

Gianfranco Pacchioni--deleted

Subjects: Materials Science, Coatings & Films | Others

Contributor: Gianfranco Pacchioni

Gianfranco Pacchioni received his PhD at the Freie Universität Berlin in 1984. He worked at the IBM Almaden Research Center, and at the Technical University of Munich. He is Full Professor at the University of Milano Bicocca where he has been Vice Rector for Research (2013-2019) and Director of the Department of Materials Science (2003-2009). He has published more than 500 papers (h index 83; WoS) and given nearly 500 invited talks on the electronic structure of oxide surfaces and interfaces, 2D oxides, defects, supported metal clusters, and catalysis. He received several awards and is Fellow of the Accademia Nazionale dei Lincei (2014), the Academia Europaea (2012), and the European Academy of Sciences (2009). He has authored some popular science books, including "The overproduction of truth", Oxford University Press, 2018, where he presents a personal view of the problems of contemporary science.

Keywords: electronic structure ; surfaces and chemisorption ; nanoparticles

CV of Prof. Gianfranco Pacchioni

Personal data: born in Milano, 8/11/1954, Italian citizenship. Married with Marina Lotti, one daughter (Giulia, born 1987).

Present position: Full Professor of Solid State Chemistry (2000). Full professor, University of Milano Bicocca (2013-now).

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Education

Study of chemistry, University of Milano (1973-1978). Laurea thesis on "Istituto di Ricerca Montedison G. Donegani", Novara (1978), supervisor Prof. E. Clementi. Ph. D. in Physical Chemistry at the Freie Universität Berlin, Institut für Physikalische Chemie (Berlin West) (1981-1984), supervisor Prof. J. Koutecky.

Previous positions

1981-1984: Institut für Physikalische Chemie, Freie Universität Berlin, Berlin, Germany 1985-1986: Department of Inorganic Chemistry, University of Milano (Researcher)

1987: IBM Almaden Research Center, San Jose, California, USA

1988-2000: Department of Inorganic Chemistry, University of Milano (Associate Professor)

2000-now: Department of Materials Science, University of Milano Bicocca (Full Professor)

Publications and invited talks

Papers in refereed journals: »520; Publications in books: »20; Edited books 7, Textbooks 1; Invited lectures: »400. Citations: »23000; h-index: 80 (from ISI Web of Science).

Honors and awards

Alexander von Humboldt fellow (1993); Gold Medal "Raffaello Nasini", Italian Chemical Society (1994); National Price "Federchimica" (1996); Professor Visitant Invitat, University of Barcelona (1998-1999); Humboldt Research Award (2005); Pascal Medal of the European Academy of Sciences (2016); Pisani Medal of the Italian Chemical Society (2017); Chini Medal of the Chemical Industry Society (2018). Member of the European Academy of Sciences (2009-now); Member of the Academia Europaea (2012-now); Socio Corrispondente Accademia Nazionale dei Lincei (2014-now).

Member of the Advisory or Editorial boards of: Surface Science (2001-2006; 2014-now), Theoretical Chemistry Accounts (2003-now), ChemCatChem (2009-2016), Physical Review Letters (2012-2017), ChemPlusChem (2012-now), Journal of Physics: Condensed Matter (2013-now); Advanced Material Interfaces (2013-now); Topics in Catalysis (2013-now); Catalysis Letters (2013-now); and others.

Visiting scientist and visiting professor

Institut für Physikalische Chemie, Freie Universität Berlin, Berlin, Germany (1985, 1986); IBM Almaden Research Center, San Jose, California, USA (1988, 1990, 1993); Lehrstuhl für Theoretische Chemie, TU München, Munich, Germany (1993, 1994, 1995); Department de Química Física, Universitat de Barcelona, Barcelona, Spain (1998, 1999, 2010); Institut de Chimie Théorique, University of Paris VI, France (2002); Department of Chemical Physics, Fritz-Haber Institut der MPI, Berlin, Germany (2005, 2019), Laboratoire des Matériaux Mésoscopiques et Nanométriques, Université Paris VI, France (2009), Department of Chemistry, North Texas University, Denton, USA (2009); Ecole Nationale Supérieure de Chimie de Paris (2011).

Professional activities and appointments

Vice-Rector for Research (2013-2019); Director of the Department of Material Science, University of Milano Bicocca (2003-2009); Coordinator of the PhD program in Chemistry, Univ. Milano Bicocca (2000 – 2003); Member of the Administration Council of the University Milano Bicocca (2013-now); Member of the Administration Council of the Consortium CORIMAV for Advanced materials (2003 – now); Member of the Scientific Council of the “Fondazione Tronchetti Provera” (2005 – now); Chairman of the COST Action D41 “Inorganic oxide surfaces and interfaces” (2006-2010); Chairman of the Panel PE5 “Materials and Synthesis” of the European Research Council (2008, 2010, 2012); Member of the Scientific Council of the Fondazione EnergyLab (2009 – now); Coordinator of the PhD program in Nanostructures and nanotechnology, Univ. Milano Bicocca (2010 – now); Director of the Milano Bicocca Solar Energy Research Center MIB-SOLAR (2010 – now); President of the Computational and Theoretical Chemistry Division of the Italian Chemical Society (2011 – now); Representative of the Italian CNR in the Council of CECAM – Centre Européen de Calcul Atomique et Moléculaire (2011 – 2015); Member of the Group of Expert Evaluators GEV of ANVUR, national evaluation agency (2012); Chairman Administrative board Lake Como School for Advanced Studies (2015); President of the Division of Materials Science, European Academy of Sciences (2010-2013); Board Member of the KIC Raw Materials (2015-2018).

Funded projects

National coordinator project PAIS-INFM **1999-2000**, 100.000 Euro; National coordinator project PRA-INFM **2000-2003**, 500.000 Euro; National coordinator project PRIN-MIUR **2003-2004**, 300.000 Euro; National coordinator project PRIN-MIUR **2005-2006**, 250.000 Euro; Local coordinator European Project FP6 GSOMEN **2005-2007**, 120.000 Euro; European coordinator COST Action D41 **2006-2010**, 400.000 Euro; Participant in project CARIPO **2010-2012**, 160.000 Euro; Local coordinator project PRIN-MIUR **2009**, 100.000 Euro; National coordinator project FIRB-MIUR **2011-2014**, 2.800.000 Euro; Local coordinator European project FP7 DECORE **2013-2016**, 200.000 Euro; Local coordinator European project FP7 CASCATBEL **2013-2017**, 350.000 Euro; Local coordinator European project FP7 CATSENSE, **2014-2018**, 500.000 euro; Participant in project CARIPO **2014-2017**, 60.000 Euro; Local coordinator project CARIPO **2015-2017**, 160.000 Euro; National coordinator project PRIN-MIUR **2015**, 360.000 Euro.