



Research Organization:

Institute for advanced study of Pavia, IUSS, Pavia, Italy

Short Description of the Organization:

IUSS-Pavia, the Institute for Advanced Study of Pavia, is the last step of a long lasting higher education process started on 825 when King Lotharius appointed Pavia, the ancient capital of the Lombard kingdom, as the site for higher education of his kingdom. This process went through the foundation in 1361 by Emperor Charles IV of the Studium Generale later on named University of Pavia. The first Colleges for university students were established in the 15th and 16th centuries. They are now 15 offering, to the almost 2000 students, a unique opportunity of study and cultural enrichment in a multidisciplinary and multiethnic environment. Through centuries, the University of Pavia became one of the leading institutions in Europe. Due to the completeness of its education and training fields, which allows a strong interdisciplinary approach, the mission of IUSS is that of contributing to the growth of a small number of students by offering them, at any step of their higher education, qualified programs enhancing their capabilities and knowledge. The Institute is also committed to scientific progress by preparing young researchers and developing scientific research programs. The activities carried out by the Centre for Post-Graduate Training and Research in Understanding and Managing Extremes (UME), hosted at the EUCENTRE Foundation, have as fundamental object the higher education and research in the field of disaster risk assessment, management of extreme situations and risk mitigation. Since 2011, the Centre supports the Advanced Post-Graduate School UME (Understanding and Managing Extremes, www.umeschool.it) of the IUSS-Pavia in terms of research and training in fields of probabilistic assessment, risk mitigation and management of post-disasters emergencies. The activities of the UME Centre are carried out at IUSS-Pavia and Eucentre Foundation (www.eucetre.it) with a strong collaboration between IUSS and Eucentre staff. The training includes Master and Doctoral programmes, short courses and advanced seminars focusing on targeted topics. The personnel of the UME Centre is directly involved in the organization of the educational offer, being supervisor of the MSc and PhD students and managing the Centre itself.

Within EUCENTRE, a research section on the seismic performance on non-structural elements was created in 2014. The section is composed of engineering experts who develop analytical and experimental methods in order to improve knowledge on the seismic performance, analysis and design of non-structural building elements in buildings and facilities. One important activity of this section is to collect and process information on non-structural elements in real buildings in order to better define seismic risk and expected damage or losses. In addition, this section is working closely with the recently created International SPONSE Association headquartered at EUCENTRE.

Website: www.iusspavia.it