



PERSONAL INFORMATION

Giovanni Romanelli



 Department of Physics & NAST Centre,  
 Via della Ricerca Scientifica 1, 00133, Roma - Italy  
 +39 06 7259 4522

 [giovanni.romanelli@uniroma2.it](mailto:giovanni.romanelli@uniroma2.it)

 <https://www.fisica.uniroma2.it/elenco-telefonico/gromanelli/>

 @GiovaRomanelli

Sex Male | Date of birth 20/06/1985 | Nationality Italian

POSITION

Researcher in Applied Physics at the University of Rome Tor Vergata, within the Physics Department and the NAST Centre

Instrument Scientist at the ISIS@MACH ITALIA Research Infrastructure

WORK EXPERIENCE

2015 - 2021

**Instrument Scientist**

ISIS Neutron and Muon Source, Science and Technology Facilities Council (UK)

- Responsible of the scientific and instrumentation development programmes at the VESUVIO neutron spectrometer within the Molecular Spectroscopy Group.

2019 – 2021

**Secretary of the UK-ESS Project Board**

ISIS Neutron and Muon Source, Science and Technology Facilities Council (UK)

- Secretary of the Board coordinating the UK contribution to the European Spallation Source.

2019 - 2021

**Liaison Officer and Instrument Scientist**

ISIS@MACH and ISIS@MACH ITALIA Research Infrastructures (I)

- Responsible for the delivery of the ISIS@MACH and ISIS@MACH ITALIA experiments using neutron beamlines at the ISIS Neutron and Muon Source

2015 - 2019

**Secretary of the Molecular Spectroscopy User Group Liaison Team**

ISIS Neutron and Muon Source, Science and Technology Facilities Council (UK)

- Secretary of the Board coordinating the activities of the Molecular Spectroscopy Group at ISIS with the needs of the User Community of reference.

2012 - 2015

**Research Associate**

University of Rome Tor Vergata (I)

- Research Associate for the activities related to “Neutron Imaging on Cultural Heritage materials” (2012 – 2014) and on the “development of techniques for electron-volt neutron spectroscopy with applications across the chemical and physical sciences” (2014 – 2015), within the PANAREA project, at the NAST Centre and Physics Department of the University of Rome Tor Vergata.

## EDUCATION AND TRAINING

2011 - 2015

## Ph.D degree in Physics

EQF Level: 8

University of Rome Tor Vergata (I)

- Thesis “On the quantum contributions to phase transitions in water probed by inelastic neutron scattering” with Prof C. Andreani and Prof. R. Senesi

## ACADEMIC ACTIVITY

Publications

<https://www.scopus.com/authid/detail.uri?authorId=54684802600>

## Conferences &amp; Seminars

- Invited lecture at the Oxford School on Neutron Scattering, 2022, Oxford, 5–15 September 2022, titled “Neutron Compton Scattering”
- Talk at the 15th International Conference on Nuclear Data for Science and Technology, ND2022, Sacramento (California), 24–29 July 2022, titled “Neutron thermal cross section of organic polymers within the Average Functional Group Approximation”
- Invited talk at the Molecular Spectroscopy Science Meeting 2022, Abingdon, 27–28 June 2022, titled “Visualisation of the catalysed conversion of ortho- to para-hydrogen using time-resolved neutron imaging”
- Invited talk at the International Conference on Physical Chemistry and Spectroscopy 2021, virtual meeting, 1–3 September 2021, titled “Hydrogen dynamics in supercritical water probed by inelastic and deep inelastic neutron spectroscopies”
- Invited talk at the Molecular Spectroscopy Science Meeting 2020, virtual meeting, 28 – 29 October 2020, titled: “VESUVIO Instrument Update”
- Invited talk at the Engineering Neutron User Meeting 2019”, Abingdon, 24 – 25 September 2019, titled: “Visualization of the Catalyzed Nuclear-Spin Conversion of Molecular Hydrogen Using Energy-Selective Neutron Imaging”
- Invited lecture at the Erice school on “Neutron Science and Instrumentation”, Erice, 4–13 July 2018, titled: “Electron-Volt Neutron Spectroscopy”
- Invited lecture at the New Materials for a Better life! 2017 Workshop, Bilbao, 27 October 2017, titled: “Neutron Spectroscopy”

## Memberships

- Institute of Physics – since 2019
- Società Italiana di Fisica –since 2011
- School of Neutron Scattering Francesco Paolo Ricci – since 2011
- Associazione Scienzimpresa – since 2011