

PERSONAL INFORMATION **Salvatore Grimaldi**



✉ [salvatore.grimaldi@unitus.it](mailto:salvatore.grimaldi@unitus.it)

🌐 <https://www.researchgate.net/profile/Salvatore-Grimaldi-2>

Gender M | Date of birth 03/08/1972 | Nationality Italian

CURRENT POSITION Full Professor in Hydrology, DIBAF Department, Università degli Studi della Tuscia, Viterbo, Italy

WORK EXPERIENCE

- Dates (from – to) 2016 – to date
  - Name of employer Università degli Studi della Tuscia
  - Type of business or sector Public University
  - Occupation or position held Full Professor
  
- Dates (from – to) 2010 - to date
  - Name of employer New York University, Department of Mechanical and Aerospace Engineering
  - Type of business or sector Private University
  - Occupation or position held Adjunct Faculty
  
- Dates (from – to) 2004 - to date
  - Name of employer Sapienza Università di Roma, Centro Interuniversitario di Formazione Internazionale - Honors Center of Italian Universities - H2CU – [www.h2cu.org](http://www.h2cu.org)
  - Type of business or sector Public University
  - Occupation or position held Executive Committee Secretary
  
- Dates (from – to) 2009 - 2011
  - Name of employer Università degli Studi della Tuscia
  - Type of business or sector Public University
  - Occupation or position held Department Head
  
- Dates (from – to) 2001- 2005
  - Name of employer Consiglio Nazionale delle Ricerche
  - Type of business or sector Public Research Institution
  
- Dates (from – to) 2005-2016
  - Name of employer Università degli Studi della Tuscia
  - Type of business or sector Public University
  - Occupation or position held Associate Professor
  
- Dates (from – to) 03.2001 – 09.2001
  - Name of employer Massachusetts Institute of Technology, MIT, Cambridge, USA
  - Type of business or sector Private University
  - Occupation or position held Post-Doc

EDUCATION

- Dates (from – to) 1998 - 2001
- Name and type of organization Sapienza Università di Roma
- Principal subjects Hydrology applied to Engineering
- Title of qualification awarded Philosophy Doctor (Ph.D.) in Hydrology for Engineering
  
- Dates (from – to) 1997
- Name and type of organization Sapienza Università di Roma
- Principal subjects Hydraulic Engineering
- Title of qualification awarded Laurea “Ingegneria Civile Idraulica”

**PERSONAL SKILLS AND COMPETENCES**

Mother Tongue	Italian		
Other languages	READING	VERBAL	WRITING
English	C1	C1	C1

**Bibliometric information** Number of publications: 105 (Scopus database)  
 Google Scholar indexes: Citations: 6900 – H-index: 44 – i10-index: 75.  
[https://scholar.google.it/citations?view\\_op=list\\_works&hl=en&hl=en&user=WZ4OQcMAAAJ&alert\\_preview\\_top\\_rm=2](https://scholar.google.it/citations?view_op=list_works&hl=en&hl=en&user=WZ4OQcMAAAJ&alert_preview_top_rm=2)

**ADDITIONAL EXPERIENCES**

- President of International Association of Hydrological Sciences (IAHS – [www.iahs.org](http://www.iahs.org)) for the period 2025-2029. (The IAHS Association is a one-hundred years old association involving more than 10000 members. It is the first time that an Italian scientist serves as President)
- Member of the Scientific Committee of COST Association (<https://www.cost.eu>), since 2021 to 2023. COST Action Review Panel Member expert, since 2015 to 2019.
- As Executive Committee Secretary of the “Centro Interuniversitario di Formazione Internazionale – Honors Center of Italian Universities - H2CU”: coordinator of “College Italia” project (in charge of negotiation, purchase, and functioning of fifteen apartments in Manhattan, New York City, USA for supporting Italian students involved in dual degree graduate programs and exchange programs: [http://www.h2cu.org/drupaluni/dipartimento/\\_college-italia](http://www.h2cu.org/drupaluni/dipartimento/_college-italia)); coordinator of bilateral academic and research agreements with Columbia University, New York University, PACE University, and MIT.
- Member of Academic Senate of Università degli Studi della Tuscia, since 2021.
- President of the University Quality Board, Università degli Studi della Tuscia, 2016-2021.
- President of the international graduate program – dual degree - “Environmental Science for Large Urban Areas”, Università degli Studi della Tuscia - PACE University of New York, 2007-2011.
- Member Expert of “Comitato Tecnico di Magistrato delle Acque di Venezia”, 2013-2014.
- Member of Italian delegation for the IHP-UNESCO Intergovernmental Council, Parigi, 2008, 2010, 2012.
- Committee Member of Minister for Foreign Affairs for the project UNDP “Sustainable Development and Biodiversity Conservation for the People of Socotra Islands, Yemen”, Yemen, Socotra, 2008.
- Director of MechHydroLab - Mechanical Engineering for Hydrology and Water Science ([www.mechhydrolab.org](http://www.mechhydrolab.org)), Università degli Studi della Tuscia. A multidisciplinary laboratory composed of mechanical engineers, hydrologists, and water scientists for developing novel experimental systems for advanced environmental monitoring. Since 2015 to date. (Rai 1 – “Linea Verde Life” – January 21, 2021: <https://www.raisplay.it/video/2021/01/Linea-Verde-Life-Viterbo-0de46865-3dbc-4b1c-a099-7615b0c5edc9.html>).
- Member of Union Commission on Mathematical Geophysics (CMG) of IUGG, since 2019 to date.

