

Curriculum vitae: Christoph Gadermaier

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Researcher ID: O-4834-2016

Scopus ID: 55975245000

a) professional experience

2018-present	Tenured Associate Professor for the Physics of Matter, Politecnico di Milano
2018-present	Affiliated Researcher, Center for Nano Science and Technology, Italian Institute of Technology
2014-2018	Associate Professor at the Jozef Stefan International Postgraduate School.
2016-2018	Member of the Study Commission for the Master and PhD courses “Nanoscience and Nanotechnology” at the Jozef Stefan International Postgraduate School.
2010-2014	Assistant Professor at the Jozef Stefan International Postgraduate School, Ljubljana, Slovenia.
2009-2018	Research Associate at the Department of Complex Matter, Jozef Stefan Institute
2006-2008	Marie-Curie Individual Fellow at the Department of Complex Matter, Jozef Stefan Institute, Ljubljana, Slovenia
2004-2006	Erwin-Schrödinger Post-doctoral Fellow at the Physics Department, Politecnico di Milano
2002-2004	Researcher at Graz University of Technology in the Christian Doppler Laboratory Advanced Functional Materials

b) education

PhD in Technical Physics

2000-2002	PhD with first class honors at Graz University of Technology (Austria). Thesis entitled “Ultrafast Photoexcitation Dynamics in Conjugated Polymers and Oligomers Probed by Differential and Double-Differential Transmission Spectroscopy”
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Degree in Technical Physics

1993-1999 MSc (Dipl.-Ing.) of Technical Physics at Graz University of Technology.
Master Thesis entitled "Kinetics of Photoexcited States in Conjugated Polymers and Oligomers"

c) teaching experience

2019-present Lecturer "Fundamentals of Experimental Physics" for students of Aerospace, Mechanical and Energy Engineering

2013-present Supervision of 6 PhD theses (5 concluded, 1 ongoing)

2013-2017 Lecturer "Optical, Electronic, and Magnetic Properties of Nanomaterials" (at the Jozef Stefan International Postgraduate School)

2004-2006 Teaching Assistant (TA) Problem solving for Experimental Physics III (thermodynamics, fluidodynamics)

2004-2006 TA Problem solving for Experimental Physics II (electrodynamics)

2004-2006 TA Problem solving for Experimental Physics I (mechanics)

2004-2006 TA Demonstration Laboratories for Experimental Physics I+II

2001-2002 TA Problem solving for Experimental Physics I

d) funded projects

2013-2017 Marie-Curie (MC) Initial Training Network "Nanoelectronics based on two-dimensional dichalcogenides (MoWSeS)"

2013-2017 COST "Nanospectroscopy", Vice leader of the Work Group "Physical Processes and Modelling", member of the Management Committee

2008-2011 MC Reintegration Grant "Electronic RESponse of Single Inorganic Nanowires (ERESIN)"

2006-2008 MC Intra-European Fellowship "Electronic RESponse in MOlybdenum-based Nanowires (EREMON)"

2004-2006 Erwin Schrödinger Post-doctoral Fellowship "Ultrafast ReSponse in Organic Semiconductors (URSOS)"

e) organization of scientific meetings

Jan 15.-19. 2017 "COST Training School on Photophysics of Interfaces and Hybrid Materials", Ambroz pod Krvavcem, Slovenia

July 5.-8. 2016	conference "Flatlands beyond Graphene", Bled, Slovenia
June 25-29. 2012	conference "The New Generation in Strongly Correlated Electron Systems 2012", Portoroz, Slovenia
May 9-13. 2011	session "From photophysics to optoelectronics of zero- and one-dimensional nanomaterials" at the E-MRS spring meeting 2011, Nice, France

f) scientific interest

My research concentrates on the electron dynamics in solids, with a particular emphasis on the processes that occur on the fs and ps time scale. Over the course of my career, I have investigated a wide range of materials, most notably conjugated polymers and oligomers, carbon nanotubes, inorganic nanowires, high-temperature superconductors, and two-dimensional layered semiconductors, the latter being the current focus of my research.