

PERSONAL INFORMATION



Roberto Senesi

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🔗 <https://scholar.google.it/citations?user=gRdXN0IAAAAJ&hl=it>

Sex Male | Date of birth 14/06/1968 | Nationality Italian

WORK EXPERIENCE

- 2021-present Full professor in applied physics, Università degli Studi di Roma “Tor Vergata”
- 2014-2021 Associate professor in applied physics, Università degli Studi di Roma “Tor Vergata”
- 2006-2014 University researcher, Università degli Studi di Roma “Tor Vergata”
- 2001-2006 Researcher, Consiglio Nazionale delle Ricerche, Roma
- 1999-2001 Postdoctoral Associate, Consiglio Nazionale delle Ricerche, Roma
- 1998 Postdoctoral research Associate, State University of New York and NIST Center for Neutron Research (USA)

EDUCATION AND TRAINING

- 1997 PhD in Physics, Università degli Studi di Roma Tor Vergata
- 1997 CNR Short term fellowship, The Hebrew University of Jerusalem (IL)
- 1993 Laurea (MsSci) in Physics, Sapienza Università di Roma

PERSONAL SKILLS

Mother tongue Italian

English	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
	C2	C2	C2	C2	C1

French

A2

A2

A2

A2

A1

- Communication skills**
- Good communication skills gained through my teaching, mentoring at the University level, talks at conferences, experiences
- Organisational / managerial skills**
- Project manager for the design and construction of the VESPA spectrometer at the European Spallation Source (SE)
 - PI of neutron instrumentation projects at Large scale neutron research infrastructures
 - Coordinator of access procedures at the ISIS@MACH research infrastructure
 - Coordinator of Postgraduate Masters at the Università degli Studi di Roma Tor Vergata and Università Campus Biomedico, Roma
- Job-related skills**
- Scientific and technical development in both large and small projects. These have encompassed working on the development, construction and operation of the VESUVIO electron Volt neutron spectrometer, Chiplr and IMAT instruments at ISIS (STFC-UKRI, UK) within the CNR-STFC agreements. Implementation of the ISIS@MACH research infrastructure. Scientific responsible of the design and construction of the Target In Kind Irradiation Module at the European Spallation Source (2014-2018) .
- Reviewer member of access panels in the evaluation of research proposals for access to neutron facilities in Europe and overseas, including:
- Institute Laue Langevin, member of Subcommittee 6 “Structure and dynamics of liquids and glasses” (2010-2014)
 - ISIS pulsed neutron and muon source, member of the ISIS Facility Access Panel FAP5: Spectroscopy (2010-2015) and (2019-present)
 - ISIS pulsed neutron and muon source, member of the ISIS Facility Access Panel Chiplr fast Irradiation beam line (2019-2021)
 - Spallation Neutron Source (ORNL) (2009-2010)
- Member of the ISIS User Committee representing the Molecular Spectroscopy User Group (2015-2022), and chair of the Molecular Spectroscopy User Group within the ISIS User Committee (2018-2022).
- Publications**
- More than 150 research papers on a variety of scientific problems ranging from atomic quantum dynamics in condensed matter to neutron and gamma ray instrumentation using epithermal and fast neutrons applied to

Cultural Heritage and ICT investigations, and fabrication of composite materials for neurological applications (see <https://scholar.google.it/citations?user=gRdXN0IAAAAJ&hl=it> for a complete list)

Selected recent publications:

- 1) G. Festa et al., Effect of coating systems as a barrier to humidity for lutherie woods studied by neutron radiography, *Journal of Cultural Heritage* 43, 255 (2020).
- 2) G. Festa et al., Neutrons for Cultural Heritage—Techniques, Sensors, and Detection, *Sensors* 20, 502 (2020).
- 3) G. Festa et al., First analysis of ancient burned human skeletal remains probed by neutron and optical vibrational spectroscopy, *Science Advances* 5, eaaw1292 (2019).
- 4) G. Festa et al., Egyptian metallic inks on textiles from the 15 th century BCE unravelled by non-invasive techniques and chemometric analysis, *Scientific Reports* 9, 1 (2019).
- 5) G. Festa et al., Neutron Diffraction and (n, γ)-Based Techniques for Cultural Heritage, *Nanotechnologies and Nanomaterials for Diagnostic, Conservation and Restoration of Cultural Heritage* 61-77 (2019).

Presentations More than 50 presentations (35 invited) at national and international conferences

Roma, 15 June 2022

Roberto Senesi