



«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

THE WORLD YEAR OF PHYSICS 2005



INTERNATIONAL SCHOOL OF GEOPHYSICS

25th Course

9th INTERNATIONAL WORKSHOP ON NUMERICAL MODELING
OF MANTLE CONVECTION AND LITHOSPHERIC DYNAMICS

ERICE-SICILY: 8 - 14 SEPTEMBER 2005

Sponsored by the: • National Institute of Geophysics and Volcanology (INGV) • Italian Ministry of Education, University and Scientific Research (MIUR) • National Science Foundation (NSF) • Physics Institute, University of Urbino • University of Southern California (USC) • Institut de Physique du Globe de Paris (IPGP) • International Association of Seismology and Physics of the Earth's Interior (IASPEI) • Sicilian Regional Government

TOPICS AND LECTURERS

Global Geodesy
Global Seismology
Inversion Methods
Mantle Composition

- A. BONACCORSO, Istituto Nazionale di Geofisica e Vulcanologia, Catania, I
- O. CADEK, Charles University, Prague, CZ
- P. CORDIER, Université de Lille 1, Villeneuve d'Ascq, F
- M. HIRSCHMANN, University of Minnesota, Minneapolis, MN, USA
- G. HIRTH, Woods Hole Oceanographic Institution, MA, USA
- A. HOFMANN, Max-Planck-Institut für Chemie, Mainz, D
- J. KORENAGA, Yale University, New Haven, CT, USA

Mantle Convection
Mantle Dynamics
Numerical Modeling
Postglacial Rebound

- K. LAMBECK, Australian National University, Canberra, AUS
- Y. RICARD, Ecole Normale Supérieure, Lyon, F
- J. RITSEMA, Institut de Physique du Globe de Paris, F
- M. SAMBRIDGE, Australian National University, Canberra, AUS
- D. SANDWELL, University of California, San Diego, CA, USA
- J. SCHMALZL, University of Muenster, D

PURPOSE OF THE COURSE

Following the example of our earlier, highly successful workshops (held most recently in Aussois, France 2001, and in Hrubá Skála, Czech Republic 2003), the program will include a mixture of keynote lectures on cutting-edge science problems with ample room for subsequent discussion. Another aspect of the meeting will be tutorials and micro-workshops dedicated to more technical questions that arise in theoretical and laboratory modeling and analysis. By bringing together researchers from across the sub-disciplines to discuss both results and methods in a way not possible by means of traditional scientific communication, this workshop series fills an important gap in the normal conference circuit.

APPLICATIONS

Persons wishing to attend the Course should visit the following URL:

<http://www.ingv.it/erice2005>

where updated information and application forms will be posted. It is also possible to apply by writing a letter to:

Dr. Carlo GIUNCHI
Istituto Nazionale di Geofisica e Vulcanologia
Via di Vigna Murata, 605
00143 ROMA, Italy
Tel +39.06.51860422 Fax +39.06.51860507
e-mail: erice2005@ingv.it

Closing date for application: June 15, 2005

specifying:

- date and place of birth together with present nationality;
- degree and other academic qualifications;
- present position and place of work;
- postal and e-mail addresses.

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 September 8, not later than 7 pm.