

Curriculum Vitae of Romanelli Fabio

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22/09/1967 born in Udine (Italy)

Academic history:

1993 laurea degree in physics at the University of Trieste with honors

1997 PhD degree in geophysics at the University of Trieste

Appointments:

1993 - 1995 PhD student at the University of Trieste

1996 - 2000 Researcher at the GNDT- CNR (National Group for the Defense from Earthquakes – National Council of Researches)

2000 - Researcher at the Department of Earth Sciences, University of Trieste

2000 - Assistant Professor of Seismology and Acoustics, University of Trieste
Lecturer and Teaching Assistant to several Workshops held by The International Centre for Theoretical Physics (ICTP) Trieste

- Editor (Solid Earth Sciences) of Pure and Applied Geophysics
- Programme Committee Member (Seismology) of EGS-EGU-AGU
- EGU Officer: secretary (Surface waves) of the Seismology Division
- Convener of “Groundshaking Scenarios and site effects” of EGS-EGU-AGU (2001-2004)
- Member of the Commissions “Effects of Earthquakes on Megacities” e “Strong Ground Motion, Earthquake Hazard and Risk” of IASPEI
- Member of the Working Group “Effects of Surface Geology on Seismic Motion” (now IASPEI)
- Leader of the ASC-SHR Joint Working Group on Seismic Hazard and Risk Assessment for Asian-Pacific Regions

Research topics:

- seismic wave propagation, and modelling, in laterally heterogenous media
- seismic wave generation by extended sources
- tsunami propagation, and modelling, in laterally heterogenous oceanic media
- groundshaking scenarios and seismic hazard estimation
- estimation of groundshaking site effects
- realistic definition of seismic input; estimation of parameters of seismic engineering importance
- Author of more than 20 peer-reviewed publications on international scientific journals.

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Projects:

The Catania Project (GNDT, PE98 6b1); **Scenari di pericolosità sismica ad Augusta, Siracusa e Noto** (GNDT, PE98 6b2); **Microzonazione** (GNDT, PE98 6a4); **VAB Project** (Advanced Methods For Assessing The Seismic Vulnerability of Existing Motorway Bridges, Env4-Ct97-0574, European Commission); **UGS-UNESCO IGCP Project 414** (Realistic Modeling of Seismic Input for Megacities and Large Urban Areas,); **Geophysical studies for the deterministic evaluation of seismic risk** (Progetti Congiunti 2000-2002 tra Italia e Cina); **Progetto Priolo** (La messa in sicurezza dell'area industriale di Priolo-Augusta rispetto al rischio terremoto e maremoto, ANPA 2002-2003); **Deterministic seismic hazard assessment for Spain** (Azioni integrate Italia-Spagna 2002-2003); **Valutazione della pericolosità sismica in alcune località dell'Umbria** (Regione Umbria, 2002-2004); **Realistic site specific seismic hazard assessment for mega-cities utilizing modelling techniques** (MAE Italy-India, 2005-2007); **UGS-UNESCO IGCP Project 487** (Seismic Microzoning of Latin American Cities, 2004-2008) **Establishing appropriate approaches to increase tsunami preparedness in Vietnam** (MAE Italy-Vietnam, 2006-2008).