Curriculum Vitae
of
Dr. Maria Gabriella CASTELLANO

Born in 1966 at Perugia, Italy. Graduated in Civil Engineering at the University of Ancona, Italy, in 1991. Ph.D. in Structural Engineering at the University of Florence, Italy, in 1996. Ph.D. thesis on non linear elastic models for elastomeric isolators.

Employed by FIP Industriale since 1996 in its R&D department. Since 2018, Supervisor of R&D Department in FIP MEC, a new company created by the branch of FIP Industriale dealing with design, manufacturing and testing of structural devices, i.e. structural bearings, expansion joints, antiseismic devices. Since December 2020, Project Manager in FIP MEC Academy.

Main qualifications: control of the seismic response through seismic isolation and passive energy dissipation of both new and existing structures, in particular buildings, tanks, etc.; design of anti-seismic devices, i.e. seismic isolators and energy dissipation devices; testing; research coordination; project management; technical writing; public speaking.

Since 1996 she has been involved in a lot of research projects, some of them co-funded by the European Commission, aimed at developing innovative seismic devices for different types of structures, from industrial plants, e.g. petrochemical plants or nuclear power plants, to monumental buildings, as well as for non-structural elements (e.g. art objects). For example, the European projects ISTECH, REEDS, HARIS, INDEPTH, SILER, FREEDAM, SERA-SEREME, etc.

Author or co-author of more than 90 scientific papers, mainly on structural dynamic response and innovative aseismic techniques like base isolation and passive energy dissipation.

Chairman of the Special Theme Session “Petrochemical facilities and large LNG storage tanks” at the First European Conference on Earthquake Engineering and Seismology, 2006, Geneva, Switzerland.

Lecturer on seismic isolation and energy dissipation techniques in many seminars and courses for undergraduate and graduate students as well as for professional engineers. Furthermore, she regularly acts as a consultant to structural engineers for the design of both new and existing structures with seismic isolation and/or energy dissipation devices.

In the past, she has participated in two Working Groups of CEN (European Committee for Standardization) Technical Committee No. 340, charged with the drafting of the European standard on seismic devices (EN 15129). She is now member of the Technical Panel on Structural Engineering of UNI (Italian National Standardization Body).