PROF. Francesco Sdao

SCIENTIFIC CURRICULUM VITAE:

Prof. Francesco is graduated with honours in Geological Science from University of Rome "La Sapienza".
Prof. Sdao works at School of Engineering of Basilicata University (Italy), where teaches Engineering Geology.
He is Vice Rector for Internationalization and International Relations of Basilicata University.
He is Head of Laboratory of Engineering Geology and Environment.
He is the chair of the Research area in Science of the Hidrogeosphere of the Engineering School.
He was visiting professor (2006, 2008, 2009 and 2010 accademic years) at the Department of Natural Resources and Environment of the Technological Educational Institute of Crete (TEI) (sect. Chania) (Greece), where he taught 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.
He is 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. study of geomorphological and morpho_evolution characters of mass movements (landslide and DGPV), and relationships between diffuse landsliding and triggering factors (rainfalls, earthquakes, ect) in Southern Italy;
2. monitoring and modelling techniques and methods for landslide hazard and risk assessment;
3. applied geomorphology for cultural and archaeological heritage safeguard, with particular reference to historical landslides and climatic change in lucanian archaeological areas in classcal period;
4. landslide hazard and risk assessment through the artificial intelligence models (artificial neural networks, Fuzzy logic, etc.);
5. remote sensing and geophysical techniques for slope instability studies and monitoring;
6. landslide hazard and risk assessment through the artificial intelligence models (artificial neural networks, Fuzzy logic, etc.);
7. hydrogeological characterization, monitoring and modelling of groundwater located in large carbonate and porous aquifers in Mediterranean basin;
8. the assessment of the vulnerability and the risk to pollution of extensive carbonate hydro-structures in the Mediterranean region, using mainly innovative methods and techniques.
Since 2007, he is Earth Science Review of new UNESCO World Heritage List, designed by the International Union of Geological Science.

PROFESSOR'S OFFICE HOUR:

Scuola di Ingegneria, 3° piano, stanza 63,
mercoledì, ore 15.00 - 17.00

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