

CURRICULUM VITAE

Luca Solari

Department of Civil and Environmental Engineering, University of Florence

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a. Education

BS-MS: 5- year course in Civil Engineering with honours from University of Genoa (Italy), 1996.

Doctorate: Ph.D. in ‘Hydraulic Engineering’, University of Padua (Italy), 2000.

b. Appointments

09/2000-12/2011: assistant professor at the Department of Civil and Environmental Engineering, University of Florence, Italy.

12/2011- present: associate professor at the Department of Civil and Environmental Engineering, University of Florence, Italy.

National scientific qualification for Full Professor in ‘Hydraulics’ obtained on January 2015.

c. Research topics

Fluvial and lagoon hydro-morphodynamics; sediment transport; river engineering.

Luca Solari is author of more than 30 ISI papers (h-index 15; 621 citations) in leading peer-reviewed international journals (e.g., Journal of Geophysical Research, Water Resources Research, Geomorphology) and more than 80 contributions in proceedings of national and international conferences.

d. Editorial activity

Associate Editor for the J. of Hydraulic Engineering (American Soc. Civil Eng.) since 2015.

Associate Editor for the J. of Geophysical Research – Earth Surface (American Geophysical Union) since 2017.

Reviewer for various international leading journals (including Water Res. Res., Sedimentology, Geomorphology, Advances in Water Resources, Geophysical Research Letters)

e. Teaching at the Engineering School – University of Florence

Undergraduate course: Fluid mechanics

Postgraduate course: Environmental Fluid Hydraulics.

f. Products

Recent relevant publications

Peruzzi, C, Castaldi, M, Francalanci, S, Solari, L. (2018) Three-dimensional hydraulic characterisation of the Arno River in Florence. *J Flood Risk Management*. e12490. <https://doi.org/10.1111/jfr3.12490>

Michelazzo, G., Paris, E. and Solari, L. (2018), On the vulnerability of river levees induced by seepage. *J Flood Risk Management*, 11: S677-S686. doi:[10.1111/jfr3.12261](https://doi.org/10.1111/jfr3.12261)

Galloway G., Seminara G., Günter Blöschl G., Garcia M., Montanari A., Solari L. (2017). Saving a World Treasure: Protecting Florence from Flooding. Firenze University Press. ISBN: [978-88-6453-677-4](https://doi.org/10.1002/rra.2910)

Solari, L., Van Oorschot, M., Belletti, B., Hendriks, D., Rinaldi, M., and Vargas-Luna, A. (2016) Advances on Modelling Riparian Vegetation—Hydromorphology Interactions. *River Res. Applic.*, 32: 164–178. doi: [10.1002/rra.2910](https://doi.org/10.1002/rra.2910).

Bondoni, M., Mel, R., Solari, L., Lanzoni, S., Francalanci, S., and Oumeraci, H. (2016), Insights into lateral marsh retreat mechanism through localized field measurements, *Water Resour. Res.*, 52, 1446–1464, doi:[10.1002/2015WR017966](https://doi.org/10.1002/2015WR017966).