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PROF. FRANCESCO SDAO

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SCIENTIFIC CURRICULUM VITAE:

Francesco Sdao, graduated with honours in Geological Science, is Full Professor of Engineering Geology and works at School of Engineering of Basilicata University (Italy), where teaches Engineering Geology.

He is Vice Rector for International Relations of Basilicata University.

He is Head of Laboratory of Engineering Geology and Environment and Chair of the Research area in Science of the Hydrosphere of the Engineering School.

He was visiting professor (2006, 2008, 2009 and 2010, 2011 academic years) at the Department of Natural Resources and Environment of the Technological Educational Institute of Crete (TEI) (sect. Chania) (Greece), where he taught some cycles of lectures and seminars on monitoring techniques and models for natural hazard assessment and risk.

He is a member of board of Professors of the PhD course on "Engineering for Innovation and Sustainable Development activated at the Basilicata University and member of the Scientific Council and professor in the High School in Archaeological Heritage (Basilicata University).

He gave numerous invited lectures, in various important foreign and Italian universities, about innovative methods and techniques for the hydrogeological hazard and risk assessments (landslide, karstic hazard, groundwater pollution). His researches are mainly focused to: 1. applied geomorphology for the study and monitoring of slope instability through the integration of innovative techniques of remote sensing and of monitoring; 2. the evaluation of landslide hazard and the consequent geological risk by the use of new methods borrowed from artificial Intelligence models, with particular reference to the analysis of artificial neural networks, fuzzy logic, etc.; 3. the development of models for the evaluation of systemic vulnerability of complex urban areas subject to combined natural risks; 4. applied hydrogeology for the study, for the evaluation of the risk of pollution and environmental protection of large carbonate aquifers in the Mediterranean basin.

Since 2007, he is Earth Science Review of new UNESCO World Heritage List, designed by the International Union of Geological Science.

He is scientific reviewer of international journal, including Engineering Geology, Geomorphology Journal, Journal of Cultural Heritage, Environmental Earth Science, Natural Hazard, Geophysics, Journal of Geophysics and Engineering, Environmental Research Letters, Natural Hazard and Earth System Science.

Francesco Sdao have published, from 1983 until now, more than 160 scientific papers, most of which on international journals, in international conference proceedings, in international books. Further, he realized many geomorphological and hydrogeological maps related to some Italian and Greek areas.

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PROFESSOR'S OFFICE HOUR:

Wednesday: 15.00 – 17.00

Thursday: 8,30 – 10,30



Università degli Studi della Basilicata  
**Scuola di Ingegneria**

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