

## Biography of Dr. Stefano Bellucci



Dr. Prof. habil. Stefano Bellucci obtained in **1982** the **Laurea** in Physics Degree at Univ. Sapienza Rome (summa cum laude) and in **1986** his **Ph.D.** in **Physics** of elementary particles at **SISSA, Trieste**. He worked as Research Associate at Brandeis Univ., Waltham, MA, USA (1983-1985); as visiting researcher at M.I.T., Cambridge, MA, USA (1985-1986), at Univ. of Maryland, USA (1986-1987), at Univ. of California at Davis, USA (1987-1988). He was appointed as a Tenured Researcher (Research Staff) at INFN (Istituto Nazionale di Fisica Nucleare) Laboratori Nazionali di Frascati (LNF) in **1987**. He was appointed as INFN First Researcher (Senior Research Staff) in **2005**. Italy Ministry of University in 2013 habilitated him as **Full Professor in Theoretical Physics of Fundamental Interactions** and in **Theoretical Condensed Matter Physics**. He **coordinated** (1999-2002, 2011-2015) all **LNF theoretical physics** activities. His research interests include *theoretical physics, condensed matter, biophysics, physical chemistry, nanoscience and nanotechnology, nanocarbon based composites, toxicology, biomedical applications*. His lab cultivated over 40 PhD and master students. He published over **500 papers** in peer-reviewed journals with **h = 48**, and more than 10 invited book chapters, <http://scholar.google.com/citations?hl=en&user=mOq8urEAAAAJ>. He is the Editor and/or co-author of more than 10 books with Springer. He appears in the list of Top Italian Scientists published by the VIA Academy.

He received the **B.W. Lee Prize** at Erice School of Subnuclear Physics (Erice, Italy) **1982**. In **1980** he was selected as Summer student at **CERN** (Geneva). He led INFN **applied physics CSN5 experiments**: 2006-2010 **NEXT** for new electron sources and X radiation, 2004-2006 **MINCE** for micro and nano technology, 2001-2004 **NANO** for carbon-based nanotechnology. He was in **2007-2010** INFN Scientist and technologist in charge for the **EU FP7-ICT-2007-1 Collaborative Project CATHERINE** "Carbon nAnotube Technology for Highspeed nExt-geneRation nano-InterconNEcts".

He is Series Editor of Springer Lecture Notes in Nanoscale Science and Technology, and biannual (2012-2014) Associate Editor of Nanoscience and Nanotechnology Letters. He is Editorial Board Member of and many scientific journals, e.g. the Journal of Nanomaterials, and Computer Modelling and New Technologies.

He is Director of the **NATO Emerging Security Challenges Division**, SPS Programme projects "**Nanocomposite based photonic crystal sensors of biological and chemical agents**," "**Development of Biosensors using Carbon Nanotubes**". He is INFN scientist in charge of EU project "**Graphene-Based Revolutions in ICT And Beyond, GRAPHENE Flagship**", and INFN scientist in charge of Italy **Ministry of Health** project "Delivery and imaging of miRNAs by multifunctional carbon nanotubes and circulating miRNAs as innovative therapeutic and diagnostic tools for pediatric pulmonary hypertension" and of **Italy Space Agency** project "**SHAPE- A New Theoretical Framework of the Microgravity-Cell Interaction**". He is LNF Spokesperson of **NEMESYS Condensed Matter Theory INFN CSN4** project.