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Education:

- 2004 Qualification as Professor in French Universities. France.
- 2003 Qualification to supervise Graduate students in France. (Thesis and Defense in French).
Université Joseph Fourier (Grenoble 1), Grenoble, France.
- 1996 Ph.D. in Physics. Rutgers University, Piscataway, New Jersey.
- 1988 BA in Physics. *Licenciado en Ciencias Físicas*. Universitat Autònoma de Barcelona, Spain.

Professional Experience:

- 2007-present University Lecturer, Department of Physics, New Jersey Institute of Technology
- 2005-2007 Adjunct Professor, The College of New Jersey.
- 2006-2007 Adjunct Professor, Mercer County Community College
- 2005 Part Time Lecturer, Rutgers University.
- 2003-2005 Thesis supervisor, Université Joseph Fourier, Grenoble, France.
- 2001-2004 Post-doctoral position, European Synchrotron Radiation Facility, Grenoble, France.
- 1997-2001 Post-doctoral position, Institut Laue Langevin, Grenoble, France.
- 1995-1997 Post-doctoral position, Theoretical Physics, Department of Physics, University of Oxford, United Kingdom.
- 1995 Teaching Assistantship, Rutgers University.
- 1993-1994 Graduate Assistantship, Rutgers University.
- 1988-1993 Teaching Assistantship, Rutgers University.

Awards :

- 2013 Excellence in Teaching Award, Instruction by a University Lecturer,
New Jersey Institute of Technology.

Publications :

Thesis:

A. Jerez, "Solution of the anisotropic multichannel Kondo model", *Dissertation*, Rutgers University, New Jersey, January 1996.

A. Jerez, "I.- Symmetries and Kondo effect; II.- X-Ray dichroism in non-centrosymmetric crystals", *Thèse d'Habilitation à Diriger des Recherches* (in French), Université Joseph Fourier (Grenoble I), Grenoble, December 2003.

Books:

N. Andrei, "Integrable Models in Condensed Matter Physics", *Lecture Notes of ICTP Summer Course, September 1992. Low-Dimensional Quantum Field Theories for Condensed Matter Physicists*, pp. 458-551. Editors: S. Lundquist, G. Morandi, et Yu Lu. World Scientific (1995). *Co-author of the fourth chapter.*

Articles:

N. Andrei, A. Jerez, "Fermi and Non-Fermi Liquid Behavior in the Anisotropic Multichannel Kondo Model-Bethe Ansatz Solution", *Physical Review Letters*, Vol. 74, 1995, pp. 4507-4510.

A. Jerez, N. Andrei, G. Zaránd, "Solution of the multichannel Coqblin-Schrieffer impurity model and application to multilevel system", *Physical Review B*, Vol. 58, 1998, pp. 3814-3841.

N. Andrei, M. R. Douglas, A. Jerez, "Chiral liquids in one dimension: A Non-Fermi-liquid class of fixed points", *Physical Review B*, Vol. 58, 1998, pp. 7619-7625.

G. Zaránd, T. Costi, A. Jerez, and N. Andrei, "Thermodynamics of the anisotropic two-channel Kondo problem", *Physical Review B*, Vol. 65, 2002, pp. 134416.

P. Carra, A. Jerez, and I. Marri, "X-ray Dichroism in Noncentrosymmetric crystals", *Physical Review B*, Vol. 67, 2003, pp. 045111.

A. Jerez, M. Lavagna, D. Bensimon, "Strong-coupling fixed point instability in a single-channel $SU(N)$ Kondo model", *Physical Review B*, Vol. 68, 2003, pp. 094410.

A. Jerez, P. Vitushinsky, M. Lavagna "Theoretical Analysis of the Transmission Phase Shift of a Quantum Dot in the Presence of Kondo Correlations", *Physical Review Letters*, Vol. 95, 2005, pp. 127203.