

PERSONAL INFORMATION

Vittorio Bellani



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Nationality Italian

RESEARCH SUMMARY

Experimental physicist specializing in nanomaterials, graphene, scanning probe microscopy, quantum materials and energy materials

ACADEMIC POSITIONS AND RESEARCH APPOINTMENTS

Nov. 2005 – present	Professor of Physics (Professore Aggregato) University of Pavia, Italy
Jul. 1994 – Oct. 2005	Assistant Professor of Physics University of Pavia, Italy
Sept. 1994 – Jun. 1996	Senior research fellow UAM – Universidad Autónoma, Madrid, Spain; Human Capital and Mobility fellowship of the European Union
Sept. 1993 – Aug. 1994	Teaching assistant University of Bergamo, Italy
Oct. 1990 – Jun. 1993	Junior research fellow EPFL – Swiss Federal Institute of Technology, Lausanne, Switzerland; CNR-FNSF mobility program

HONORS AND DISTINCTIONS

2025	Beaufort Visiting Fellow St John's College, University of Cambridge, United Kingdom; optical and scanning probe experiments on solid-state spins
2025	Distinguished EPJ referee EPJ – European Physical Journal, Les Ulis, France; https://www.epj.org/distinguished-epj-referees
2018	Outstanding APS referee APS – American Physical Society, College Park, USA; https://journals.aps.org/OutstandingReferees

RESEARCH AND TEACHING APPOINTMENTS

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| 2018 summer term | Volunteer
University of California, Berkeley, USA; scanning probe microscopy experiments on molecular diffusion on graphene |
| Since 2016 | Visiting professor (Alumnus)
MIT – Massachusetts Institute of Technology, Electrochemical Energy Laboratory, Boston USA; fabrication and study of electrodes and electrolytes for lithium-ion batteries; https://www.rle.mit.edu/eel/alumni/ |
| 2011 fall term | Visiting professor
STUT – Southern Taiwan University of Science and Technology, Tainan; taught a master's course in Optoelectronics |
| 2010 spring term | Visiting professor
Paul Sabatier University and LNCMI – National Laboratory for Intense Magnetic Fields, Toulouse, France; electrical and optical experiments on graphene and semiconductor 2DEGs in the extreme quantum limit |

BOARD MEMBERSHIPS AND EXPERT PANELS

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| 2025 | International Evaluation Panel Member
QuantERA, Applied Quantum Science (AQS) panel; National Science Centre (NCN), Kraków, Poland; https://quantera.eu/wp-content/uploads/2026/09/List-of-members-of-the-Evaluation-Panel.pdf |
| 2024 – present | Board member
Grand Solutions Committee for Green Research, Technology Development and Innovation; Innovation Fund Denmark – IFD, Copenhagen, Denmark; https://innovationsfonden.dk/en/grand-solutions-committee-green-research |
| 2023 | International Expert Panel Member
Comparative Expert Assessment of Research and Development Activities of Lithuanian Universities and Research Institutes; Research Council of Lithuania, Vilnius, Lithuania |

TEACHING

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| Since 2016 | Applied physics (B.Sc.); Physics of solid-state quantum devices (M.Sc.)
University of Pavia, Italy |
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EDUCATION AND TRAINING

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| 2012 | Habilitation for <i>Professore universitario di II fascia</i> in Italian universities
Area – <i>Fisica sperimentale della materia</i> |
| 2010 | Habilitation for <i>Professeur des universités</i> in French universities |

2008 Section 28 – *Milieux denses et matériaux*
Habilitation for *Profesor titular de universidad* in Spanish universities
Area – *Física de la materia condensada*

Sept 1994 PhD in Physics
University of Pavia, Italy

March 1990 M.Sc. in Physics
University of Pavia, Italy

SCIENTIFIC AND INNOVATION ADVISORY

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- 2025 – present **Member, College of Expert Reviewers**
European Science Foundation (ESF), Brussels, Belgium; expert reviewer for the Research Foundation Flanders (FWO) Postdoctoral Fellowships Programme
- 2025 **External Expert Rapporteur**
EIT Urban Mobility (European Institute of Innovation and Technology – EIT), Impact Ventures, Barcelona, Spain; evaluation of start-up applications for financial support, preparation of Summary Evaluation Reports (SERs), and participation in the consensus assessment process
- 2024 – present **Expert Evaluator, Information Science and Engineering (ENG) and Chemistry (CHE) Panels**
Marie Skłodowska-Curie Actions (MSCA), European Research Executive Agency (REA), European Commission, Brussels, Belgium; expert evaluation, review and consensus assessment of proposals submitted to the Doctoral Networks and Postdoctoral Fellowships programmes
- 2023 – present **Scientific Expert**
EUREKA Network, Brussels, Belgium; review and evaluation of Eurostars funding applications for collaborative research and development projects led by innovative small and medium-sized enterprises
- 2023, 2024 **Independent Technical Evaluator**
European Climate, Infrastructure and Environment Executive Agency (CINEA) – Innovation Fund, Brussels, Belgium; technical evaluation of proposals under calls for battery manufacturing and net-zero technologies, including assessment of technological innovation, project maturity, impact, replicability and cost efficiency
- 2022 – present **Scientific Expert and Rapporteur**
Austrian Research Promotion Agency – FFG, Vienna, Austria; review and consensus assessment of proposals submitted to the *M-ERA.NET* programme for transnational research and innovation projects in materials science and engineering
- 2021 – present **Evaluation Board Vice-Chair and Rapporteur**
European Education and Culture Executive Agency – EACEA, Brussels, Belgium; assessment of Higher Education projects under the *Erasmus+* programme

2016 – present

Scientific Expert and External Evaluator

COST Association, Brussels, Belgium; preparation of individual assessment reports and participation in consensus review panels for *COST Action* proposals

PUBLICATIONS

Publication list available at Google Scholar:

<https://scholar.google.com/citations?hl=en&user=RgtfYoAAAAJ>

**EDITORIAL AND
REFEREEING ACTIVITY**

2025 – present

Ad-hoc divisional associate editor

American Physical Society (APS), College Park, USA; Physical Review Letters

2017 – present

Ad-hoc editorial board member

American Physical Society (APS), College Park, USA; Physical Review B and Physical Review X

1996 – present

Referee

Referee for journals published by:

American Institute of Physics – AIP, College Park, USA: Journal of Applied Physics, Applied Physics Letters, Review of Scientific Instruments

American Physical Society – APS, College Park, USA: Physical Review B, Physical Review Letters, Physical Review Materials, Physical Review X, Review of Modern Physics

Elsevier, Amsterdam, Netherlands: Applied Materials Today, Computational Material Science, Journal of Alloys and Compounds, Journal of Crystal Growth, Journal of Luminescence, Materials and Design, Materials Chemistry and Physics, Optical Materials

Institute of Physics – IOP, London, United Kingdom: 2D Materials, Journal of Physics D: Applied Physics, Materials Research Express, Nanotechnology, Physica Scripta

Royal Society of Chemistry – RSC, London, United Kingdom: Analyst, Nanoscale, Nanoscale Advances, RSC Advances

Springer Nature, Berlin, Germany: The European Physical Journal Plus

Wiley, Hoboken, USA: Advanced Optical Materials, Journal of Raman Spectroscopy, Laser & Photonics

LANGUAGES

Italian — Native

English — C2

French — C2

Spanish — C2

1st October 2026