

Roberto Cingolani



Scientific activity

Born on December 23, 1961 - Milano, Italy

- 1985 - Degree in Physics; 1988 - PhD in Physics (Bari University - Italy)
- 1989 - Diploma di Perfezionamento in Physics, Scuola Normale Superiore di Pisa (Italy)
- 1989 - 1991 staff member at Max Planck Institut for Festkoerperforschung in Stuttgart (Germany)
- 1992 - Professor of Physics, Lecce University (Italy)
- During 1997 Visiting Professor at the Institute of Industrial Sciences, Tokyo University, Tokyo (Japan)
- During 1998 Visiting Professor at Virginia Commonwealth University, Richmond, Virginia (USA)
- 2001 - Founder and Director of the National Nanotechnology Laboratory (NNL) of INFM in Lecce (Italy)
- Since December 2005 Scientific Director of Istituto Italiano di Tecnologia (IIT), Genova (Italy)

R. Cingolani is author or co-author of about 750 papers in international journals (H-index = 80, citations >25100 Source Google Scholar, Jan 2017), and he holds about 48 patent families in the fields of:

- Structural, optical and electronic properties of quantum nanostructures of semiconductors
- Optical spectroscopy of solids and modelling of the electronic states (1985-1995)
- Nanofabrication of quantum nanostructures by optical, X-ray and electron-beam lithography (1990-2000)
- Molecular nanotechnologies for plastic photonics, OLED e plastic electronic devices (since 2000)
- Bio-nanotechnologies, biomimetic systems, biological electronic devices (since 2003)
- Nanochemistry, study and interdisciplinary application of nanoparticles of controlled size, shape and composition for new fluorophores, intelligent drug delivery
- Smart nanocomposite materials

Awards and Honors

- 1978 National finalist of the X European Philips Contest for Young Researchers and Inventors
- 1980 and 1981 European finalist of the XII and XIII European Philips Contest for Young Researchers and Inventors (Amsterdam and Bruxelles, respectively)
- 1980 Awarded of the title of Alfiere del Lavoro by the President of the Italian Republic for the scientific and school curriculum
- 1986 and 1990 Prize of the Italian Physical Society for young researchers
- 1999 Awarded the INFM prize "Ugo Campisano", for researchers in the field of Semiconductor Physics
- 2000 Awarded the "ST-Microelectronics" prize by the Italian Physical Society
- 2006 Awarded the title of "Commendatore della Repubblica" by the President of the Italian Republic
- 2006 Awarded the "Guido Dorso" prize by the Senate of the Italian Republic for his Research Activity
- 2010 Awarded the "Grande Ippocrate" prize by Unamsi and Novartis