

RESUMÉ LUIZ DAVIDOVICH

PRESENT POSITIONS:

- Emeritus Professor, Universidade Federal do Rio de Janeiro, 21941-972 Rio de Janeiro, RJ, Brazil. Home page: <https://ldavid.if.ufrj.br>

ACADEMIC TRAINING AND DEGREES

Ph. D. University of Rochester, USA, 1976

SUPERVISION OF THESES: 22 Ph. D. and 14 M. Sc.

ACADEMIC ACTIVITIES

- Assistant Professor, Seminar für Theoretische Physik, ETH Zurich, Switzerland, 1976-1977
- Professor at the Pontifical Catholic University, Rio de Janeiro, Brazil, from 1977 to 1994
- Professor at the Federal University of Rio de Janeiro, from 1994
- Lecturer, College de France, February 2011 and February 2016
- Visiting researcher at several institutions around the world: Ecole Normale Supérieure, Paris, France; Max-Planck Institute für Quantenoptik, Garching, Germany; Center for Advanced Studies of the University of New Mexico, Albuquerque, USA; Institute of Theoretical Physics, University of California at Santa Barbara, USA; Université de Paris VI, France; Max-Planck Institute für Physik komplexer Systeme, Dresden, Germany; Pontifical Catholic University, Santiago, Chile; Weizmann Institute, Israel; University of the Basque Country, Bilbao, Spain.

AWARDS AND HONOURS

- Member of the Brazilian Academy of Sciences since 1995.
- Brazilian Grand-Cross of the National Order of Scientific Merit, bestowed by the President of Brazil, in 2000.
- The World Academy of Sciences (TWAS) Physics Prize in 2001.
- Brazilian National Science Prize in 2010.
- Tamandaré Medal, awarded by the Brazilian Navy in 2010.
- President of the Brazilian Academy of Sciences for two mandates, 2016-2019 and 2019-2022.
- Willis E. Lamb Award, "For seminal discoveries in Quantum Information Science", 2025.
- TWAS Apex Award, "For his contributions to theoretical advances and groundbreaking experiments in quantum optics and quantum information, and for his worldwide leadership in the area of quantum science", 2025.
- Member of TWAS since 2003.
- International Member of the USA National Academy of Sciences, election year 2006.
- Fellow of the Optical Society of America, 2010.
- Fellow of the American Physical Society, 2014.
- International Member of the Chinese Academy of Sciences (since 2021).
- International Member of the European Academy of Sciences (since 2021).
- Secretary-General of The World Academy of Sciences (TWAS), 2019-2022.

- Director-at-large of the Optica Society, 2025-2028.
- Member of the International Committee for Scientific and Strategic Orientation of College de France, for the periods 2012-2016 and 2017-2021.
- Fellow of the Hagler Institute for Advanced Study of Texas A&M, 2019-2021.
- Member of the Editorial Board of Physical Review Letters, 2022-2025.
- Member and Chair of Prize Committees of the Optica Society and the American Institute of Physics: Herbert Walther Award and Robert Hopkins Award from OSA, Compton and Tate Awards from AIP.
- Invited and plenary speaker at many international conferences on quantum optics and quantum information: Laser Physics, Physics of Quantum Electronics, Global Summit of the American Physical Society (March 2025, Panel on quantum technologies in the Americas), Central European Workshop on Quantum Optics, Quantum Optics (Chile, Uruguay, Mexico, Colombia...).
- Moderator of special panel on the occasion of the opening of the 2025 International Year of Quantum Sciences and Technologies, at the UNESCO Headquarter, in Paris, February 2025.