

## Roberto Cingolani

*IIT Scientific Director*

- Born on December 23, 1961 - Milano, Italy.
- IIT Scientific Director since December 8, 2005.

### Scientific activity

- 1985 - Degree in Physics, Bari University (Italy)
- 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 - Associate 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)
- 2000 - Professor of General Physics at the Engineering Faculty, Lecce University (Italy)
- 2001 - Founder and Director of the National Nanotechnology Laboratory (NNL) of INFN, Lecce University (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 = 76, citations >23000 Source Google Scholar, March 2016), and he holds about 46 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, nanocomposite materials
- Smart nanocomposite materials.

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## Other Institutional Appointments

- Since 2001 he has been a member of various panels of the European Commission within the Sixth and Seventh Frame Programs in the field of Nanotechnology, New materials and New production systems
- Since 2002 he has been member of different panels of the Ministry of Research and University (Technical Secretariat for the National Research Plan, Commission for the selection the Centres of Excellence)
- From 2000 to 2003 he was executive Vice-president of the National Institute for the Physics of the Matter (INFN)

## 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 Alfieri 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 INFN 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