

## Eric Suraud

Emeritus Distinguished Professor of Physics

Honorary Professor at Queen's University, Belfast

Laboratoire de Physique Théorique (CNRS, UMR 5152)

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<https://lpt.univ-tlse3.fr/en/fiche-annuaire/suraud-eric-2/>

Page Web « Who is Who » :

[https://www.whoswho.fr/bio/eric-suraud\\_68768](https://www.whoswho.fr/bio/eric-suraud_68768)



Born on february 28, 1959 in Lyon, France

Married, 3 children

### Undergraduate and graduate studies

- 1978-1981 Ecole Polytechnique, Palaiseau, France
- 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)
- May-October 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. for Theoret. Phys. (Kyoto, Japan)
- September 1998 : Full Professor (Univ. P. Sabatier, Toulouse 3)
- September 2004 : Distinguished Professor first class (Univ. P. Sabatier, Toulouse 3), second class in 2010
- Doctoral training (also renamed Scientific Excellence) bonus continuously since 1993

### Publications and invited conferences

- more than 200 articles in international peer reviewed journals including 20 review articles
- 75 published conference proceedings including 15 refereed
- more than 165 invited presentations in conferences (including 150 in international conferences)
- 50 additional contributed talks in conferences (20 in national meetings, 30 in international conferences)
- 81 invited seminars in laboratories (36 in France, 45 in foreign countries)

### Scientific recognition, awards and honorary positions

- Junior member at Institut Universitaire de France (1994-1999) <https://www.iufrance.fr/>
- Bessel Prize 2002 (Humboldt Foundation, Germany), <https://www.humboldt-foundation.de/en/apply/sponsorship-programmes/friedrich-wilhelm-bessel-research-award>
- Elected at the European Academy of Sciences in 2003, <https://www.eurasc.eu>
- Senior member at Institut Universitaire de France (2010-2018)
- Adjunct Professor, University at Buffalo, State University New York, USA 2013-2016, <https://arts-sciences.buffalo.edu/physics/faculty/Adjunct-faculty-directory.html>

- Elected at Academia Europaea in 2014, <http://www.ae-info.org>
- Elected « Fellow » of the American Physical Society in 2015, <https://www.aps.org/programs/honors/fellowships/>
- Part time Professor at Queen's University, Belfast, UK, 2017-2020 <https://www.qub.ac.uk>
- Elected corresponding member of the Académie des Sciences, Inscriptions et Belles Lettres de Toulouse, in 2018, full member from 2022 on, <http://academie-sciences-lettres-toulouse.fr>

### Major responsibilities

- Chargé de mission « Teaching of subatomic physics» (2002-2003) at IN2P3 (Institut National de Physique Nucléaire et de Physique des Particules, National Institute for Nuclear and Particle Physics) in CNRS, involving the organization of summer schools for high school teachers
- Chargé de mission « Theoretical Physics» (only 1 in France), at Research Ministry in France (2003) for expertise and funding of all french laboratories in theoretical physics
- Director of IRSAMC, Institut de Recherche sur les Systèmes Atomiques et Moléculaires Complexes, Toulouse (2001-2006). IRSAMC gathered at that time 4 laboratories with about 100 permanent staff and 40 non permanent people. I transformed the original informal institute in a « Federation de Recherche » CNRS structure (FR2568) with recurrent funding from ministry of research and CNRS.
- Scientific Deputy-Director at IN2P3 in CNRS, in charge of cross-disciplinarity, theory and relations with universities and regions (fall 2003 - summer 2007), then (2006 and 2007) in charge of laboratories operational costs (23 laboratories, about 2500 permanent staff including about 800 researchers) with a total budget of about 10 M€ per year to manage.
- Chargé de mission "Physics" at CNRS (2007-2010) for follow up of ANR (Agence Nationale de la Recherche, French National Funding Agency) projects (on the fly evaluation and support, supervision of scientific committees)
- President of the ANR scientific committee on «Condensed and dilute matter» 2013-2016
- Appointed member at CNU (Conseil National des Universités, National Council of Universities) in section 30 « Dilute media and optics » 2015-2019

### Editorial activities

Member of editorial board of

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

### Other responsibilities and achievements over the years

- Co-organizer of 34 workshops and conferences (17 french ones, 17 international ones) including 10 with published proceedings (4 as major editor)
- Supervisor of 18 PhD thesis (16 at 100%, 2 at 50%), 11 post docs, 24 short term students
- Numerous expertise activities in France (selection committees, refereeing, laboratory committees...) and abroad (for national agencies in western European countries, USA, Canada, for Europe including expertise for ERC and ESF... )
- Presidence of several local committees for recruitment (Assist. Prof. And Prof.) and promotion of professors, participation in Prix Thibaud committee during 10 years, in Feenberg medal committee (2017), president of Feenberg medal committee (2019)
- Member of several International Advisory Committees of international workshops and conferences
- Member or president of several tens of PhD or Habilitation committees in France, Germany, Austria, Spain,...
- Responsibility and/or participation in numerous national and international projects (ANR, bilateral projects with Spain, Germany, Bulgaria, China, COST actions, Marie Curie ITN, RISE networks, ...)
- Referee for J. Phys A, B and G, J. Phys. Cond. Mat., Nucl. Phys. A, Phys. Rev. A, B, C, E, Phys. Rev. Lett., Phys. Lett. A and B, J. Phys. Chem, J. Chem. Phys., Euro. Phys. Journ. A, B, D...

**Books (as (co)-author, excluding edition of a few conference proceedings)**

- *La matière nucléaire ... des supernovae aux noyaux*, **E. Suraud**, Coll. "Ens. 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, Fund. Appl. Nucl. Phys. Ser., CRC Press, London, 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, Heidelberg, 2010
- *A primer in cluster science*, M. Dinh, P.G Reinhard, **E. Suraud**, Wiley-VCH, Berlin, 2013
- *An introduction to quantum fluids*, M. Dinh, J. Navarro, **E. Suraud**, CRC press, London, 2017
- *Guidebook in real time electron dynamics, Irradiation dynamics from molecules to nano clusters*, J. Kohanoff, P. G. Reinhard, L. Stella, **E. Suraud**, CRC press, London, 2024