

Family name: GONELLA, Name: FRANCESCO;

## **EDUCATION**

- Scientific High School Degree (Liceo scientifico E. Fermi, 1977);
- Degree in Physics (Università degli Studi di Padova, 1986);
- PhD in Physics (Università degli Studi di Padova, 1992).

## **WORKING POSITIONS**

- 1993-1994: Excellence Postdoctorale at Université Laval, Québec City, Canada;
- 1994-1999: University Researcher at the University Padova, scientific sector FIS/01 (Experimental Physics);
- 1999: Associate Professor at the Department of Physical Chemistry of the Ca' Foscari University of Venice;
- 2016: Full Professor at the Department of Molecular Sciences and Nanosystems of the Ca' Foscari University of Venice.

## **DIDACTIC ACTIVITY**

- University courses of General Physics ("Physics I and Laboratory", "Physics II and Laboratory", "General Physics", "Laboratory of Physics"), "Science of Complex Systems", "Systems for the Energy and the Environment", "Waves Propagation in Materials", "Advanced Optical Properties", "Epistemological Foundations of Modern Physics", "Photonics";
- In 2013 and in 2015 Director of the "International School on Energy Accounting", Ca' Foscari University;
- In 2009 and in 2010 teaching at the Tokyo Institute of Technology (Japan) as a Visiting Professor.

## **RESEARCH ACTIVITY**

H-index=33 (2015, Scopus).

Research interests:

- Experimental study of nanostructured glasses, glasses for ICT and for energy technologies, produced by ion-exchange techniques. Collaborations with Vanderbilt University @ Nashville, USA, Laval University @ Québec, Canada, Moscow State University, Russia, Kyoto Institute of Technology, Japan, IMEP-LACH @ Grenoble, France, Central Glass Laboratory @ Kolkata, India and the Italian Group of National Research Council at the beamline Lisa (formerly Gilda) of the European Synchrotron Radiation Facility.
- Systems thinking and energy accounting. Collaborations with University of Florida @ Gainesville, USA, Parthenope University @ Naples, Italy, Beijing Normal University, China.
- Study of artistic glasses, owing to the collaboration with furnaces of the artistic glass production Sector of Murano island.

Author or co-author of more than 140 publications in international peer-reviewed Journals, and co-author of 3 contributions in encyclopaedias.

## **Organization, management and coordination of research groups**

- Scientific Unit Responsible in financed National PRIN Projects;

- Scientific Responsible of 16 experiments (approved upon peer reviewing by international Committees) at the European Synchrotron Radiation Facility in Grenoble (France).

### **Organization of international Congresses**

- Chairman and organizer of the Workshop "Italy meets Asia: Scientific Venue in Kyoto 2013", Kyoto 2013;
- Chairman and organizer of the Symposium "The binary ion exchange process in materials science and chemistry: application, characterization and modelling", European Materials Research Society Fall Meeting, Warsaw, Poland, 2007;
- Chairman and Organizer of the Symposium "A day of studies at the occasion of the 200th anniversary of the birthday of Christian Doppler", Venice and Wien (Austria), 2003;
- Member of the Scientific Committee, Congress "SiO<sub>2</sub> and Advanced Dielectrics", Trento 2002;
- Member of the Organizing Committee, Congress "The Surface: a Bug in New and Old Glasses", Venice 2000;
- Member of the Organizing Committee, Congress "Small Angle Scattering 2002", Venice 2002.

### **Invited talks in International Conferences**

- European Materials Research Society, Strasbourg, France;
- Metal Nano-Objects Workshop, Lille, France;
- European Materials Research Society, Warsaw, Poland;
- Radiation Effects on Insulators, Jena, Germany;
- SPIE meeting, Québec City, Canada;
- Materials for Efficient Utilization of Elements Workshop, Venice, Italy;
- Photonics glasses, Kyoto, Japan.

### **Teaching or research official assignments at Universities**

- 2014: Visiting Scientist at the University of Florida (Gainesville, USA);
- 2010: Visiting Professor at the Tokyo Institute of Technology (Tokyo, Japan);
- 2009: Visiting Professor at the Tokyo Institute of Technology (Tokyo, Japan);
- 1995: Visiting Scientist at the Vanderbilt University (Nashville, USA).

### **Invited lectures or seminars in Universities**

- 1993: Université Laval (Québec City, Canada);
- 1994: McGill University (Montréal, Canada);
- 1995: Vanderbilt University (Nashville, USA);
- 1998: Cornell University (Ithaca, New York, USA);
- 1999: Martin-Luther Universität, Halle/Saale (Halle, Germania);
- 2007: Bharati Vidyapeeth Deemed (Pune, India);
- 2008: Tokyo Institute of Technology (Tokyo, Japan);
- 2009: Kyoto Institute of Technology (Kyoto, Japan);
- 2010: Tokyo Institute of Technology (Tokyo, Japan);
- 2013: Shinshu University (Nagano, Japan);
- 2014: Padova University (Italy).

### **International awards for research activity**

"Marco Polo of the Italian Science" Award (2011) by the Italian Scientific Community working in Japan and the Italian Embassy in Tokyo, for the contribution to the relationship between Italy and Japan in the field of Nanosciences.

### **Editorial boards and Memberships**

- Guest Editor at Elsevier for the Journal "Materials Science and Engineering B";
- Member of the International Society for Advancement in Energy Research.
- Member of the Advisory Board of EDULEARN, International Conference on Education and New Learning Technologies;
- Member of the Scientific Committee of ICERI, International Conference of Education, Research and Innovation;
- Member of the Scientific Committee of SDEWES, Conf. on Sustainable Develop. of Energy, Water and Environment Systems;

### **Positions of responsibility and appointments**

- 2015: Director of the Graduate School of Ca' Foscari University;
- 2012-2014: Elected member of the Academic Senate of the Ca' Foscari University;
- 2003-2006: Rector in Commission for orientation, tutoring and stages;
- 2001-2003: Vice-director of the Department of Physical Chemistry.