



«ETTORE MAJORANA» FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE

TO PAY A PERMANENT TRIBUTE TO GALILEO GALILEI, FOUNDER OF MODERN SCIENCE
AND TO ENRICO FERMI, THE "ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



INTERNATIONAL SCHOOL OF GEOPHYSICS

23rd Workshop: SEISMIC RISK IN URBAN AREAS

GNDT-SAFERR-MAE WORKSHOP

ERICE-SICILY: 25 - 29 MAY 2003

Sponsored by the Italian Ministry of Education, University and Scientific Research and by the Sicilian Regional Government

TOPICS AND LECTURERS

Vulnerability of Urban Areas- Structures
Vulnerability of Urban Areas: Regional Risk and Networks
Inventory Technologies and GIS application
Seismic Loss Assessment, Decision-Making and Socio-Economics
Seismic Hazard and Site Response Analysis
Developments in US Seismic Codes
Developments in European Seismic Codes
Site Response Studies in the USA
Site Response Studies in Europe
Inventory Technology in the MAE Center
Network Vulnerability Studies in Europe
Social-Economic Impact Studies in MAE
Network Vulnerability Studies in the USA

- A. ELNASHAI, MAE Center, University of Illinois, Urbana, IL, USA
- G. RIX, Georgia Institute of Technology, USA
- A. JOHNSTON, University of Memphis, USA
- B. GOODNO, Georgia Institute of Technology, USA
- S. FRENCH, Georgia Institute of Technology, USA
- M. CALVI, University of Pavia, Italy
- M. FARDIS, University of Patras, Greece
- A. PECKER, GDS, France
- A. PLUMIER, University of Liege, Belgium
- E. COSENZA, University of Naples, Italy
- S. LAGOMARSINO, University of Genoa, Italy
- M. DOLCE, University of Potenza, Italy
- R. LEON, Georgia Institute of Technology, USA
- M. FARDIS, University of Patras, Greece
- G. RIX, Georgia Institute of Technology, USA
- K. PITILAKIS, Aristotele University of Thessaloniki, Greece
- S. FRENCH, Georgia Institute of Technology, USA
- P. PINTO, University of Rome La Sapienza, Italy
- C. PRATER, Texas A and M University, USA
- A. KIREMIDJIAN, Stanford University, USA

PURPOSE OF THE WORKSHOP

Researchers from the three organisations Gruppo Nazionale per la Difesa dai Terremoti (National Group for the Defence against Earthquakes – GNDT, Italy), the USA Mid-America Earthquake Center (MAE) and the European network Safety Assessment for Earthquake Risk Reduction (SAFERR) have agreed to undertake joint research and development in the field of regional seismic risk reduction. One of the main resolutions of their previous meetings and discussions is to organise joint conferences on a biennial basis, focusing on Regional Seismic Risk and Losses. The objectives of the conferences are evolutionary; the first priority is to bring together researchers with common interests and to develop common research agendas, leading to not only exchange research ideas and findings, but also lead to joint projects and exchange of researchers. The current workshop, entitled 'Seismic Risk in Urban Areas' is the first of a series, covering a regional view of engineering seismology, geotechnical earthquake engineering, vulnerability of networks and structures, advanced inventory technology and GIS applications, social and economic impact assessment and earthquake education and awareness. A number of keynote lectures are planned bringing together the views of researchers from both sides of the Atlantic. A total of 36 technical papers and 5 rapporteur summaries, in addition to the keynote lectures are included in the Program. Keynote lectures, rapporteur summaries and selected papers will be published as a special issue of the Journal of Earthquake Engineering, with financial support from the Mid-America Earthquake Center, USA, and with Dan Abrams (Director) as a Guest Editor.

APPLICATIONS

Persons wishing to attend the Course should apply in writing to:

- I Professor Claudio EVA
Ordinario di Fisica Terrestre
Dipartimento per lo Studio del Territorio e
delle sue Risorse Università degli Studi di Genova
Viale Benedetto XV, 5 - 16132 Genova
Tel.: 010-3538081 – Fax: 010-3538081
E-mail: eva@dipteris.unige.it

specifying:

- i) full name(s), address, age, nationality;
- ii) academic qualifications, present position and affiliation and/or a short CV;
- iii) their specific interest in the Workshop.

D. ABRAMS - C. EVA
DIRECTORS OF THE WORKSHOP

E. BOSCHI
DIRECTOR OF THE SCHOOL

A. ZICHICHI
EMFSC PRESIDENT AND DIRECTOR OF THE CENTRE

POETIC TOUCH

According to legend, Erice, son of Venus and Neptune, founded a small town on top of a mountain (750 metres above sea level) more than three thousand years ago. The founder of modern history — i.e. the recording of events in a methodic and chronological sequence as they really happened without reference to mythical causes — the great Thucydides (~500 B.C.), writing about events connected with the conquest of Troy (1183 B.C.) said: «After the fall of Troy some Trojans on their escape from the Achaei arrived in Sicily by boat and as they settled near the border with the Sicilians all together they were named Elymi: their towns were Segesta and Erice.» This inspired Virgil to describe the arrival of the Trojan royal family in Erice and the burial of Anchise, by his son Enea, on the coast below Erice. Homer (~1000 B.C.), Theocritus (~300 B.C.), Polybius (~200 B.C.), Virgil (~50 B.C.), Horace (~20 B.C.), and others have celebrated this magnificent spot in Sicily in their poems. During seven centuries (XIII-XIX) the town of Erice was under the leadership of a local oligarchy, whose wisdom assured a long period of cultural development and economic prosperity which in turn gave rise to the many churches, monasteries and private palaces which you see today.

In Erice you can admire the Castle of Venus, the Cyclopean Walls (~800 B.C.) and the Gothic Cathedral (~1300 A.D.). Erice is at present a mixture of ancient and medieval architecture. Other masterpieces of ancient civilization are to be found in the neighbourhood: at Motya (Phoenician), Segesta (Elymian), and Selinunte (Greek). On the Aegadian Islands — theatre of the decisive naval battle of the first Punic War (264-241 B.C.) — suggestive neolithic and paleolithic vestiges are still visible: the grottoes of Favignana, the carvings and murals of Levanzo.

Splendid beaches are to be found at San Vito Lo Capo, Scopello, and Cornino, and a wild and rocky coast around Monte Cofano: all at less than one hour's drive from Erice.

More information about the other activities of the Ettore Majorana Centre can be found on the WWW at the following address:
<http://www.ccsem.infn.it>

PLEASE NOTE

Participants must arrive in Erice on May 25, not later than 5 pm.