

JEAN V. BELLISSARD

School of Mathematics & School of Physics
Georgia Institute of Technology, Atlanta, GA 30332-0160

EDUCATION:

Ph.D. in Physics, Université de Provence Marseille, 1974 (thesis advisor: R. Stora)
Licences de Physique and Mathématiques, Université de Lyon I, (1967)

PROFESSIONAL EXPERIENCE:

2002–present Professor of Mathematics and Physics, Georgia Tech
1991–2002 Professor, Université Paul Sabatier, Toulouse France
1991–2000 Director and founder of the Theoretical Physics Group, Toulouse,
1995–present Senior Member Institut Universitaire de France

ACADEMIC HONORS:

The French Physical Society Langevin Prize in Physics 1989
Chevalier de l'Ordre des Palmes Académiques, France, 1996

SCIENTIFIC ADVISORY COMMITTEES:

Chief Editor of the Annales de l'Institut Henri Poincaré 1993-1999

GRADUATE ADVISING (in past 5 years):

Ph.D. students: H. Schulz-Baldes D. Spehner, M. Zarrouati, J. Savinien, 4 M.Sci. students in all.

CURRENT RESEARCH SUPPORT:

School of Mathematics and School of Physics, Professor

OTHER COLLABORATORS (in past 48 months):

A. Borelli, R. Benedetti, C. Camacho, F. Claro, E. Contensou, J.-Y. Fortin, J.-M. Gambaudo, I. Guarneri, M. Gusmão, D. Hermmann, P. Jacquod, J. Kellendonk, A. Legrand, R. Mosseri, R. Rebolledo, H. Schulz-Baldes, D.L. Shepelyansky D. Spehner, J. Vidal, W. von Waldenfels, M. Zarrouati, T. Ziman

SELECTED PUBLICATIONS:

1. "Quantized Fields in Interaction with External Fields I." *Comm. Math. Phys.*, **41**, 235, (1975).
2. "Quantized Fields in External Fields II- The Existence Theorems", *Comm. Math. Phys.*, **46**, 53-74, (1976).
3. "Homogeneous Self Dual Cones Versus Jordan Algebras" (with B. Iochum), *Ann. Inst. Fourier*, **28**, 1 (1978).
4. "Cantor Spectrum for the Almost Mathieu Equation" (with B. Simon), *J.Funct. Anal.*, **48**, 408-419, (1982).
5. "Stability and Instability in Quantum Mechanics" (in "Schrödinger Operators"), *Lecture Notes in Mathematics*, **1159**,204 (1985),
6. "Gap Labelling Theorems for Schrödinger's Operators" (in "From Number Theory to Physics" pp.538-630), Springer, J.M. Luck, P. Moussa & M. Waldschmidt Eds., (1993).
7. "Non Commutative Methods in Semiclassical Analysis" *Lecture Notes in Mathematics*, **1589** (1994).
8. "The Non Commutative Geometry of the Quantum Hall Effect" (with A. van Elst, H. Schulz-Baldes) *J. Math. Phys.*, **35**, 5373 (1994),
9. "Hull of Aperiodic Solids and Gap Labelling Theorems", (with M. Zarrouati & D. Hermmann), in *Directions in Mathematical Quasicrystals*, CRM Monograph Series, Volume **13**, (2000), 207-259, M.B. Baake & R.V. Moody Eds., AMS Providence.