caen, France.
- 02/2007 Two talks at the seminar *Young researcher*, University of Caen, France.
- 01/2007 Seminar on *Operator Algebras*, Department of Mathematics, K.U.Leuven, Belgium.
- 11/2006 Seminar on *Operator Algebras*, Institute of Mathematics of Jussieu, Paris, France.
- 11/2006 Two talks at the seminar *Non commutative harmonic analysis*, University of Caen, France.
- 10/2006 Three talks at the seminar *Non commutative harmonic analysis*, University of Caen, France.
- 12/2005 Seminar *Non commutative harmonic analysis*, University of Caen, France.
- 11/2005 Three talks at the seminar *Non commutative harmonic analysis*, University of Caen, France.
- 10/2005 Seminar *Young researcher*, University of Caen, France.
- 03/2005 Seminar *Young researcher*, University of Caen, France.
- 01/2005 Seminar *Young researcher*, Institute of Mathematics of Jussieu, Paris, France.
- 10/2004 Two talks at the seminar *Non commutative harmonic analysis*, University of Caen, France.

- 03/2004 Talk at the working seminar *Correspondance*, Institute of Mathematics of Jussieu, Paris, France.
- 03/2003 Two talks at the working seminar *Quantum computation*, Department of Mathematics and Applications, Ecole Normale Supérieure, Paris, France.
- 12/2002 Two talks at the working seminar *Quantum computation*, Department of Mathematics and Applications, Ecole Normale Supérieure, Paris, France.

Other conferences

- 10/2008 Participation in the conference *East Coast Operator Algebras Symposium*, PennsState University, Pennsylvania, USA.
- 02/2007 Participation in the conference *Groupoids in Operator Algebras and Noncommutative Geometry*, IHP, Paris, France.
- 03/2006 Participation in the meeting of the GDR *Noncommutative Geometry*, CIRM, Marseille, France.
- 05/2005 Participation in the *Third Annual Spring Institute on Noncommutative Geometry and Operator Algebras*, Vanderbilt University, Nashville, Tennessee, USA.
- 01-02/2004 Participation in the residential session on *Noncommutative geometry in mathematics and physics*, CIRM, Marseille, France.

Lecture series

- 2007-2008 Lecture on *Compact Quantum Groups*, University of Franche-Comté, Besancon, France.

Organisation of seminars

- 2008-2009 Working Seminar: *Analytic Aspect of Compact Quantum Groups*, University of Illinois at Urbana-Champaign, USA.

PhD. Committee member

- 2008-2009 Thomas Cooney, Advisor: Zhong-Jin Ruan, University of Illinois at Urbana-Champaign, USA.

Teaching

- 2008–2009 Mathematics: Fundamental Mathematics, University of Illinois at Urbana-Champaign, USA.
Mathematics: Introductory Matrix Theory, University of Illinois at Urbana-Champaign, USA.
- 2006–2007 Mathematics: Measure Theory and Integration, University of Caen, France.
Mathematics: Mathematics for biologist, University of Caen, France.
- 2005–2006 Mathematics: Real Analysis, University of Caen, France.
- 2004–2005 Mathematics: Mathematics for physicist, University of Caen, France.
Mathematics: Linear algebra, University of Caen, France.