- President of the International Commission on Statistical Hydrology of the International Association of Hydrological Sciences (ICSH-IAHS), 2011-2015 ([www.iahs.info](http://www.iahs.info)).
- Vice-President of Local Organizing Committee for the General Assembly of International Union of Geodesy and Geophysics, IUGG 2007. ([www.iugg2007perugia.it](http://www.iugg2007perugia.it))
- Editor in Chief of Geoscientific Instrumentation, Methods and Data Systems Journal, Copernicus, 2019-2023.  
Associate Editor of Stochastic Environmental Research and Risk Assessment, since 2022 to date.  
Associate Editor of Advances in Water Resources, since 2009 to date.  
Associate Editor of Hydrological Science Journal, 2009-2015.  
Associate Editor of Hydrology, 2013 -2019.  
Associate Editor of Journal of Agricultural Engineering, since 2022 to date.
- Convener or Co-convener in more than 20 Sessions in General Assemblies (IAHS, IUGG, AGU, EGU, ICWRER).
- Invited Speaker in Workshops and Conferences:  
Workshop CNR-Princeton "New Frontiers in Hydrology" Princeton University, USA, 2002.  
Workshop CNR-Princeton "New Frontiers in Hydrology", Princeton University, USA, 2005.  
Conference "Innovative Technologies for infrastructures and housing", Lille, France, 2005.  
Workshop CNR-Princeton "New Frontiers in Hydrology" Sapienza Università di Roma, Italy, 2009.  
Workshop CNR-Princeton "New Frontiers in Hydrology" Florida International University, Miami, USA, 2011.  
International Conference "Advances in Extreme Value Analysis and Application to Natural Hazards", EVAN2013, Siegen, Germany, 2013.  
Conference ESRI Italia, Roma, Italy, 2016.  
Conference "Measurement and Observations in the 21st Century", ESA-Esrin, Frascati, Italy, 2016  
Lecture, "Copula Application in Hydrology, TUM Technical University of Munich, Germany, 2017.  
Session H03, IUGG General Assembly, Berlin, Germany, 2023.
- Invited speaker in national conferences for the divulgation of hydrological topics:  
Workshop "Le Alluvioni e la Difesa del Suolo in Italia", Biblioteca Camera dei Deputati, Roma, Italy, 2014.  
Workshop "Hydrogeological Risk Management: Gender (Women-Men) issues and impacts", Senato della Repubblica Italiana, Sala Capitolare, Roma, Italy, 2015.  
Workshop "Rischio idraulico nei bacini idrografici urbani e secondari", Ministero delle politiche agricole alimentari e forestali, Roma, Italy, 2016.  
Workshop "Le piogge intense su Roma: un fenomeno antico o un cambiamento recente?" Sala della Protomoteca, Palazzo del Campidoglio, Roma, Italy, 2016.  
Workshop "Acqua e inquinamento dell'informazione", UCS - Unione Cattolica Stampa Italiana, Università degli Studi della Tuscia, Italy, 2016.  
#Watermanifesto "Nuove Frontiere per la ricerca, la sostenibilità ambientale e la comunicazione nel settore dell'Acqua", Presidenza del Consiglio dei Ministri, Roma, Italy, 2017.
- Main lecturer or Scientific Coordinator of Short Courses:  
ICID (International Commission Irrigation and Drainage), Roma, Italy, 2001.  
ICID (International Commission Irrigation and Drainage), Roma, Italy, 2004.  
CNR-MIT "Distributed Hydrologic Modelling using Geospatial Data and Tools" Sapienza Università di Roma, Italy, 2004.  
Corsi ICID (International Commission Irrigation and Drainage), Roma, Italy, 2005.  
CNR-MIT "Landscape form and processes: models and applications in watershed analysis", Università degli Studi della Tuscia, Italy, 2006.  
"Time series analysis in hydrological application", New Mexico Institute of Mining and Technology, USA, 2006.  
"Stochastic processes and Time Series Analysis" Università degli Studi della Tuscia, Italy, 2007.  
"GIS Terrain Analysis for Hydro-geomorphic applications", Columbia University, New York, USA, 2007.  
"GIS Terrain Analysis for Hydro-geomorphic applications", Polytechnic Institute of New York University, New York, USA, 2008.  
"Copula Function: theory and practice", Columbia University, New York, USA, 2009.  
"Mappatura del rischio idraulico con modelli bidimensionali", Regione Lazio, Roma, Italy, 2010.  
"GIS Terrain Analysis for Hydro-geomorphic applications", Agrarian University of Havana, Cuba, 2011.  
"Copula Function: theory and practice", Università degli Studi della Tuscia, Italy, 2011.  
"Copula for hydrological application", Leibniz University Hannover, Germany, 2013.  
"Copulas for hydrology and climate, University of California, Irvine, USA, 2014.  
"Copulas for hydrology and environmental sciences", Pau, France, 2015.  
"Copulas for hydrology and environmental sciences", Pieve Tesino, Italy, 2016.  
"Copulas for hydrology and environmental sciences", Nanjing, China, 2017.
- Reviewer of papers, books, and proposals for more than 140 Journals and Institutions (among others: Nature, Nature Climate Change, Scientific

