



Cesare Grazioli

Researcher (Ricercatore III livello)

Consiglio Nazionale delle Ricerche

 Area Science Park - Basovizza, Strada Statale 14 km 163.5, 34149 Trieste (Italy)

+39 040 3758690



grazioli@iom.cnr.it



<https://www.cnr.it/en/people/cesare.grazioli>

I am interested in the study of molecules as building blocks devices because they offer an almost infinite pool of geometries and functional groups. I have worked on solid, gaseous and low-density systems at some of the most advanced light sources in Europe, such as synchrotrons, free electron lasers and HHG facilities

WORK EXPERIENCE

Jul. 2018 - Present

Advanced functional materials

Istituto Officina dei Materiali (IOM) of the National Research Council (CNR)

Currently scientist at the Advanced Line for Overlayer Interface and Surface Analysis and at the Gas Phase beamline of the Elettra Synchrotron.

Jan. 2014 - Jun. 2018

Atoms, Molecules and Clusters

Institute of Structure of Matter (ISM) of the National Research Council (CNR), Trieste (Italy)

University of Trieste (UniTs), Trieste (Italy)

I worked within the CNR research program "EUROFEL" to the study low-density systems and nanostructures using photoionization spectroscopies with innovative light sources.

Jul. 2007 - Dec. 2013

Ultra-fast Time Resolved Spectroscopy for Novel Materials

Elettra - Sincrotrone Trieste, Trieste (Italy)

University of Nova Gorica (UNG), Nova Gorica (Slovenia)

Area Science Park, National industrial and scientific consortium, Trieste (Italy)

In 2007 I joined the FERMI@Elettra project to realize a Time-Resolved and Angle Resolved Photoemission (tr-ARPES) system.

Thereafter I worked in the Laboratory of Quantum Optics on the development of the CITIUS (Interregional Centre of Ultrafast Photonic Technology for Spectroscopies) HHG light.

Apr. 2001-May 2007

Low density or frustrated metallic systems

Formerly at ICMAT, then at the Institute of Structure of Matter (ISM) of the National Research Council (CNR)

I have worked as a scientist at the beamlines of the CNR at Elettra for the study of dichroic structures by means of photoemission and absorption techniques



Apr. 1997 - Mar. 2001

Transition Metal Compounds: Structure, Magnetism and Transport
IFW - Institute for Solid State and Materials Research Dresden, (Germany)
Research fellow (Wissenschaftlicher Mitarbeiter) in the Special Research Area 'Rare Earth - Transition Metal Compounds: Structure, Magnetism and Transport' (Sonderforschungsbereich 'SFB 463')

EDUCATION

Apr. 2017

Doctoral degree in Nanotechnology
University of Trieste, Trieste (Italy)

"Photoionization experiments for the study of energy transfer in nanostructured materials and their precursors"

Apr. 1996

"Laurea di dottore in fisica" (Degree in Physics)
University of Parma, Parma (Italy)

Thesis "Influence of the order of chain-oxygen on the magnetic and superconducting properties of $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ and $\text{Y}_{1-y}\text{Ca}_y\text{Ba}_2\text{Cu}_3\text{O}_{6+x}$ "

ADDITIONAL INFORMATION

Dec. 2019

Visiting scientist

at the Beijing Institute of Technology (China) in the MIIT Key Laboratory for Low-Dimensional Quantum Structure and Devices of the School of Information and Electronics.

Jan. - Apr. 2016

Erasmus exchange program

at the University of Uppsala in the division of Molecular and Condensed Matter Physics.

Jun. 2013 - Jul. 2013

Research grant

from the University of Uppsala (Sweden) to assemble and characterize an Ultrafast Laser Assisted photoemission system (ULLA).

Nov. 2011 - Apr. 2012

Marie Curie Fellowship

after submitting the project U TRST-NoMa (Ultrafast Time Resolved SpecTroscopy for Novel Materials) for the design and development of a state-of-the-art HHG light source at the University of Nova Gorica (Slovenia) (CITIUS Lab).

