

PERSONAL INFORMATION

Roberto Gunnella

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Date of birth 14 May 1964 | Nationality Italian

WORK EXPERIENCE

November 2006 – Present	Associate Professor of Physics SSD FIS/03, SC 02/B1 University of Camerino
2018	Abilitazione Nazionale P.O.
1998-2006	University Research Assistant Univ. of Camerino
1996	PhD in Physics

VISITING SCIENTIST

November 2013	Invited professor National Synchrotron Radiation Laboratory Hefei China
09/2003-05/2003	Invited Professor Tohoku University
July 1998 and January 2000	Invited Professor Univ. Rennes Lab Palms
October 1999	Visiting Scientist Boston University
1996	Post-doc CNRS Laboratoire LEPES Grenoble
1992-1993	Fellowship student SRC laboratory Stoughton USA

EDUCATION AND TRAINING

1994–1996	PhD - Thesis Title: "The Photoelectron and Auger electron diffraction in the investigation of interfaces of interest in Si/Ge technology.", University of Perugia - Italy
1990	Bachelor of Physics Degree (110/110) in Physics, University "La Sapienza " Rome

BIBLIOMETRIC PARAMETERS

more than 120 papers
H index >23
About 1800 citations

PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
French	C1	C2	B1	B2	A2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Director of Schools and Workshops

- September 2019 Chairman of the Bilateral workshop Italy-India (Ministero degli affari esteri e cooperazione internazionale): Within the Executive Programme of Scientific and Technological Cooperation “Renewable energy technologies at the crossroads of “glocal” energy grids” - Camerino
- July 2017- Codirector of the EUSPEC – COST School XTRAM “X-ray UV Time resolved Advanced Methods” , Erice EFMCS (Italy)
- April 2016 Chairman of the EUSPEC – COST workshop “XUV spectroscopies and time resolved dynamics” Elettra Synchrotron- Trieste

Organisational / managerial skills

- 2020- Ed. Board of Applied Science <https://www.mdpi.com/journal/applsci/editorseditorialboard>
- 2019 University Master Director: Innovative Materials for sustainable economy
- 2016- President Egg-Technology srl (web-site: www.egg1.it)
- 2016 Chairman of the EUSPEC – COST workshop “XUV spectroscopies and time resolved dynamics” 14-15 April 2016 , Elettra Synchrotron Trieste
- 2014 Elected representative of Faculty members at the University of Camerino, Chamber of Representations
- 2014 Management committee member of EUSPEC MP1306 Cost action and Working Group leader of the time resolved spectroscopies
- 2006- Representative for University of Camerino of Italian Consortium of Physics of Matter (CNISM)
- 2011-2017 Editorial Board Member of the Surface Science section of Journal of Physics: condensed Matter

Patents Industrial research in the field of the cogeneration by fuel cells assisted by both electric and thermal storage within the company Egg-technology:

- Patent pending N. 102015000054629 “Energetic System for buildings”
- Patent pending N. 102016000007103 “Island electric and thermal power system for buildings”

Computer skills

- competent with Java, Python and Fortran
- experience with Windows and Linux

Driving licence B

SOME RECENT PUBLICATIONS

- [1] Said Karim Shah and Roberto Gunnella. “Efficient Method of Fabricating Polymeric Solar Cells in Multilayered Configuration Using Electrospray”. In: *JOURNAL OF ELECTRONIC MATERIALS* 49.3 (MAR 2020), 1794–1800.
- [2] D. B. Freitas Neto, F. F. S. Xavier, E. Y. Matsubara, R. Parmar, R. Gunnella, and J. M. Rosolen. “The role of nanoparticle concentration and CNT coating in high-performance polymer-free micro/nanostructured carbon nanotube-nanoparticle composite electrode for Li intercalation”. In: *JOURNAL OF ELECTROANALYTICAL CHEMISTRY* 858 (FEB 1 2020).

- [3] E. Talpacci, M. Reuss, T. Grube, P. Cilibrizzi, R. Gunnella, M. Robinius, and D. Stolten. “Effect Effect of cascade storage system topology on the cooling energy consumption in fueling stations for hydrogen vehicles”. In: *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY* 43.12 (MAR 22 2018), 6256–6265.
- [4] S. J. Rezvani, Y. Mijiti, R. Gunnella, F. Nobili, A. Trapananti, M. Minicucci, M. Ciambezi, D. Bresser, S. Nannarone, S. Passerini, and A. Di Cicco. “Structure rearrangements induced by lithium insertion in metal alloying oxide mixed spinel structure studied by x-ray absorption near-edge spectroscopy”. In: *JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS* 136 (JAN 2020).
- [5] Andrea Di Cicco, Angelo Giglia, Roberto Gunnella, Stephan L. Koch, Franziska Mueller, Francesco Nobili, Marta Pasqualini, Stefano Passerini, Roberto Tossici, and Agnieszka Witkowska. “SEI Growth and Depth Profiling on ZFO Electrodes by Soft X-Ray Absorption Spectroscopy”. In: *ADVANCED ENERGY MATERIALS* 5.18 (SEP 23 2015).