

PERSONAL INFORMATION



Giovanni Moretti

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🆔 ORCID [0000-0002-1020-6016](https://orcid.org/0000-0002-1020-6016)

Gender Male | Date of birth 24 January 1977 | Nationality Italian

WORK EXPERIENCE

November 2018 – Present

Associate Professor

UNIMORE | Università degli Studi di Modena e Reggio Emilia, Modena, Italy

September 2008 – October 2018

Research Associate

UNIMORE | Università degli Studi di Modena e Reggio Emilia, Modena, Italy

September 2006 – August 2007

Post-Doc Researcher

Università degli Studi di Milano, Milano, Italy

EDUCATION AND TRAINING

2003–2006

Ph.D. in Hydrology

Università degli Studi di Ferrara, Ferrara, Italy

1995–2001

M.Sc. Degree in Civil Hydraulic Engineering

Università degli Studi di Ferrara, Ferrara, Italy

RESEARCH INTERESTS

Terrain analysis. Land-atmosphere interaction. Surface flow propagation. Surface-subsurface flow modelling. Flood protective measures. Flood control reservoirs. Sustainable water resources engineering. Mountain reservoirs. Wildlife impact on levees. Climate modelling.

EDITORIAL DUTIES

2009–Present

Peer Reviewer, Water Resources Research

American Geophysical Union

2018–Present

Peer Reviewer, Journal of Geophysical Research: Earth Surface

American Geophysical Union

2018–Present

Peer Reviewer, Hydrology and Earth System Sciences

European Geoscience Union

PERSONAL SKILLS

Mother tongue

Italian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	C1
French	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Digital competences	SELF-ASSESSMENT				
	Information Processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

[Digital competences - Self-assessment grid](#)

ADDITIONAL INFORMATION

Publications Total number of publications in peer-review journals: 12
 Total number of citations (Scopus): 391
 H index (Scopus): 9

SELECTED PUBLICATIONS

- 1 Moretti, G., and S. Orlandini (2018), Hydrography-Driven Coarsening of Grid Digital Elevation Models, *Water Resour. Res.*, 54(5), 3654–3672.
- 2 Orlandini, S., G. Moretti, and J. D. Albertson (2015), Evidence of an emerging levee failure mechanism causing disastrous floods in Italy, *Water Resour. Res.*, 51(10), 7995–8011.
- 3 Orlandini, S., and G. Moretti (2009), Determination of surface flow paths from gridded elevation data, *Water Resour. Res.*, 45(3), W03417.
- 4 Moretti, G., and S. Orlandini (2008), Automatic delineation of drainage basins from contour elevation data using skeleton construction techniques, *Water Resour. Res.*, 44(5), W05403.
- 5 Orlandini, S., G. Moretti, M. Franchini, B. Aldighieri, and B. Testa (2003), Path-based methods for the determination of nondispersive drainage directions in grid-based digital elevation models, *Water Resour. Res.*, 39(6), 1144.

STATEMENT AND SIGNATURE

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

Signature