

PROF. DR LEONARDO CASCINI



BIOGRAPHY

Leonardo Cascini was born in Naples on August 4, 1947. He has been a Full Professor of Geotechnical Engineering since 1990. He is currently the head of the Department of Civil Engineering and member of the Senate of the University of Salerno.

He has taught, over the years, various geotechnical engineering courses in different Universities in Italy and he currently teaches "Geotechnics", a course for the Master Degree in Civil and Environmental Engineering of the University of Salerno.

Since the beginning of his Academic career, he has worked on various research topics ranging from the basic theoretical aspects of geotechnical engineering to the geotechnical characterization of complex soils, from the conventional and innovative monitoring of complex geotechnical phenomena to the use of advanced numerical modelling techniques, with a particular interest for the landslide analysis and risk management. The results of his research activities are testified by over 200 publications (more than 50 on Journals) as well as by the coordination/participation in National and International research projects (e.g. PRIN, EU SAFELAND project). In 2007, he was indicated by the JTC1 of the ISSMGE as one of the six world experts to prepare the "Guidelines for Landslide Susceptibility, Hazard and Risk Zoning for Land Use Planning".

Together with his intense research activity, he has been involved in a number of management activities always trying to transfer his "Academic knowledge" to practitioners and, more generally, to the Society. In 1998, he served, appointed by the Dept of Homeland Security, as Scientific director of the Committee managing the hydrogeological emergency that followed the May 1998 catastrophic landslides in the Campania Region. From 1999 to 2005, he was Director of C.U.G.Ri., a Consortium between the Universities of Salerno and Naples dealing with the "prediction and prevention of great risks." From 2001 to 2005, he was Director of the Centre of Excellence "Hydrogeological risk: prediction and prevention over vast areas," funded by the Italian Ministry of Education. In 2005, he founded the International School on "Landslide Risk Assessment and Mitigation" (LARAM), which he still directs. Over the years, 10 LARAM Courses for PhD students have been offered, 8 of which held in Italy (University of Salerno) and 2 in China (Chengdu University of Technology).

TOP 5 PUBLICATIONS SELECTED BY LECTURER

Fell R.; Corominas J.; Bonnard Ch.; **Cascini L.**; Leroi E.; Savage B.(2008). Guidelines for landslide susceptibility, hazard and risk zoning for land use planning. Engineering Geology. Vol. 102. Pag.85-98 ISSN:0013-7952.

Cascini L., Fornaro G., Peduto D.(2010). Advanced low- and full-resolution DInSAR map generation for slow-moving landslide analysis at different scales. Engineering Geology. Vol. 112. Pag.29-42 ISSN:0013-7952.

Bilotta E.; **Cascini L.**; Foresta V.; Sorbino G. (2005). Geotechnical characterization of pyroclastic soils involved in huge flowslides. Geotechnical And Geological Engineering. Vol. 23. Pag.365-402 ISSN:0960-3182.

Cascini L., Cuomo S., Pastor M., Sorbino G. (2010). Modelling of rainfall-induced shallow landslides of the flow-type. Journal Of Geotechnical And Geoenvironmental Engineering. Vol. 136. Pag.85-98 ISSN:1090-0241.

Cascini L.; Ferlisi S; Fornaro G; Lanari R; Peduto D; Zeni G (2006). Subsidence monitoring in Sarno urban area via multitemporal DInSAR technique. International Journal Of Remote Sensing. Vol. 27(8). Pag.1709-1716 ISSN:0143-1161.