

## Eric Suraud

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Born on february 28, 1959 in Lyon, France  
Married, 3 children

### Undergraduate and graduate studies

- 1978-1981 Ecole Polytechnique
- 1981-1982 Graduate studies in Theoretical Physics, Paris
- 1982-1984 PhD in Theoretical Physics (February 1984, Orsay)
- 1989 Habilitation (February 1989, Grenoble)

### Positions

- January 1985 : Assistant Professor, second class, (Univ. J. Fourier, Grenoble 1)
- January 1987 : Assistant Professor, first class (Univ. J. Fourier, Grenoble 1)
- 1988 : Visiting scientist at Kernfysisch Versneller Instituut (Groningen, The Netherlands)
- November 1988 - September 1992 : Researcher at CEA/GANIL in Caen
- October 1992 : Associate Professor (Univ. P. Sabatier, Toulouse 3)
- Dec. 1992 – Feb. 1993 : Invited Prof. at Yukawa Inst. Theoret. Phys. (Kyoto, Japan)
- September 1998 : Full Professor (Univ. P. Sabatier, Toulouse 3)
- September 2004 : Distinguished Professor (Univ. P. Sabatier, Toulouse 3)

### Publications and invited conferences

- 181 articles in international peer reviewed journals including 17 review articles and 5 general audience papers (refereed)
- 89 conference proceedings including 30 refereed
- 135 invited presentations in conferences
- 77 invited seminars in laboratories

### Awards and honorary positions

- Junior member at Institut Universitaire de France (1994-1999) <http://iuf.amue.fr>
- Bessel Prize 2002 (Humboldt Foundation, Germany), <http://www.avh.de/>
- Member of European Academy of Sciences since 2003, <http://www.eurasc.org/>
- Senior member at Institut Universitaire de France (2010-2018)
- Adjunct Professor, University at Buffalo, State University New York, USA since 2013
- Corresponding member of the European Academy of Science Arts and Letters since 2014, <http://www.europeanacademysciencesartsandletters.com>
- Member of Academia Europaea since 2014, <http://www.ae-info.org>
- Elected « Fellow » of the American Physical Society in 2015

### Major responsibilities

- Chargé de mission « Teaching of subatomic physics» at l'IN2P3 (2002-2003)
- Chargé de mission « Theoretical Physics», at Research Ministry in France (2003)
- Director of IRSAMC, Institut de Recherche sur les Systèmes Atomiques et Moléculaires Complexes (FR2568/CNRS), Toulouse (2001-2006). IRSAMC gathered 4 laboratories with about 100 permanent staff and 40 non permanent.
- Scientific Deputy-Director at IN2P3 (Institut National de Physique Nucléaire et de Physique des Particules) in CNRS, in charge of interdisciplinarity, relations with universities and regions (mid 2003- beginning 2007), then (2006 and 2007) in charge of laboratories (20 laboratories, about 2500 permanent staff including about 800 researchers).

- President of the ANR (Agence Nationale de la Recherche, France) scientific committee on «Condensed and dilute matter» since 2013

- Editor at

- J. Phys. **G** (IOP) from 1992 to 1995
- Int. J. Molecular Sciences from 1999 to 2003
- Actes de Savoirs (revue de l'IUF, PUF, Paris) up to 2008
- Annales de Physique (Paris) (Chief Editor) from 1996 to 2009
- Euro. Phys. Journ. Special Topics since 2009
- Member of Editorial advisory board, Versita science publishing, then de Gruyter
- Euro. Phys. Journ. D since 2014

### **Other responsibilities and achievements**

- Co-organizer of 24 conferences (more than half with proceedings) and participation in several International Advisory Committees of workshops and conferences
- Supervisor of 14 PhD thesis 10 post docs, 24 short term students
- Numerous expertise activities in France and abroad (selection committees, refereeing, laboratory committees...)
- Responsibility and/or participation in numerous national and international projects

### **Writing of scientific books**

- *La matière nucléaire ... des supernovae aux noyaux*, E. Suraud, Coll. "Enseignement des Sciences", vol. 51, Hermann, Paris, 1998
- *Physique des collisions nucléaires*, E. Suraud, Coll. "Enseignement des Sciences", vol. 49, Hermann, Paris, 1998
- *Nuclear Dynamics in the nucleonic regime*, D. Durand, E. Suraud, B. Tamain, Fundamental and applied nucl. phys. ser., Institute of Physics Publishing, Londres, 2000
- *Introduction to cluster dynamics*, P. G. Reinhard, E. Suraud, Wiley VCH, Berlin, 2003
- *Océans et gouttelettes quantiques*, M. Dinh, J. Navarro, E. Suraud, CNRS Editions, Paris, 2007
- *Simple models of many fermion systems*, J. Maruhn, P. G. Reinhard, E. Suraud, Springer, 2010
- *A primer in cluster science*, M. Dinh, P.G Reinhard, E. Suraud, Wiley-VCH, 2013

### **Research activities**

My research activities are focused on the dynamics of complex systems, especially finite fermion systems (nuclei, clusters). After my PhD on dense matter in supernovae I worked on thermodynamics of atomic nuclei and on the dynamics of nuclear collisions. I then started a research program on dynamics of metal clusters in strong fields in which I mostly work on problems of irradiations by intense lasers. In these various fields of research I was highly interested in the methods of the many-problem in relation to mean-field and kinetic theories (quantal and semi-classical) and to their stochastic extensions. In parallel to these theoretical developments I always stayed in close contact with experimental results obtained in my fields of study.

Personal Web page

<http://www.lpt.ups-tlse.fr/spip.php?article35>