

Session ID: EVO-5

Title

EARTHQUAKE ENGINEERING IN ITALY: A HISTORICAL PERSPECTIVE IN MEMORY OF PROF. GIUSEPPE GRANDORI

Convenors

L. Petrini ¹, R. Paolucci ¹

Description

Since the early 70s of the past century, Earthquake Engineering in Italy has grown dramatically, also because of the frequent seismic tragedies that Italy has faced. Initially, a small group of researchers from the Italian Academy and Scientific Institutions, directed by Prof. Grandori (1921-2011), gave rise to some of the earliest studies in the world dealing, among many research topics, with seismic hazard and seismic risk assessment, technical norms for earthquake engineering, seismic response of masonry and historical structures. After the tragic earthquakes of Friuli (1976) and Irpinia (1980), they contributed to push the Italian government towards a political action for earthquake defense, leading to the foundation of the Italian Civil Protection Department and giving rise to a strict collaboration of the research and public administration worlds. Nowadays, a large community of experts, coming from the Academy, National Research Centers, National Institute of Geophysics and Volcanology and Civil Protection Department, is actively working within a common and coordinated effort for improving tools for seismic risk mitigation and emergency management.

In this technical session, we invite presentations aimed at tracing the evolution of Earthquake Engineering in Italy, starting from the early governmental measures for reconstruction of the areas hit by devastating earthquakes in the past centuries, up to the recent decades activities with the subsequent organization of research in Earthquake Engineering and Seismic Risk Assessment, providing an historical perspective about how this has evolved, what are the main achievements, what are the critical aspects and lessons learnt, and how this may possibly be improved for the future.

Invited Speakers

G.M. Calvi ², M. Dolce ³, E. Faccioli ¹, V. Petrini ¹, M. Stucchi ⁴

Affiliations

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