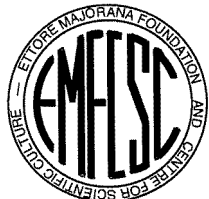


# «ETTORE MAJORANA» FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE

TO PAY A PERMANENT TRIBUTE TO GALILEO GALILEI, FOUNDER OF MODERN SCIENCE

AND TO ENRICO FERMI, THE "ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



## SUMMARY OF THE 2009 COURSES — ERICE



All Courses are sponsored by the World Federation of Scientists (WFS), the Sicilian Regional Government (ERS), the Italian Ministry of Education, University and Scientific Research and the Galileo Galilei Foundation (GGF). Some of the Courses are under the sponsorship of: the Italian Ministry of Foreign Affairs, the Italian Ministry of Health, the North Atlantic Treaty Organization (NATO), the American National Science Foundation (NSF), the Italian National Research Council (CNR), the Weizmann Institute of Science, the European Physical Society (EPS), the Italian National Institute for Nuclear Physics (INFN), the World Wildlife Fund (WWF), the Commission of the European Communities (CEC), some of the main Italian and foreign Universities and Research Centres, and the World Laboratory

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- INTERNATIONAL SCHOOL OF EPIDEMIOLOGY AND PREVENTIVE MEDICINE «GIUSEPPE D'ALESSANDRO»

Directors: G.M. FARA – G. GIAMMANCO

37th Course: *To Manage the Hospital*

Directors: D. D'ALESSANDRO – G.M. FARA

18 – 23 April 2009

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- INTERNATIONAL SCHOOL ON HADRON THERAPY «EDWIN McMILLAN»

1st Workshop: *Hadron Beam Therapy of Cancer*

Directors: A.M. SESSLER – V.G. VACCARO

24 April – 1 May 2009

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- INTERNATIONAL SCHOOL OF GEOPHYSICS

Director: E. BOSCHI

32nd Workshop: *Real-Time Seismology: Rapid Characterization of the Earthquake Source and of its effects*

Directors: A. MICHELINI – G. SELVAGGI

2 – 8 May 2009

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- INTERNATIONAL SCHOOL OF MATHEMATICS «GUIDO STAMPACCHIA»

Director: F. GIANNESI

51st Workshop: *Variational Analysis and Applications*

Directors: L. AMBROSIO – L. CAFFARELLI – A. MAUGERI

9 – 17 May 2009

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- INTERNATIONAL SCHOOL OF RADIATION DAMAGE AND PROTECTION

Directors: H.G. MENZEL – H. SCHÖNBACHER – V. VYLET

11th Course: *Operational Radiation Protection for Accelerators in Research and Medicine*

Directors: L. ULRICI – S.H. ROKNI

12 – 21 May 2009

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- INTERNATIONAL SCHOOL OF CARDIAC SURGERY

Director: U.F. TESLER

3rd Course: *Emergency in Cardiovascular Surgery: An Integrated Approach*

Directors: U.F. TESLER – M. TURINA – A. WECHSLER

18 – 23 May 2009

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- INTERNATIONAL SCHOOL ON MAGNETIC RESONANCE AND BRAIN FUNCTION

Director: B. MARAVIGLIA

7th Workshop: *Brain Function Investigation by Magnetic Resonance, Electrophysiology, and Molecular Imaging*

