

Short Curriculum Vitae

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Work Experience (Last 5 years)

2023-Present: Assistant Professor. Institute of Hydro-Engineering - Polish Academy of Sciences-

2022-2023: Researcher. Laboratório Nacional de Engenharia Civil. Lisboa. Portugal

2020-2022: Researcher. CERIS: Civil Engineering Research for Innovation and Sustainability. Instituto Superior Técnico. University of Lisbon. Portugal.

2020-2022: Visiting scholar. Vrije Universiteit Brussel. Belgium.

2017-2019: Researcher. University of Bologna. Italy.

Education

2008-2013: PhD in Engineering Sciences. Université catholique de Louvain. Louvain-la-Neuve. Belgium.

Teaching Experience

2016-2021: Lecturer in the W.A.T.E.R. Summer School of courses on (i) Hydraulic Measurements; (ii) Particle Tracking Velocimetry and (iii) Data Processing and Visualization

2011-2012: Teaching assistant. Université catholique de Louvain. Louvain-la-Neuve. Belgium. In charge of preparing the exercises courses in Hydraulics, laboratory courses and the practical part of the final exams.

Relevant Publications on experimental techniques

F. Molteni Perez, **R. Aleixo**, A. Gubler, P. Winckler and M. Reyes. Tracking the transport of pollutants by means of imaging methods. *Acta Geophys.* (2022). DOI: 10.1007/s11600-022-00897-2

R. Aleixo, M. Guerrero, Michael Nones and Nils Ruther (2020). *Applying ADCPs for long term monitoring of SSC in rivers*. *Water Resources Research*. DOI: 10.1029/2019WR026087

R. Aleixo, S. Soares-Frazão and Y. Zech (2018). *Statistical analysis methods for transient flows – the dam-break case*, *Journal of Hydraulic Research*. DOI:10.1080/00221686.2018.1516700.

R. Ferreira, **R. Aleixo** (2017). Laser Doppler Velocimetry/Anemometry. *Experimental Hydraulics: Methods, Instrumentation, Data Processing and Management, 2 volume set*, volume 2: Instrumentation and Measurement Techniques; edited by M. Muste, J. Aberle, D. Admiraal, R. Ettema, M. H. Garcia, D. Lyn, V. Nikora, C. Rennie. Taylor and Francis. ISBN: 978-1-138-03815-8 (to be published by Taylor & Francis in July 2017).

L. Mendes, F. Antico, P. Sanches, F. Alegria, **R. Aleixo** and R.M.L Ferreira. (2016). *A particle counting system for calculation of bedload fluxes*. *Measurement Science and Technology* 27(12):125305.