

Paolo V. GIAQUINTA

PERSONAL DATA

PLACE AND DATE OF BIRTH	Messina, Italy · 21 May 1951
NATIONALITY	Italian
MARITAL STATUS	married to Mariangela Nastasi
SONS	Emanuele, Ruben
FORMER ACADEMIC AFFILIATION	Università degli Studi di Messina (retired)
HOME PAGE	https://paologiaquinta.bitbucket.io
EMAIL	paolo.giaquinta@unime.it

EDUCATION

12 JULY 1974	Graduate Degree (<i>Laurea</i>) in PHYSICS, University of Messina 110/110 <i>cum laude</i> – Thesis: “ <i>Hydrodynamic correlations in charged liquids</i> ” Advisor: Prof. Mario P. TOSI · Co-Advisor: Prof. Michele PARRINELLO
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EMPLOYMENT RECORD

30 SEPT 2021	Full Professor
1 NOV 1990	<i>Physics of Matter</i> University of Messina
31 OCT 1990	Associate Professor
22 JAN 1983	<i>General Physics</i> University of Messina
21 JAN 1983	Lecturer
1 NOV 1977	<i>Thermodynamics</i> University of Messina
31 OCT 1977	Postgraduate research grant for didactic and scientific formation, awarded by the <i>Ministry of Education</i> (Italy)
1 DEC 1974	University of Messina

POSTGRADUATE TEACHING AND SUPERVISING

	Teacher of graduate courses at the University of Messina and supervisor of ten research doctorate (Ph.D.) theses.
1991-92 1981-86	Teacher of graduate courses on <i>Statistical Mechanics</i> and the <i>Physics of Liquids</i> at the <i>International School for Advanced Studies</i> (SISSA-ISAS; Trieste, Italy).

PROFESSIONAL QUALIFICATIONS AND MEMBERSHIPS

since 1991	Accademia Peloritana dei Pericolanti (Italy) <i>Ordinary Member</i>
2001-2021	Institute of Physics (UK) <i>Fellow</i>
1984-2021	European Physical Society <i>Full Individual Member</i>
1979-2021	American Association of Physics Teachers (USA) <i>Member</i>

SERVICE TO THE UNIVERSITY: MAJOR ACADEMIC DUTIES

30 SEPT 2021 1 OCT 2020	Doyen of full professors at the University of Messina
2002-2004	Chair of the Joint Committee between the University of Messina and the National Research Council (CNR)
2002-2004	Rector's Delegate for the <i>Planning and Development of Scientific Research</i> at the University of Messina
1998-2002	Chair of the Panel for the <i>Planning and Promotion of Scientific Research</i> at the University of Messina
1995-1998	Chair of the undergraduate program courses in PHYSICS at the University of Messina (<i>Consiglio di Corso di Laurea in Fisica, Presidente</i>)

SERVICE TO THE PROFESSION: MAJOR RESPONSIBILITIES

2005-present	<i>Accademia Peloritana dei Pericolanti</i> : Director of the Division of Physical, Mathematical, and Natural Sciences
2004-2008	<i>Sardinian Laboratory for Computational Materials Science (SLACS)</i> : Member of the Steering and Evaluation Committee
2001-2005	<i>Accademia Peloritana dei Pericolanti</i> : Deputy Director of the Division of Physical, Mathematical, and Natural Sciences
1998-2003	<i>Istituto Nazionale per la Fisica della Materia (INFN)</i> : Director of the Theory Division · Member of the Scientific Council
1996-2001	<i>Accademia Peloritana dei Pericolanti</i> : Secretary to the Division of Physical, Mathematical, and Natural Sciences