Directors: F. GIOVE – B. MARAVIGLIA

24 – 31 May 2009

- 
- INTERNATIONAL SEMINARS ON PLANETARY EMERGENCIES  
Chairman: A. ZICHICHI – Co-Chairman: T.D. LEE  
41st Session: *Water, Energy and Sustainable Environment for Peoples of the Middle East*  
Co-Chairman: J. ALDERDICE  
28 May – 1 June 2009
- 
- INTERNATIONAL SCHOOL OF ETHOLOGY  
Director: D. MAINARDI  
25th Course: *The Primate Mind: Built to Connect With Other Minds*  
Directors: F.B.M. DE WAAL – P.F. FERRARI  
3 – 8 June 2009
- 
- INTERNATIONAL SCHOOL OF CRYSTALLOGRAPHY – Director: T.L. BLUNDELL  
41st Course: *High-Pressure Crystallography: From Novel Experimental Approaches to Cutting-Edge Technologies*  
Directors: E. BOLDYREVA – P. DERA  
4 – 14 June 2009
- 
- INTERNATIONAL SCHOOL OF BIOLOGICAL MAGNETIC RESONANCE  
Directors: O. JARDETZKY – J.D. PUGLISI  
9th Course: *Biophysics and Structure to Counter Threats and Challenges*  
Director: A. ARSENIIEV – J.D. PUGLISI  
22 June – 3 July 2009
- 
- INTERNATIONAL SCHOOL OF ATOMIC AND MOLECULAR SPECTROSCOPY  
Director: B. DI BARTOLO  
26th Course: *Bio-Photonics: Spectroscopy, Imaging, Sensing and Manipulation*  
Directors: B. DI BARTOLO – A. VOITOVICH  
2 – 17 July 2009
- 
- INTERNATIONAL SCHOOL OF PHARMACOLOGY  
Directors: L. RAUSA – G.P. VELO  
74th Workshop: *Drug Risk Communication*  
Directors: R. EDWARDS – P. RIZZINI – G.P. VELO  
3 – 8 July 2009
- 
- INTERNATIONAL SCHOOL OF SCIENTIFIC JOURNALISM AND COMMUNICATION  
Director: E. IAROCCI  
1st Course: *Communicating Energy*  
Directors: B. GALLAVOTTI – E. IAROCCI  
5 – 9 July 2009
- 
- INTERNATIONAL SCHOOL OF QUANTUM ELECTRONICS  
Directors: A.N. CHESTER – S. MARTELLUCCI  
46th Course: *Atoms and Plasmas in Super Intense Laser Fields*  
Directors: D. BATANI – C. JOACHAIN  
10 – 17 July 2009
- 
- INTERNATIONAL SCHOOL ON COMPLEXITY – Director: A. ZICHICHI  
Co-Directors: G. BENEDEK – M. GELL-MANN – L. PIETRONERO – C. TSALLIS  
11th Course: *Grains Friction and Faults*  
Directors: C. MARONE – A. PETRI  
19 – 26 July 2009
- 
- INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS  
Director: G. BENEDEK  
46th Workshop: *Materials Physics for Archeometry*  
Director: G. BENEDEK  
23 – 27 July 2009

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- INTERNATIONAL SCHOOL OF MEDICAL SCIENCES  
139th Course: *Recent Advances in Perinatal Medicine -14*  
Director: R. DI IORIO  
29 July – 2 August 2009
- 
- INTERNATIONAL SCHOOL ON MIND, BRAIN AND EDUCATION  
Directors: A.M. BATTRO – K.W. FISCHER  
4th Course: *Educational, Neurosciences and Ethics*  
Directors: A.M. BATTRO – B. DELLA CHIESA – H. KOIZUMI  
1 – 5 August 2009
- 
- ERICE INTERNATIONAL SEMINARS ON PLANETARY EMERGENCIES – Chairman: A. ZICHICHI  
42nd Session – Co-Chairman: T.D. LEE  
19 – 24 August 2009
- 
- INTERNATIONAL SCHOOL OF SUBNUCLEAR PHYSICS – Director: A. ZICHICHI  
47th Course: *The Most Unexpected at LHC and the Status of High Energy Frontier*  
Directors: G. 't HOOFT – A. ZICHICHI  
29 August – 7 September 2009
- 
- INFN ELOISATRON PROJECT  
Director: A. ZICHICHI  
52nd Course: *An upgraded LHC Scenario – IV*  
Director: L. CIFARELLI  
29 August – 7 September 2009
- 
- INTERNATIONAL SCHOOL ON FUSION REACTORS TECHNOLOGY  
Directors: D. PALUMBO – S. MARTELLUCCI  
12th Course: *Superconducting Magnets: Case Studies*  
Directors: A. DELLA CORTE – A. PIZZUTO  
8 – 16 September 2009
- 
- INTERNATIONAL SCHOOL OF NUCLEAR PHYSICS – Directors: A. FAESSLER – J. WAMBACH  
31st Course: *Neutrinos in Cosmology, in Astro-Particle and Nuclear Physics*  
Directors: A. FAESSLER – J. WAMBACH  
16 – 24 September 2009
- 
- INTERNATIONAL SCHOOL OF LIQUID CRYSTALS  
Director: C. ZANNONI  
16th Workshop: *13th Topical Meeting on the Optics of Liquid Crystals*  
Directors: G. ABBATE – G. CIPPARRONE – P. PASINI  
27 September – 3 October 2009
- 
- INTERNATIONAL SCHOOL ON COMPLEXITY – Director: A. ZICHICHI  
Co-Directors: G. BENEDEK – M. GELL-MANN – L. PIETRONERO – C. TSALLIS  
12th Course: *Complex Phenomena in Nonlinear Physics*  
Directors: C. CONTI – A. D'ANDREA  
3 – 7 October 2009
- 
- GIORNATE INTERNAZIONALI DI STUDI SULL'AREA ELIMA «GIUSEPPE NENCI»  
Director: C. AMPOLO  
*Settime Giornate Internazionali di Studi sull'Area Elima e la Sicilia Occidentale nel Contesto Mediterraneo*  
Director: C. AMPOLO  
11 – 15 October 2009
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- INTERNATIONAL WORKSHOP ON TOWARD A 3RD GENERATION GRAVITATIONAL WAVE DETECTOR  
Director: M. PUNTURO  
14 – 16 October 2009

