

## Prof. Giannetti Claudio, Università Cattolica del Sacro Cuore

webpage: [http://docenti.unicatt.it/eng/claudio\\_giannetti](http://docenti.unicatt.it/eng/claudio_giannetti)

### • ITALIAN SCIENTIFIC QUALIFICATION

- 2017 Italian Scientific Qualification for Full Professorship (I Fascia) in *Experimental Condensed Matter Physics* (validity from 29/11/2017 AL 29/11/2023).
- 2014 Italian Scientific Qualification for Associate Professorship (II Fascia) in *Experimental Condensed Matter Physics* (validity from 13/10/2014 al 13/10/2020).
- 2013 Italian Scientific Qualification for Associate Professorship (II Fascia) in *Applied Physics* (validity from 27/12/2013 al 27/12/2019).

### • EDUCATION

- 2004 **Ph.D. in Physics** at the State University of Milan (XVII cycle), Italy. Thesis: *Dynamics of Non-Equilibrium States in Solids Induced by Ultrashort Coherent Pulses*. Supervisors: Prof. Fulvio Parmigiani and Prof. Rodolfo Bonifacio
- 2001 **Master Degree in Physics** at the State University of Milan, (final grade of 110/110 cum laude).

### • POSITIONS

- 2019 – present **Professore Associato** at the Physics Department of Università Cattolica del Sacro Cuore, Brescia.
- 2012 – 2019 **Ricercatore Universitario** and **group leader** of the “Ultrafast dynamics of quantum materials” group at the Mathematics and Physics Department of Università Cattolica del Sacro Cuore, Brescia.
- 2013 – 2015 **AWARD**: International Visiting Research Scholar Award from the Peter Wall Institute for Advanced Studies ([PWIAS](http://www.pwias.ca)), University of British Columbia, Vancouver, Canada.
- 2011 – 2014 Visiting Professor at the Quantum Matter Institute (QMI) and Department of Physics and Astronomy of the **University of British Columbia** (Vancouver, Canada).

### • TEACHING ACTIVITIES

- 2018 – 2020 **Lecturer** – *Materials Physics and Technologies* and *Technologies in Action Lab*, Master of Science, Innovation and Technology Management, Università Cattolica del Sacro Cuore (sede di Milano), Italy
- 2018 – 2020 **Lecturer** – *Advanced Solid State Physics*, Faculty of Natural Sciences (FNS), Università Cattolica del Sacro Cuore, Italy
- 2015 – 2020 **Lecturer** – *Experimental Physics*, Faculty of “Primary Teacher Education”, Università Cattolica del Sacro Cuore (sede di Milano), Italy
- 2013 – 2020 **Lecturer** – *Low Temperature Physics and Superconductivity*, FNS, Università Cattolica del Sacro Cuore, Italy
- 2011 – 2014 **Lecturer** – *Laboratory of Optics*, FNS, Università Cattolica de Sacro Cuore, Italy
- 2011 – 2013 **Lecturer** – *Laboratory of Electromagnetism*, FNS, Università Cattolica de Sacro Cuore, Italy
- 2009 – 2012 **Lecturer** – *Quantum Optics*, FNS, Università Cattolica de Sacro Cuore, Italy
- 2005 – 2019 **Lecturer** – *Quantum Electronics*, FNS, Università Cattolica de Sacro Cuore, Italy
- 2005 – 2011 **Teaching Assistant** – *Magnetostatics, Electrostatics, Non-Linear Optics, Modern Physics, Electrodynamics, Solid State Physics*, FNS, Università Cattolica de Sacro Cuore, Italy

### • SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 2015 – 2016 **-Direct supervisor** of 5 Ph.D. students (among them: 2 joint international PhD positions at KULeuven and a PhD position within the GO-FAST project: <http://www.gofastproject.eu>)  
**-Co-supervisor** of 3 PhD students at the Università Cattolica  
**-Direct supervisor** of 10 Master students and 5 Bachelor students at the Università Cattolica del Sacro Cuore

### • ORGANISATION OF INTERNATIONAL SCIENTIFIC MEETINGS

- 2020 **Co-chair**, Mini-Colloquium: *Emergent Transport phenomena in functional quantum materials* ([CMD2020GEFES](http://www.cmd2020gefes.com)), August 31-September 4 2020, Madrid, Spain.
- 2018 **Co-chair**, *Low-Energy Electrodynamics in Solids* ([LEES2018](http://www.lees2018.com)), June 24-29 2018, Portonovo (AN), Italy.

