SPONSE INTERNATIONAL ASSOCIATION FOR THE SEISMIC PERFORMANCE OF NON-STRUCTURAL ELEMENTS

Research Organization:

Sapienza University, Rome, Italy
Department of Structural Engineering and Geotechnics

Short Description of the Organization:

The Department of Structural and Geotechnical Engineering of the Sapienza University of Rome has a distinguished history and a tradition of excellence in teaching, research, and services dating back to1873. There are three main broad research areas: Solids and Structural Mechanics, Earthquake and Structural Engineering, and Geotechnical Engineering.
Teaching comprises theoretical, computational and experimental approaches to problems on the behaviour of structures, for different applications, as well as the response of structures (e.g., buildings, bridges, and complex structures), under service and environmental loads (e.g., traffic, wind, earthquake, fire, and waves), in static and dynamic conditions, considering materials characterization and durability, and structure interaction (such as fluid structure, soli structure, to name but a few) with the surrounding environment. These engineering programmes are now part of a wide range of undergraduate courses allowing students to undertake accredited degree programmes for both the Faculty of Engineering and the Faculty of Architecture.
The Department's facilities at the service of a number of Faculties include state-of-the-art teaching, research, experimental laboratories, computing laboratories equipped with the latest software and a specialised library to support teaching and state of the art research. Specialisations of the Department are diverse but they share a common desire to advance the boundaries of scientific and technological knowledge in the mechanical behaviour of civil engineering. A special focus is given to novel application, such as those associated with risk analysis, vibration control, and the creation of new materials for industrial and biomechanical applications. The Department's academic and research activities have attained an international reputation for excellence in areas such as structural dynamics and control, earthquake engineering, risk analysis, fullscale monitoring, behaviour of structural and geotechnical systems (galleries, tunnels), structural analysis and design of building structures and non-structural components, smart structures, and the structural reliability of historic buildings and monuments.

Website: www.uniroma1.it; www.disg.uniroma1.it