EDITORIAL SERVICE

2005-present	<p>AAPP <i>Atti della Accademia Peloritana dei Pericolanti Classe di Scienze Fisiche, Matematiche e Naturali</i> (online edition, eISSN: 1825-1242) URL: http://www.actapeloritana.it Chair of the Editorial Board <i>(in this position – assumed on February 1, 2005 – PVG planned and assisted the migration of the journal from the print edition to the currently electronic open-access edition which became available online on June 1, 2005)</i></p>
1998-2002	<p><i>European Journal of Physics</i> (Institute of Physics Publishing, UK; ISSN: 0143-0807) URL: http://iopscience.iop.org/0143-0807 Member of the Editorial Board</p>
1996-2005	<p><i>Atti della Accademia Peloritana dei Pericolanti Classe di Scienze Fisiche, Matematiche e Naturali</i> (print edition, ISSN: 0365-0359) Institutional repository: http://cab.unime.it/mus/view/subjects/CLSFMN.html Member of the Editorial Board</p>

INSTITUTIONS VISITED

Imperial College of Science and Technology (London, UK)
 University of Oxford (Oxford, UK)
 Centre Européen de Calcul Atomique et Moléculaire (Paris, France)
 International Centre for Theoretical Physics (Trieste, Italy)
 International School for Advanced Studies (Trieste, Italy)

RESEARCH INTERESTS

Thermodynamics and Statistical Mechanics
 Condensed matter physics: Theory, modeling and simulation
 Thermodynamic, structural, and transport properties of simple and complex liquids

SCIENTIFIC PRODUCTION

Author¹ or editor of more than a hundred publications, most of which hosted in international peer-reviewed journals and refereed conference proceedings (full list available at <https://paologiaquinta.bitbucket.io/publist.pdf>).²

Most cited papers:

- A. M. Saitta, F. Saija, and P. V. Giaquinta, “*Ab initio* molecular dynamics study of dissociation of water under an electric field”, *Physical Review Letters* **106**, 207801 (2012) [5 pages] [URL]
- S. Prestipino, F. Saija, and P. V. Giaquinta, “Phase diagram of the Gaussian-core model”, *Physical Review E* **71**, 050102(R) (2005) [4 pages] [URL]
- P. V. Giaquinta and G. Giunta, “About entropy and correlations in a fluid of hard spheres”, *Physica A: Statistical Mechanics and its Applications* **187**, 145-158 (1992) [URL]

¹Open Researcher and Contributor ID (ORCID): orcid.org/0000-0002-4851-5105.

²See also lists and metrics at: (i) Publons ⇒ <https://publons.com/researcher/2885458/paolo-v-giaquinta/>; (ii) Scopus ⇒ <https://www.scopus.com/authid/detail.uri?authorId=7003599927>; (iii) Google Scholar ⇒ <http://scholar.google.com/citations?user=WpZDOacAAAAJ>; (iv) arXiv preprints ⇒ http://arxiv.org/a/giaquinta_p_1.

FORMERLY SUPERVISED STUDENTS STILL INVOLVED IN RESEARCH

Undergraduate students

Francesco BUDA (Laurea, 1982)

currently assistant professor at the *Universiteit Leiden* (Leiden, Netherlands)

A. Marco SAITTA (Laurea, 1994)

currently professor at the *Université Pierre et Marie Curie – Sorbonne Universités* (Paris, France)

Giancarlo TRIMARCHI (Laurea, 1999)

currently Computational Materials R&D Developer / Project Manager (Solna, Stockholm County, Sweden)

Giuseppe CASSONE (Laurea, 2012)

currently research associate at the *Istituto per i Processi Chimico-Fisici del Consiglio Nazionale delle Ricerche* (Messina, Italy)

Graduate students

Enrico GIANNETTO (Ph.D., 1991)

currently professor at the *University of Bergamo*, Italy

Giacomo FIUMARA (Ph.D., 1993)

currently associate professor at the *University of Messina*, Italy

Santi PRESTIPINO GIARRITTA (Ph.D., 1993)

currently associate professor at the *University of Messina*, Italy

Franz SAIJA (Ph.D., 1996)

currently senior research associate at the *Istituto per i Processi Chimico-Fisici del Consiglio Nazionale delle Ricerche* (Messina, Italy)

Maria Grazia DONATO (Ph.D., 1999)

currently research associate at the *Istituto per i Processi Chimico-Fisici del Consiglio Nazionale delle Ricerche* (Messina, Italy)