



Università degli Studi della Basilicata
Scuola di Ingegneria

PROF. Aurelia Sole

SCIENTIFIC CURRICULUM VITAE:

SCIENTIFIC CURRICULUM VITAE: Full Professor in the field of Computational Hydraulic, Environmental Models and GIS, Management of Hydraulic and Hydrologic risk. Teaching staff coordinator of PhD in Methods and Technologies for Environmental Monitoring, Teaching staff coordinator of PhD in Engineering for Innovation and Sustainable Development; from 2007 to 2012 Director of Department of Engineering and Environmental Physics - University of Basilicata; Researcher in the field of Water Management, flood risk evaluation by hydrodynamic models and Geographic Information Systems; coordinator of national and international research projects; Member of scientific committee of Flood Recovery Innovation and Response (FRIAR) Conferences, Wessex Institute of Technology. Author of more than of 100 scientific and technical papers in the fields of: hydraulic engineering, with particular attention to: hydrologic problems; applications and proposal of new models to analyse flood risk in urban and natural environment; development of models for assessing the systemic vulnerability in flood and landslide prone areas; evaluation of risk consequent to dam break; river dynamics and morphology, distributed models supported by GIS; control and evaluation of pollution in water bodies, generated from point and non point sources pollution; hydrogeological water balance in a carbonate hydro-structure.

PROFESSOR'S OFFICE HOUR:

Monday: 11.30-13.00

Wednesday: 15.30-16.30

Tuesday: 11.30-13.00

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