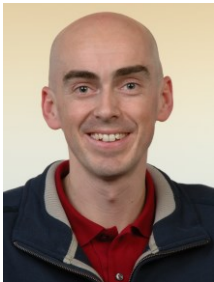


CURRICULUM VITAE

Massimo Rolle

Current Position	Associate Professor Technical University of Denmark (DTU)	
Birth date	15 th August 1977	
Nationality	Italian	
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EDUCATION

May 2006	Ph.D. in Environmental Geo-Engineering at the Polytechnic University of Turin, Italy
May 2002	Master Degree in Environmental Engineering at the Polytechnic University of Turin, Italy (GPA 110/110 with honors)
July 1996	High-school Diploma (GPA 60/60)

PROFESSIONAL EXPERIENCE

Sept 2014-present	Associate Professor at Technical University of Denmark (DTU)
Oct 2011-Sept 2014	Marie Curie International Outgoing Fellow (IOF) Stanford University (2011-2013) / University of Tübingen (2014)
Apr 2010-Sep 2011	Scientific Assistant to the Chair of Hydrogeochemistry/Applied Geology (Prof. P Grathwohl) at the University of Tübingen
Oct-Dec 2010	Research Scholar at Stanford University (USA). Collaboration with Prof. P.K. Kitanidis on pore-scale and continuum formulations of solute transport in groundwater
March-May 2008	Visiting Scholar at CSIRO, Perth, Australia. Collaboration with Dr. H. Prommer on field-scale modeling of biogeochemical data
Dec 2006-March 2010	Post-Doc at the University of Tübingen (Germany) in the Hydrogeochemistry group (Prof. P. Grathwohl)
May 2006	Ph.D. in Environmental Geo-Engineering at Polytechnic University of Turin. Thesis: "Reactive Transport of Organic Contaminants in Groundwater: a Kinetic Approach to Biogeochemical Modelling". Ph.D. advisor: Prof. A. Di Molfetta
Feb 2006-Jan 2008	Lagrange Research Fellowship (Progetto Lagrange-Fondazione CRT) collaboration Academia/Industry
Jan 2003-Dec 2005	Doctorate Research Course in "Environmental Geo-Engineering" at Polytechnic University of Turin
Sept 2002	Environmental Engineer Professional Habilitation (P.E.)
Oct 1996-May 2002	Faculty of Engineering at Polytechnic University of Turin: Master Degree Course in Environmental Engineering

RESEARCH INTERESTS

- Reactive transport of chemicals in groundwater and biogeochemical modeling
- Interpretation of isotopic signature of organic contaminants
- Investigation of mass transfer and reactive processes within the capillary fringe
- Arsenic contamination in groundwater
- Charge interactions in electrolyte solutions
- Hydrogeologic characterization and remediation of contaminated sites

ISI JOURNAL PUBLICATIONS

>60 ISI journal publications, >1000 citations, H-index=21 (Web of Science)

ResearcherID: A-7645-2015; ORCID: 0000-0001-8833-8951

TEACHING ACTIVITY AND STUDENT SUPERVISION

Courses taught at Polytechnic University of Turin (Italy), University of Tübingen (Germany) and at the Technical University of Denmark.

Classes taught at DTU:

- International PhD short course and summer school open to scientists, consultants and engineers from industrial companies and governmental agencies “Applied Reactive Transport Modelling” (12923), Lyngby 6th-10th June, 2016; organizer and lecturer.
- Academic Course: “Groundwater Resources” (12335). Master of Environmental Engineering, Technical University of Denmark; course coordinator.
- Academic Course: “Groundwater Resources Quality” (12336). Master of Environmental Engineering, Technical University of Denmark; course coordinator.
- Academic Course: “Modelling of Environmental Processes and Technology” (12104). Master of Environmental Engineering, Technical University of Denmark
- Academic course: “Soil and groundwater pollution” (99002), Sino-Danish Centre for Education and Research (SDC), Chinese Academy of Science (Beijing); course coordinator

Student Supervision

9 Ph.D. students and 20 Master students supervised and co-supervised at Polytechnic University of Turin, Stanford University (USA), University of Tübingen (Germany), Technical University of Munich (Germany) and Technical University of Denmark.

