

CV Paolo Tombesi

Academia

- Degree: Laurea in Fisica 1966
 - University of Roma: Fellowship 1966-1971
 - Lecturer University of Camerino 1972-1979
 - Researcher, National Council of Research (CNR) 1973-1983
 - Director of the Institute of Mathematics, University of Camerino 1976-1979
 - Member of Executive Council of the Gruppo Nazionale di Struttura della Materia (CNR) 1978-1982
 - Associate Professor University of Roma 1983-1989
 - Member of the National Council for the University (CUN) of the Ministry of Public Instruction 1986-1989
 - Professor of Physics, University of Camerino since 1990 till 2010.
 - Professor Emeritus since 2010
 - Head of the Department of Mathematics and Physics, University of Camerino 1991-1998
 - Director of the Camerino Research Unit of the Istituto Nazionale per la Fisica della Materia since 1998 till its closure on 2003
 - Member of the Board of Directors of The Istituto Nazionale per la Fisica della Materia from 1998 till its closure on 2003
 - Head of the Department of Physics, University of Camerino 2002-2010.
 - Member of the Executive Council of the University of Camerino 2002-2008
 - Chairman of the Board of Department's Heads, University of Camerino 2008-2010.
 - Member of the Academic Senate of the University of Camerino 2008-2010.
 - Since 2010 Professor Emeritus
- Visiting Professor: University of Waikato, Hamilton, New Zealand - Northwestern University, Evanston, Il. USA - Kyushu University, Fukuoka, Japan - Université Pierre et Marie Curie, Paris, France - Auckland University, Auckland New Zealand – University of Vienna, Vienna, Austria.

EC Research contracts

- Contractor Programme Human Capital and Mobility ERBCHRXCT930114
- Subcontractor Programme Training Mobility and Research ERBFMRXCT960066
- Contractor Programme FET IST-2001-33167;
- Contractor MRTN-CT-2003-505089;
- Coordinator ST-FP6-STREP - 003772; IST
- Contractor FP6-IP-015714;

Advanced Schools

- Director of the NATO Advanced Research Workshop on Squeezed and Non-classical Light, Cortina d'Ampezzo, Italy 1988
- Director of the 1st International Course on Quantum Optics, Bogotá, Colombia 1988
- Director of the NATO Advanced Research Workshop on Quantum Measurements in Optics, Cortina d'Ampezzo, Italy 1991
- Chairman of the 5th International Conference on Quantum Communication, Measurement and Computing, Capri, Italy 2000
- Director of QUROPE Workshop Quantum/Classical Control in Quantum Information: theory and experiments, Otranto, Italy 2008.

Research Interests.

- Up to 1980 Statistical Mechanics: 2nd order phase transitions; non-equilibrium dynamics.
 - Since 1980 Quantum Optics: squeezed states; systems in squeezed bath; feedback cooling mechanical resonators.
 - Since 1994 Quantum Information: controlling de-coherence; macroscopic entanglement; cavity opto-mechanics; quantum teleportation; quantum cryptography; quantum computing with trapped electrons; cavity quantum opto-mechanics; opto-mechanical entanglement.
- More than 200 publications in international journals with pair review.