- 2017 **Co-chair**, Ultrafast Quantum Control of Matter: the Path to Solids ([UQCM2018](#)), UBC Vancouver, December 11-15, 2017.
- 2015 **Co-chair**, *New TRENDS in Correlated OXIDES and Interfaces* ([TRENDOXIDES2015](#)), Brescia, Italy, November 12-18, 2015
- 2013 **Co-Director**, *Ultrafast Dynamics of Correlated Materials*, ICTP Trieste, Italy, Oct.14-18, 2013
- 2013 **Co-organizer**, *The new generation in strongly correlated electron systems* ([NGSCES2013](#)), Sestri Levante, Italy, June 30-July 5, 2013

- **INSTITUTIONAL RESPONSIBILITIES**

- since 2018 Member of the Steering Committee of the *International Doctoral Programme in Science* of the Università Cattolica del Sacro Cuore, Notre-Dame University (U.S.), KU-Leuven (Belgium), Pontificia Universidad de Chile (Chile).
- 2013 – 2018 Member of the board of the PhD School in Physics, Astrophysics and Applied Physics of Università degli Studi di Milano.

- **COMMISSIONS OF TRUST**

- 2012 – present Reviewer for several scientific journals: *Science, Nat. Commun., Nature Reviews Materials, Phys. Rev. Lett., Phys. Rev. B, Scientific Reports, Advanced Materials, Chem. Phys. Lett., ACS Photonics, Nuclear Inst. and Methods in Physics Research A*.
- since 2017 Advisory board of [I-LAMP](#), Università Cattolica del Sacro Cuore, Italy.
- 2012 – present Scientific board of [I-LAMP](#), Università Cattolica del Sacro Cuore, Italy.
- 2009 – 2016 Reviewer for the *Swiss National Science Foundation*; the *Italian Ministry of Education and Research*; the *Dutch Foundation for Fundamental Research on Matter (FOM)*; the *U.S. Department of Energy*; the *French Ministry of Research*; the *Research Council for Natural Sciences and Engineering at the Academy of Finland*; the *Fund for Scientific Research-FNRS* of Belgium; the *Executive Agency for Higher Education and Research of the Romanian government*

- **MAJOR COLLABORATIONS**

- ➔ Prof. **Andrea Damascelli**, Director at the Quantum Matter Institute, UBC Vancouver (Canada). *Ultrafast spectroscopy in correlated materials and high- $T_c$  superconductors*.
- ➔ Prof. **Martin Greven**, University of Minnesota (Minneapolis, USA). *Physical properties of superconducting copper-oxides*.
- ➔ Prof. **Jean-Pierre Locquet**, KU Leuven (Belgium). *Ultrafast switching of metal-oxide heterostructures*.
- ➔ Prof. **Massimo Capone**, SISSA Trieste (Italy). *Electronic properties of strongly correlated systems*.
- ➔ Prof. **Michele Fabrizio**, SISSA Trieste (Italy). *Dynamics of insulator to metal transitions*.
- ➔ Prof. **Giulio Cerullo**, Politecnico di Milano (Italy). *Ultrafast pump-probe experiments with extreme temporal resolution*.
- ➔ Prof. **Dirk van der Marel**, Université de Genève, Switzerland. *Optical spectroscopy of correlated materials*.
- ➔ Prof. **Hiroshi Eisaki**, AIST, Tsukuba City, Japan. *Growth and characterization of transition-metal oxides*.
- ➔ Prof. **Janez Bonča**, Jožef Stefan Institute, Ljubljana, Slovenia. *Ultrafast spin and charge dynamics in correlated materials*.

- **SELECTED INVITED TALKS**

In the last years Prof. Giannetti gave more than 50 talks and lectures in international conferences/schools and Universities, among which the invitation to the **2016 APS March Meeting**, **2 keynote talks** at the most important Conferences on superconductivity (M<sup>2</sup>S-2015 and M<sup>2</sup>S-2012) and several **invited lectures** at International Schools.

- **SELECTED PUBLICATIONS**

Prof. Giannetti is author of 64 papers on in international peer-reviewed high-impact journals, such as *Science*, *Nature Physics*, *Nature Materials*, *Advances in Physics*, *Nature Communications*, *Physical Review Letters*). Overall his work attracted about 1930 citations, corresponding to h-index=23 (Google Scholar: <https://scholar.google.com/citations?user=JcoDf4wAAAAJ&hl=en>).