# Jean Renault

• E-Mail: jean.renault@univ-orleans.fr

• http://www.univ-orleans.fr/mapmo/membres/renault/

## Education

Ph.D. in Mathematics. University of California at Berkeley (USA). November 1978.

## Position

Professor. Department of Mathematics. University of Orléans.

## Domains of Research

Operator Algebras and Dynamical Systems

## Advanced Courses and Summer Schools (since 2005)

Course *C\*-algebras and dynamical systems.* 27ème Colóquio Brasileiro de Matemática, IMPA, Rio de Janeiro, Brazil (July 27-31, 2009)

Cours *C\*-algèbres et systèmes dynamiques.* Summer School of the Fields Institute, Ottawa, Canada.(August13-24, 2007)

## Invited Conferences in 2014

*Groupoid Correspondences and C\*-correspondences,* Hausdorff Institute, Bonn (September 2014).

*Correspondences, induced representations, and hypergroupoids,* 25th International Conference on Operator Theory, Timisoara, Romania; CNRS-GDR NCG Conference, Anogia, Crete (July 2014); XX Coloquio Latinoamericano de Algebra, Lima, Peru (December 2014).

*Semigroup actions, higher rank graphs and groupoids,* Concentration Week on groups, groupoids, and dynamics, Texas A & M, USA. (June 2014)

*Partial semigroups actions and groupoids,* PARS conference, Gramado, Brazil. (May 2014)

## Recent Publications

J. Renault, *Continuous bounded cocycles,* Proceedings of EU-NCG 4th Annual Meeting, The Theta Foundation (2012), 121-135.

J. Renault, *Groupoid cocycles and derivations,* Ann. Funct. Anal. , vol **3**, number **2** (2012), 1-20.

R. D. Holkar and J. Renault, *Hypergroupoids and C\*-algebras*, C. R. Acad. Sci. Paris, Ser. I 351 (2013) 911-914.

J. Renault, *Topological amenability is a Borel property*, to appear in Math. Scand.

J. Renault, *Induced representations and hypergroupoids*, SIGMA 10 (2014), 057.

J. Renault and S. Sundar, *Groupoids associated to semigroup actions*,

to appear in J. of Operator Theory.

J. Renault and D. Williams, Amenability of groupoids arising from partial semigroup actions and topological higher rank graphs, to appear in Trans. Amer. Math. Soc.

## Monographs

J. Renault, _A groupoid approach to C\*-algebras_, Lecture Notes in Mathematics, No. **793**, Springer-Verlag, Berlin-New York, 1980.

C. Anantharaman-Delaroche and J. Renault, _Amenable groupoids_ _(with an appendix by_ E. Germain_)_, Monographie de l'Enseignement Mathématique (Genève), **36**, 2000.

J. Renault, _C\*-algebras and dynamical systems_, Publicações Matemáticas do IMPA, 27 o Colóquio Brasileiro de Matemáticas, Rio de Janeiro, 2009.