

UNIVERSITY INSTITUTE FOR ADVANCED IES (IUSS)

Institute was created on an agreement between the Italian Association of Universities and the Rector of the University of Pavia, with the purpose of introducing advanced programs at undergraduate and post-graduate levels. The development of a system of **European Schools of Advanced Studies** at the Master's level is one of the goals of the Institute. In this framework, the aim of the European School in Reduction of Seismic Risk (ROSE) is to prepare professionals and researchers in the field of earthquake engineering. The seminar described herein is being organized as a part of the activities of the School for the year 2003.

ACTIVITIES OF THE SEMINAR

The European School of Advanced Studies in Reduction of Seismic Risk has been established in the year 2000 to offer a unique educational environment in earthquake engineering to post-graduate students from all over the world. The teaching is based on short courses, offered in series by a very qualified international faculty. As a part of the School activities, an international seminar is organized every year, to present and discuss the best dissertations of the students in an advanced stage of development. The Second International ROSE Seminar follows the first one, organized a year earlier, and is continuing the tradition of a forum for discussing some of the most controversial current issues in earthquake engineering. In the First Seminar no student appeared among the presenters, for obvious reasons, five students of the Rose School presented their work during the Second Seminar.

In addition to standard presentations, this Second Seminar is continuing the tradition of hosting an invited lecture by a prominent scientist, who may then join the School Faculty.

Members of the Scientific Board of the Seminar are supposed to present and will assure a lively and entertaining workshop. In addition, all professionals and researchers involved in the international earthquake engineering community are encouraged to participate, to increase the impact of these studies on the development of the state-of-the-art of earthquake engineering (78 researchers participated in the First Seminar). The reason why the allocated time is allotted for presentation and discussion of papers is thus clear.

In the previous Seminar, it is foreseen that all contributions to the Seminar will be published, after a standard review process, in a special issue of the *Journal of Earthquake Engineering*, which will be distributed to all participants and to the subscribers to the journal together with the second issue released in 2003. Copies of the special issue of JEE with the proceedings of the First Seminar are available from the ROSE School on request.

FRIDAY, JUNE 7

Aula Magna, Collegio Alessandro Volta

10.00 – 12.30	Meeting of the ROSE School Board Members
12.30 – 14.00	Welcome party and registration
14.00 – 16.00	<p>Session 1 Chairman: M. N. Fardis S. Glaister¹ and R. Pinho</p> <p><i>A simplified deformation-based method for seismic vulnerability assessment</i> T. Sullivan¹, M. J. Kowalsky and G. M. Calvi</p> <p><i>Limitations and performances of different displacement – based design approaches</i></p>
16.00 – 16.30	Coffee break
16.30 – 18.30	<p>Session 2 Chairman: A. S. Elnashai</p> <p>A. Filiatrault, R. Tremblay and A. Wanitkorkul <i>Retrofit of a steel moment-resisting frame by passive damping systems in near-field seismic environment</i></p> <p>M.C. Griffith, G. Magenes, G. Melis¹, L. Picchi <i>Evaluation of out-of-plane stability of unreinforced masonry walls subjected to seismic excitation</i></p>
20.30	ROSE Seminar Dinner

SATURDAY, JUNE 8

Aula Volta, Palazzo Centrale dell'Università

9.00 – 10.30	<p>Invited lecture A. Der Kiureghian University of California, Berkeley <i>From real-world observations to reliability assessment: a bayesian approach</i></p>
10.30 – 11.00	Coffee Break
11.00 – 12.30	<p>Graduation Ceremony Chairman: R. Schmid Rettore dell'Università Presidente dello IUSS G. M. Calvi and M. J. N. Priestley</p> <p><i>ROSE School: first eighteen months of life and future programs</i></p> <p>Students: A. Amaris, S. Glaister, D. Grant, F. Lopez, G. Melis, L. F. Restrepo, M. Schotanus, T. Sullivan</p>
12.30 – 14.00	Graduation party
14.00 – 16.00	<p>Session 3 Chairman: K. Kawashima M. Schotanus¹ and P. E. Pinto</p> <p><i>Fragility analysis of reinforced concrete structures using a response surface approach</i> H. Avery and J. Berrill</p> <p><i>The Canterbury University strong motion accelerograph</i></p>
16.00 – 16.30	Coffee Break
16.30 – 18.30	<p>Session 4 Chairman: P. Gasparini L. F. Restrepo – Velez¹, J. J. Bommer and F. Sabetta</p> <p><i>An exploration of the nature of the scatter in ground-motion prediction equations and the implications for seismic hazard assessment</i> D. Assimaki, A. Pecker</p> <p><i>Effects of spatial variability of soil properties on surface ground motions</i></p>

¹ Students at the ROSE School

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Salvi and M. J. N. Priestley, Directors of the ROSE School

Scientific Board

James A. S. Elnashai
University of Illinois at Urbana-Champaign, USA
Enrico F. Breszzi, F. Carli, G. Macchi, G. Magenes, A.
and R. Pinho
Istituto degli Studi di Pavia, Italy

Francesco Di Milano, Italy

John G. Doherty
University of Canterbury, Christchurch, New Zealand

John M. Farmer
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Instituto Nacional de Engenharia Civil, Lisbon, Portugal

John G. Ganss
University of Toronto, Canada

Francesco M. Genta and P. Gasparini,
Istituto di Napoli "Federico II", Italy

Francesco Spadino
Istituto Sismico Nazionale, Italy

John G. Ganss
University of Southern California, Los Angeles, USA

John G. Ganss
University of Patras, Greece

John G. Ganss and A. Der Kiureghian
University of California at Berkeley, USA

John G. Ganss
University of California at San Diego, USA

Francesco Spadino
Istituto di Genova, Italy

John G. Ganss
Institute of Technology, Japan

John G. Ganss
University of North Carolina at Chapel Hill, USA

John G. Ganss
University of Kyoto, Japan

John G. Ganss
Institut de Mécanique et Structure, Paris, France

Francesco Spadino
Istituto di Roma "La Sapienza", Italy

Application for further participants

Due to the scientific board members and to the ROSE students, a maximum of 50 participants may be accepted. A fee is required from participants, to cover the cost of travel and lunch breaks, the seminar dinner and the proceedings of the first and second seminars.

Those who wish to attend the Seminar to contact the ROSE Secretariat.



Università degli Studi
di Pavia

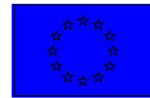


Istituto Universitario
di Studi Superiori di Pavia

The Second International ROSE School Seminar

ROSE School

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The ROSE School is a Marie Curie Training Site of the European Commission. Ph. D. students in any European University willing to spend a period between 3 and 12 month studying and doing research at the School are encouraged to apply. Fellowships are available. Web-site: <http://improving.cordis.lu/mc/>

Pavia, 7 – 8 June 2002

European School for Advanced Studies
in Reduction of Seismic Risk