Aiming at a unique diversity of teaching and research training, the organisation of the ROSE, REM and WRR Programmes is based on a relatively short permanence of scholars with extremely high qualification. Indeed, all lecturers are internationally recognised experts in their field, coming from a number of distinguished institutions.

The European Commission has approved and financed within the Erasmus Mundus II the Masters on Earthquake Engineering and Engineering Seismology (MEEES), coordinated by UME School and featuring also the participation of University of Grenoble Joseph Fourier (France), University of Patras (Greece) and Middle East Technical University (Turkey), which aims to enhance quality in European higher education and to promote intercultural understanding through cooperation with third countries, a number of scholarships are available for both non-European and European students. Interested applicants are invited to visit the MEEES website for detailed information and instructions on financial conditions and application procedure.
THE UME SCHOOL
The postgraduate school in Understanding and Managing Extremes (UME) is a new exciting development of IUSS Pavia (Institute for Advanced Study in Pavia, www.iusspavia.it), a higher education institution in Italy that offers international advanced postgraduate programmes (Masters and Doctorates). Innovative, internationally planned, open minded, grown on the traditionally fertile soil of the University of Pavia, and based on a system of Colleges unique in Italy, IUSS prepares brilliant individuals to take on the most challenging and demanding public and private positions in contemporary Italy, Europe and the rest of the world. In this framework, the UME School offers graduate programmes geared towards the evaluation of hazards and a secondary focus on human-made, technological and biomedic risk linked to hydro-meteorological extremes and is run in collaboration with CIMA Research Foundation located at the Savona campus of the University of Genoa.

INTERNATIONAL ROSE AND UME SCHOOL SEMINARS
As a part of the School’s activities, an International Seminar is organised every year, to provide Master and PhD students with an opportunity to present and discuss their research work to an audience of international experts.

From this year, in its 15th edition, the traditional ROSE and UME School Seminar changes its name to “Nigel Priestley International Seminar,” in honour of Prof. Nigel Priestley, who was co-founder and Emeritus Director of the ROSE School in 2001.

In addition to standard presentations on research work carried out within the Programmes of the School, the annual Seminar features also the tradition of inviting a prominent scientist to deliver a keynote lecture on a given contemporary and highly relevant topic in the field of Earthquake Engineering and Engineering Seismology. At this year’s event, the keynote address entitled “Simplified Seismic Evaluation of Older Concrete Buildings for Collapse Potential” will be delivered by William T. Holmes, Structural Engineer and Executive Principal of Rutherford & Chekene, USA.

ATTENDING THE EVENT
In addition to UME faculty and students, a maximum of 50 external participants may also be accepted, for which professionals and researchers worldwide are encouraged to take part in the event. A 150€ fee is required from external attendees, to cover the cost of coffee/Lunch breaks and seminar dinner. Special financial conditions are in place for external university researchers or students, to whom a fee of 100€ is usually requested. Those who wish to attend the Seminar are kindly invited to compile and submit a registration form to the UME School Secretariat, at the address given overleaf. If you need assistance of any kind (registration form, accommodation, travelling directions, etc.), please do not hesitate in contacting our staff at secretaria@umeschool.it. You may also refer to the UME website (www.umeschool.it) for further information on all UME School activities.

SEMESTER PROGRAMME
Thursday, 14th May
13.00 - 14.00 Registration
14.00 - 16.00 Session 1 - Chairman: J. Dai
Physically-based cyclic tensile model for reinforced concrete membrane elements
A. Kagermanov, P. Ceresu
Simplified procedure for the seismic assessment of precast RC industrial buildings
M. Dyeva, S. Papamans, R. Nascimbene
Progressive Collapse Fragility of RC Frame Structures
D. Cicola, R. Nascimbene, E. Brusini
Damage assessment in buildings affected by subsidence using SAR data and Interferometric Stacking Techniques
V. Carchiello, F. D’Acuta, P. Pasqualli
Coffee break
16.00 - 16.30 Session 2 - Chairman: R. Ley-Borénès
Displacement-based assessment of reinforced concrete bridges
M. Cademartori, T.J. Sullivan, D. Cardone
A Holistic Seismic Risk Scheme using Classical Fuzzy Methods
J.R. Gonzalez Cardenas, A. Nebot, F. Mugica, H. Crowley
The Context, Capacity and Performance model of Disaster Risk Reduction in Local Government
C. Becanati
19.30 - 23.30 Seminar Dinner
Friday, 15th May
09.00 - 11.00 Session 3 - Chairman: H. Sucuoglu
Probabilistic Models for Seismic Networks for Parametric Securitization and Risk Transfer: the Case Study of Istanbul
S. Puccianò, P. Bazzurro, G. Franco
Development of Seismic Functionality Fragilities for Rooms in a Hospital Building
M.J. Barrera Gutierrez de Piñeres, A. Filatrou, T.J. Sullivan
About the choice of relevant REVs for double scale FEM+DEM analysis
G. Shahin, J. Desures, S. Dal Pont, G. Combe, A. Angilis, C. Abrizam
State-dependent analytical fragility functions of underground tunnels
G. Andreast, C. G Lai
11.00 - 11.30 Coffee break
11.30 - 13.00 Session 4 - Chairman: R. Finch
A procedure for comparing PSHA results with historical macroseismic observations
A. Rosati, M. Rota, A. Penna, G. Magenes
A Proposal for the Interpretation of the in situ Shear Strength Index Test for Brick Masonry
A. Rosati, G. Magenes, F. Grazianti
A Contribution Towards the Non-linear Modelling of Unreinforced Brick Masonry Building
U. Tamossetti, G. Magenes, A. Penna, F. Grazianti
13.00 - 14.30 Lunch break
14.30 - 16.30 Session 5 - Chairman: G. M. Calvi
Keynote lecture – Simplified Seismic Evaluation of Older Concrete Buildings for Collapse Potential
W.T. Holmes
Overview of 2014-2015 PaRC Activities
Graduation Ceremony
1* PhD Student, 2MSc Student