BIRANT RAMAZAN

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EDUCATION

01/93-06/98	**University of Orléans, France** **Ph.D.** in mathematics, June 1998. Thesis: *Deformation quantization of Poisson-Lie manifolds.*
10/91-06/92	**University of Orléans, France** Graduate student in mathematics.
09/88-06/89	**University of Bucharest, Romania** Special year in Operator Algebras.
09/84-06/88	**University of Bucharest, Romania;** undergraduate studies **B.S.** in mathematics: June 1988. Thesis in Noncommutative probability.

EMPLOYMENT

10/98-Present	**Institute of Mathematics, Bucharest, Romania** Senior Researcher
07/90-09/98	**Center of Mathematical Statistics, Bucharest, Romania** Researcher
09/95-08/98	**University of Orléans, France** Teaching Assistant: Linear Algebra, Calculus, Probability, Statistics.
09/90-07/91	**University of Bucharest, Romania.** Instructor: Measure Theory, Topology, Probability, Statistics.
09/89-06/90	**Mircea Cel Batrin High School, Constanta , Romania.** Math Teacher

PH.D. THESIS

Introduced a groupoid framework for the deformation quantization and solved the problem of the existence of strict quantizations for the Lie-Poisson manifolds.

- Baker-Campbell-Hausdorff type formula for Lie groupoids
- Fourier transform on commutative groupoids; Schwartz spaces and Fourier transform on vector bundles.
- Explicit local formula for the Poisson bracket on a Lie-Poisson manifold.
- Intrinsic construction of the C^*-algebras associated to Lie groupoids.
- Semi-continuity of the fields of C^*-algebras (full and reduced) associated to a continuous field of locally compact groupoids.
- Calculation of the derivative of the commutator on the tangent groupoid

COMPUTER SKILLS

- Operating systems : Unix, Linux, DOS, Windows 3.x, 9x, Mac OS
- Creation of web pages: "Operator Algebras Home Page" and "Groupoid Home Page" (look at http://pompeiu.imar.ro/~ramazan/)
- FORTRAN, Pascal, MATLAB

PUBLICATIONS

- "Quantification par déformation des variétés de Lie-Poisson", Ph.D. thesis, University of Orléans, France, June 1998.
- "Limite classique de C*-algèbres de groupoides de Lie", in Comptes Rendus Acad. Sci. Paris, Série I, t.329, 603–606, 1999.
- "Quantization of the Poisson algebras associated with Lie algebroids" (with N.P. Landsman), to appear in Contemporary Mathematics, *Groupoids in physics, analysis and geometry*, Eds. J. Kaminker, A. Ramsay, J. Renault, A. Weinstein.
- "A Baker-Campbell-Hausdorff type formula for Lie groupoids", submitted to Rev. Roumaine Math. Pures
- "Groupoides et quantification", survey to appear in the Proceedings of the Workshop on Deformation Quantization and String Theory, Glanon, France
- Book Review: *Groupoids, Inverse Semigroups, and their Operator Algebras, Alan L.T. Paterson*, in Journal of Operator Theory, 42(1999)

TALKS AT CONFERENCES

- Workshop at the Faculty of Mathematics, University of Bucharest, 1989
- Summer school in Statistics, Cortona, Italy, July 1991.
- Conference dedicated to the 25th anniversary of the Center of Mathematical Statistics, September 1994
- 17th International Conference on Operator Theory, Timişoara, Romania, June 23-26, 1998
- Workshop on Quantization, Operator Algebras and Knot Theory, Enschede, The Netherlands, october 8-10, 1998
- Workshop "Operator Algebras and Applications", CIRM, Luminy, France, 12-16 octobre 1998
- Joint Summer Research Conference "Groupoids in analysis, geometry and physics", Boulder, Colorado, 20-24 June 1999.
- Workshop on Deformation Quantization and String Theory, Glanon, France, June 26 - July 3, 1999.

FOREIGN LANGUAGES

Fluent in French, English and Turkish.