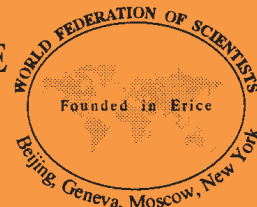




«ETTORE MAJORANA» FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE  
TO PAY A PERMANENT TRIBUTE TO GALILEO GALILEI, FOUNDER OF MODERN SCIENCE  
AND TO ENRICO FERMI, THE "ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



# INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS

## 40th Workshop: VIBRATION AT SURFACES 12

ERICE-SICILY: 20 – 26 JULY 2007

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

### TOPICS AND LECTURERS

#### SCATTERING SPECTROSCOPY

- B. ALLISON, University of Cambridge, UK
- D. FARIAS, Universidad Autónoma de Madrid, ES
- B. MURPHY, Christian-Albrechts-Universität, Kiel, D
- W.T. TYSOE, University of Wisconsin, Milwaukee, WI, USA

#### MOLECULAR PROCESSES AND DEVICES

- S.J. PRATT, Cambridge University, UK
- L. SAVIO, Università di Genova, I
- F.S. TAUTZ, International University, Bremen, D
- G. WITTE, Ruhr-Universität Bochum, D

#### NON-LINEAR SPECTROSCOPY

- M. BONN, Leiden University and FOM, NL
- D.A. REIS, University of Michigan, Ann Arbor, MI, USA
- A. TADJEDDINE, LURE-CNRS, Orsay, F
- N.H. TOLK, Vanderbilt University, Nashville, TN, USA

#### SINGLE-MOLECULE SPECTROSCOPY

- L. BARTELS, University of California, Riverside, CA, USA
- G. DUJARDIN, Université Paris-Sud, F
- N. LORENTE, Université Paul Sabatier, Toulouse, F
- P.A. SLOAN, University of Birmingham, UK

#### ELECTRON-PHONON INTERACTION AND NON-ADIABATIC EFFECTS

- D.M. BIRD, University of Bath, UK
- E.V. CHULKOV, Donostia International Physics Center, ES
- J. KRÖGER, Christian-Albrechts-Universität, Kiel, D
- B. HELLSING, Gothenburg University, SE

#### THEORY OF SURFACE DYNAMICAL PHENOMENA

- M. BERNASCONI, Università di Milano-Bicocca, I
- A. FRANCHINI, Università di Modena e Reggio Emilia, I
- S. HONG, University of Central Florida, Orlando, FL, USA
- N. MANINI, Università di Milano, I

#### PURPOSE OF THE WORKSHOP

The 12nd International Conference on Vibrations at Surfaces will be held as the 40<sup>th</sup> event of the International School of Solid State Physics. The Conference will bring together experienced and young researchers as well as students working in surface vibrational spectroscopy, surface dynamics and in the development of new techniques for the understanding of the vibrational properties of surfaces and interfaces which are relevant to the fields of physics, chemistry, biology and engineering.

#### APPLICATIONS

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

- Dr. Luca VATTUONE  
Department of Physics – University of Genova  
Via Dodecaneso, 33 – 16146 GENOVA, Italy  
Tel +010.3536292 – Fax +010.3622790  
E-mail: [vas12register@fisica.unige.it](mailto:vas12register@fisica.unige.it)

specifying:

- full name, address, age, nationality;
- academic qualification, present position and affiliation;
- their specific interest in the workshop.

Students should include a short C.V. in addition to a letter of recommendation from the head of their research group or from a senior scientist active in the field. More information concerning the Advisory and Organizing Committees, the deadlines and fees can be found on the WWW at the following address:  
<http://www.fisica.unige.it/~vas12>

- **PLEASE NOTE**  
Participants should arrive in Erice on July, 20 no later than 5 pm.

#### 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 Sicanians 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 «Ettore Majorana» Foundation and Centre for Scientific Culture can be found on the WWW at the following address:  
<http://www.ccsem.infn.it>