



# 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 60<sup>th</sup> Course

# Bioelectronics: Principles, Materials and Processes

Erice (Italy), May 1<sup>st</sup> (arrival) – May 9<sup>th</sup> (departure), 2014

## 1<sup>st</sup> Announcement

The course, which will be hosted by the "Ettore Majorana Foundation and Centre for Scientific Culture", will target the important topic of Bioelectronics. It is meant to provide the participants with a comprehensive view of fundamentals, theoretical and experimental background, applications, as well as future perspectives on this interdisciplinary research field. The format is that of a full-immersion course of 7 days (May 2 morning till May 8 evening) where students will take advantage of top level lectures by renowned scientists along with a large amount of time dedicated to interaction and idea-exchange among them and with the teachers. Students will also have the opportunity to present their own scientific results in the form of posters. A maximum number of 60 students will be allowed. The registration fee is 850 € which includes ALL lodging, meals, social events and transportation from/to Palermo or Trapani airports to/from Erice.

### TOPICS

- Biomolecular and device electron transfer and transport (experiment, theory, modeling)
- Surface chemistry and physics
- Electronics and electrochemistry
- Biosensors, hybrid junction devices, optoelectronic devices

### LECTURERS and PROGRAM INFORMATION

[bioelec2014.wordpress.com](http://bioelec2014.wordpress.com)

Some support for students may be available in very special cases, including 1 Teplov fellowship for a student from East-Europe

**Deadline for the registration is March 10<sup>th</sup> 2014**

### DIRECTORS OF THE COURSE

**David N. Beratan**  
Duke University, USA

**David Cahen**  
Weizmann Institute, Israel

**Paolo Facci**  
CNR-IBF, Italy

**Spiros S. Skourtis**  
University of Cyprus, Cyprus

**President of the Foundation and  
Director of the Center: A. Zichichi**  
**Director of the School: Giorgio Benedek**