Reports, Science Advances, PlosONE, Rendiconti Lincei – Science Fisiche e Naturali, Geophysical Research Letter, Water Resources Research).

- External evaluator or member of doctoral committee:
  - Doctoral Committee member at Ghent University, Faculty of Bioscience Engineering, Belgium, 2016.
  - Doctoral Committee member at TU Delft, Delft University of Technology, The Netherlands, 2018.
  - Doctoral Committee member at Université de Rennes 1, Rennes, France, 2018.
  - Doctoral Committee member at Politecnico di Milano, Italy, 2023.
  - Advisor, dual PhD program in Hydraulic Engineering-Mechanical Engineering, (Sapienza Università di Roma - New York University) 2010-2014.
- Coordinator of several projects, among others:
  - Local Coordinator of the project DeHySi - DEsign HYdrologic Simulation - Prin2022 of MUR – n. 2022NBXJSL, 2023-2025.
  - National Coordinator of the project “SIMPRO - SIMulazione idrologico-idraulico-economica di PROgetto per la mitigazione del rischio idraulico”, Call Environmental Ministry, (MATTM), 2019-2021.
  - Local Coordinator of the project “GEST-RIVER Gestione ecosostenibile dei territori a rischio inondazione e valorizzazione economica delle risorse” Call Environmental Ministry (MATTM), 2018-2020.
  - Local Coordinator of the project n. 737616 INFRASAFE - Monitoraggio intelligente per infrastrutture sicure” Call POR-FERS 2014-2020, Regione Emilia Romagna, 2016-2018.
  - National Coordinator of the Italy-USA bilateral project "Environmental Sensing of Water bodies through patrolling drones" of “Ministero degli Affari Esteri, Direzione Generale per la Promozione del Sistema Paese”. n. PGR00175, 2014.
  - National Coordinator of the Italy-USA bilateral project "Environmental Sensing of Water bodies through patrolling drones" of “Ministero degli Affari Esteri, Direzione Generale per la Promozione del Sistema Paese”. n. PGR00175, 2015.
  - National Coordinator of the project "Studio di un tracciante innovativo per le applicazioni idrologiche" - Prin2009 of MIUR – n. 2009CA4A4. 2011-2013.

According to law 679/2016 of the Regulation of the European Parliament of April 27, 2016, I hereby express my consent to process and use my data provided in this CV.

Rome, Italy, July, 2023

