

Curriculum vitae

Name, Date of birth: Roberto Felici, December 13, 1959
Affiliation: CNR-Istituto Struttura della Materia, Area della Ricerca di Roma Tor Vergata,
Via del Fosso del Cavaliere 100, Roma

Education

Doctor in Physics: November 1982, University of Perugia

Employment

Current position

2020 – CNR, Director of Research,
2016 – 2020 CNR - Senior researcher
2005 – 2015 ESRF, Scientist in charge of the ID03 beamline, Grenoble, France
1999 – 2005 INFM - Senior researcher, Head of the OGG office in Grenoble, France
1997 – 1999 ESRF, Scientist in charge of the ID32 beamline, Grenoble, France
1984 – 1997 CNR - Researcher, ISM institute, Rome, Italy
1983 – 1984 Postdoc-associate researcher, IPNS, Argonne National Lab CNR, USA

Publications

More than 200 scientific papers. More than 4600 citations, H-index: 38 (Google Scholar).

PhD Students as co-supervisor

L. Alianelli, University of Grenoble, 1998-2002
R. Van Rijn, University of Leiden, 2006-2010
W. Onderwaater, University of Leiden, 2011-2016
S. Pintea, University of Nijmegen, 2009-2013
I. Carlomagno, 3rd University of Rome, 2013-2017
F. Zarotti, 2nd University of Rome, 2015-2019

Member of review and advisory committees at synchrotrons

2014 Member of the beam line review panel of the ANKA facility
2014-2017 Member of the Scientific Advisory Committee of the APS synchrotron , ANL, USA
2015 Member of the beamline review for SIXS, Soleil facility
2016 Chairman of the review panel of the CMS - Chemistry and Material Science group at the APS facility, ANL, USA
2016 Chairman of the review panel of the CSSMD - Surface Science and Microdiffraction group at the APS facility, ANL, USA
2017 Member of the review panel of the MR-CAT sector at the APS facility, ANL
2018-2020 Member of the Panel 4 Peer Review panel at the Diamond Synchrotron
2020-2022 Chairman of the Panel 4 Peer Review panel at the Diamond Synchrotron
2018-2024 Member of the Proposal review Committee 3 at the Soleil Synchrotron facility

Major international current collaborators

Dr F. Carla`, Diamond synchrotron
A. Coati, Soleil Synchrotron
E.Lundgren, University of Lund, Sweden

Organization of conferences (major only)

2005, Members of the Scientific Committee of the XX Congress of the International Union of Crystallography, Florence, Italy (<http://iucr2005.iucr.org/committees.htm>)
2009, Member of the International Advisory Committee of the ACSIN 10 conference in Granada , Spain, 2009 (<http://www.grupoaran.com/acsin10>)
2011, Member of the organising Committee of the ECOSS 31, 2015 conference in Barcelona, Spain
2012, Chairman of the ECOSS 32, 2016 conference in Grenoble, France
2013, Member of the International Advisory Committee of the ECOSS 33, 2016 conference in Szeged, Hungary

Major responsibility roles

1999 – 2004	Head of the OGG-INFM in Grenoble, France
2007 – 2009	Deputy group head of the Surfaces and Interfaces group, ESRF, Grenoble, France
2009 – 2012	Deputy group head of the Structure of Materials group, ESRF, Grenoble, France
2012 – 2015	Group head of the Structure of Materials group, ESRF, Grenoble, France
2019 – 2021	Deputy director of the CNR-SPIN unit, Rome, Italy

Major grants (Awarded since 2016) as co-applicant

- HPrideVR, Regione Lazio project	135 kEu	(2016-2018)
- PRIN-Vizza,	692 kEu kSEK	(2019-2022)
- Mission Innovation	2100 kEu	(2021-2024)

Research accomplishments

The activity research of Dr Felici is devoted to the understanding of the link between the surface atomic structure with its chemical and physical properties. In order to determine the structure of surfaces and interfaces Dr Felici contributed to the development of the techniques and instruments available at synchrotron facilities dedicated to these purposes. During his activity he studied the structural and morphological evolution of a catalyst surface during heterogeneous catalytic reactions and of electrochemical controlled liquid solid interfaces.

In the last years he dovoted his attention to the understanding of the electrochemical atomic layer depostion (EALD), a growth technique leading to the formation of crystalline perfect layers, and the anodisation process in general. After moving back to Italy his interests have focused on oxide heterostructures that show peculiar electronic/chemical properties. In this context he has carried out experiments to determine the atomic structure at the interface and gather information on the stress relaxation in the case of mismatched layers. At the present he is also interested in the understanding of the intercalation process of atoms at the interface between graphene and metal substrate and to study the physical/chemical properties of these systems.