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  - INTERNATIONAL SCHOOL OF IUS COMMUNE  
Directors: M. BELLOMO – O. CONDORELLI – K. PENNINGTON  
29th Course: *Local Legal Systems in Medieval and Modern Europe: Perspectives of Interpretation*  
Director: E. MONTANOS FERRIN  
16 – 22 October 2009

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  - INTERNATIONAL SCHOOL ON COMPLEXITY – Director: A. ZICHICHI  
Co-Directors: G. BENEDEK – M. GELL-MANN – L. PIETRONERO – C. TSALLIS  
13rd Course: *Econophysics Colloquium*  
Directors: G. CALDARELLI – T. DI MATTEO – F. LILLO – L. PIETRONERO – E. SCALAS  
25 October – 1 November 2009

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  - INTERNATIONAL SCHOOL OF CARDIOLOGY – Director: F. FEDELE  
11th Course: *E-Cardiologia Conference del Mediterraneo II Edition*  
Director: F. FEDELE  
1 – 3 November 2009

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  - INTERNATIONAL SCHOOL OF EPIDEMIOLOGY AND PREVENTIVE MEDICINE «GIUSEPPE D’ALESSANDRO»  
Directors: G.M. FARA – G. GIAMMANCO  
38th Course  
6 – 11 November 2009

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  - ADVANCED WORKSHOP OF SPORTS MEDICINE «VINCENZO BAIAMONTE»  
3rd Workshop: *Hearth Lung, Metabolism and Sport*  
Director: F.P. SIELI  
12 – 15 November 2009

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  - INTERNATIONAL SCHOOL OF DERMATOLOGY  
Directors: G. BURG – B. GIANNOTTI  
3rd Course: *Non-Melanoma Skin Cancer: Facts and Trends*  
Directors: N. PIMPINELLI – L. ZICHICHI  
17 – 20 November 2009

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  - INTERNATIONAL SCHOOL OF MEDICAL SCIENCES  
138th Course  
Director: I. CARRECA  
25 – 30 November 2009

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  - INTERNATIONAL SCHOOL ON NEURAL NETS «EDUARDO R. CAIANIELLO»  
Directors: M.I. JORDAN – M. MARINARO  
7th Course: *The Puzzle of Granular Computing*  
Directors: B. APOLLONI – W. PEDRYCZ  
6 – 13 December 2009

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  - INTERNATIONAL SCHOOL OF GEOPHYSICS  
Director: E. BOSCHI  
33rd Course  
Director: F. FLORINDO  
12 – 18 December 2009

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