Currently supervises 2 Postdocs and 3 Ph.D. students.

ACADEMIC DUTIES

Associate Editor of Journal of Hydrology (from April 2014).

Peer-reviewer for the following international scientific journals: Applied Geochemistry; ES&T; Journal of Contaminant Hydrology; Journal of Hydrology; Environmental Earth Science; Journal of Hazardous Materials; Vadose Zone Journal; Geochimica et Cosmochimica Acta; Hydrology and Earth System Sciences; Water Resources Research.

Session Chair and Convener in International Conferences such as Africa Water Management: (Gaborone, Botswana, September 2008), Goldschmidt Conference 2012 (Montreal, Canada), and 2013 (Florence, Italy), European Geosciences Union 2017 (Vienna, Austria).

RESEARCH PROJECTS

PI, co-PI and coordinator in research projects funded by EU, DFG (German Research Foundation), BW Stiftung, BMBF (German Federal Ministry for Education and Research), CRT Foundation, Rambøll Fonden, Villum Fonden, IRFD (Independent Research Fund Denmark). On-going research projects:

- “GIGA: Gas Interchange between Groundwater and Air”, (2018-2021). Independent Research Fund Denmark [PI].
- “As-sources: Imaging the spatial distribution of arsenic contamination in groundwater”, (2017-2019). Villum Fonden [PI].
- “Mechanisms of release and transport of arsenic in groundwater of semi-arid basins in China”, (2015-2018). Sino-Danish Center [PI].

PROFESSIONAL RECOGNITIONS & AWARDS

- Villum Fonden Block’s Fellowship (2017-2019)
- Highly Cited Research Certificate in Journal of Contaminant Hydrology (January, 2017)
- Invited and keynote speaker in international conferences and seminars such as As2018, EGU 2015, Goldschmidt Conference 2014, 2015 and 2016, Tsinghua University (Beijing, 2016); Environmental Fluid Mechanics and Hydrology Colloquia (Stanford University, 2012)
- Featured publications and editor suggestions in scientific journals such as Environmental Science & Technology (2016), Physical Review Letters (2015) and Water Resources Research (2011)
- Colding Teaching Award for Best Course (12104) of the Year (DTU, September 2016)
- Certificate of Award Marie Curie Fellowship (EU, October 2015)
- Journal of Contaminant Hydrology: Certificate of Excellence in Reviewing (2013)
- Elite PostDoc (Baden-Württemberg Stiftung, 2012)
- Environmental Science & Technology: Editor’s Certificate of Appreciation for Peer Review Activity (December 2011)
- Lagrange Fellowship (CRT Foundation, 2006-2008)
- Scholarship for the 3-year Ph.D. program in Environmental Geo-Engineering at Polytechnic University of Turin (Funded by the Italian Government, 2003-2005)
- Graduation with honors in Environmental Engineering at Polytechnic University of Turin

Student Awards (selected)

Muhammad Muniruzzaman (PhD graduation with honors “summa cum laude” at University of Tübingen, 2016); Biao Jin (PhD graduation with honors “summa cum laude” at University of Tübingen, 2014); Christina Haberer (1st Prize in the “VisiSens Best Time-Lapse Movie Competition 2013”); Christina Haberer (Prize for best PhD thesis in groundwater in Germany 2013); Muhammad Muniruzzaman (Best Poster Quenstedt Feier, Tübingen, 2013); Biao Jin (Chinese Government Award for Outstanding Students Abroad, 2013); David Hochstetler (Outstanding Student Paper Award, AGU Fall Meeting 2012); Gabriele Chiogna (Best Poster contribution at IDRA Conference, 2012); Gabriele Chiogna (Award for outstanding contribution at the Summer School “Flow and Transport in Porous and Fractured Media”, 2010); Gabriele Chiogna: Best Poster contribution at the Conference FH-DGG, 2010).