

# «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

## ETTORE MAJORANA CENTENARY



# SUMMARY OF THE 2006 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 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 MEDICAL SCIENCES  
129th Course: *Physical Activity and Metabolic Syndrome*  
Directors: M. DI MAURO – A. GALLUZZO  
23 – 25 March 2006

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  - INTERNATIONAL SCHOOL OF EPIDEMIOLOGY AND PREVENTIVE MEDICINE «GIUSEPPE D’ALESSANDRO»  
Directors: G.M. FARA – G. GIAMMANCO – M. SZKLO  
33rd Course: *From Model to Process in Communication for Public Health: Goals, Methods, Strategies*  
Directors: A.L. CARDUCCI – A.M. PATTI  
25 – 29 March 2006

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  - INTERNATIONAL SCHOOL OF UROLOGY AND NEPHROLOGY  
Director: M. PAVONE-MACALUSO  
11th Course: *Advances in Urological Oncology. “Focus on Prostate Cancer”*  
Directors: G. MARTORANA – G. SICA  
20 – 23 April 2006

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  - INTERNATIONAL SCHOOL OF MEDICAL SCIENCES  
130th Course: *The Neurodegenerative Process: Biology, Models and Diseases*  
Directors: S.H. APPEL – V. BONAVIDA – F. PICCOLI  
27 – 29 April 2006

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  - INTERNATIONAL SCHOOL OF MEDICAL SCIENCES  
131st Course: *Human Implantation: The New Frontiers of the Human Assisted Reproductive Technologies*  
Chairman: E. CITTADINI  
4 – 7 May 2006

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  - INTERNATIONAL WORKSHOP ON MOLECULAR AND PHYSICAL GASTRONOMY «NICHOLAS KURTI»  
Director: H. THIS-BENCKHARD  
7th Session: *Interactions of Food and Drinks*  
Director: H. THIS-BENCKHARD  
6 – 10 May 2006

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  - MEETING INTERNAZIONALE SULLA CRIMINALITÀ FORENSE  
Chairmen: G. MARCECA – G. RANDO  
11 – 14 May 2006
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- INTERNATIONAL SCHOOL OF MEDICAL SCIENCES  
132nd Course: *Estrogens and Human Diseases*  
Directors: B. AGOSTARA – H.L. BRADLOW – G. CARRUBA – L. MASSIMO  
15 – 21 May 2006
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- INTERNATIONAL SEMINARS ON PLANETARY EMERGENCIES  
Chairman: A. ZICHICHI – Co-Chairman: T.D. LEE  
35th Session on: *Fourth Meeting of the Permanent Monitoring Panel on Terrorism*  
Co-Chairman: A. KAMAL  
18 – 22 May 2006
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- MEETING ON THE INTEGRATED OCEAN DRILLING PROGRAM POST-CRUISE  
Chairmen: J. BACKMAN – K. MORAN  
21 – 25 May 2006
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- INTERNATIONAL SCHOOL ON MAGNETIC RESONANCE AND BRAIN FUNCTION  
Director: B. MARAVIGLIA  
4th Course: *Magnetic Resonance Combined with Electrophysiology and with Molecular and Pharmaceutical Action for the Study of Brain Function*  
Director: B. MARAVIGLIA  
21 – 28 May 2006
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- INTERNATIONAL SCHOOL OF RELATIVISTIC ASTROPHYSICS «JOHN ARCHIBALD WHEELER»  
Directors: I. CIUFOLINI – R. MATZNER  
1st Course: *Developments of 50 Years in Astrophysical Relativity: Frame-Dragging, Gravitational-Waves and Gravitational Tests*  
Directors: I. CIUFOLINI – R. MATZNER  
31 May – 8 June 2006
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- INTERNATIONAL SCHOOL OF STRUCTURAL AND MOLECULAR ARCHAEOLOGY  
Director: H. CURIEN  
2nd Course: *How did Solid-Solid Transformations Occur?*  
Directors: G. TSOUCARIS – P. WALTER  
2 – 6 June 2006
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- INTERNATIONAL SCHOOL OF CRYSTALLOGRAPHY  
Director: T.L. BLUNDELL  
38th Course: *Structure and Function of Large Molecular Assemblies: Crystallographic Targeting of Pathogenic Viruses to Recognize and Neutralize Potential Terrorism Agents*  
Directors: N.N. BORKAKOTI – V.V. MESYANZHINOV – M.G. ROSSMANN  
9 – 18 June 2006
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- INTERNATIONAL SCHOOL OF ATOMIC AND MOLECULAR SPECTROSCOPY  
Director: B. DI BARTOLO  
23rd Workshop: *Advances in the Study of Luminescent Materials*  
Directors: B. DI BARTOLO – A.P. VOITOVICH  
20 – 27 June 2006
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- INTERNATIONAL SCHOOL OF COSMIC RAY ASTROPHYSICS  
Director: M.M. SHAPIRO  
15th Course: *Astrophysics at Ultra-High Energies*  
Directors: M.M. SHAPIRO – T. STANEV – J.P. WEFEL  
20 – 27 June 2006
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- INTERNATIONAL SCHOOL OF QUANTUM ELECTRONICS  
Directors: A.N. CHESTER – S. MARTELLUCCI  
43rd Course: *Matter in Super-Intense Laser Fields*  
Directors: D. BATANI – C. JOACHAIN  
27 June – 5 July 2006
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- INTERNATIONAL SCHOOL OF PHARMACOLOGY  
Directors: P. BENIGNO – L. RAUSA – G.P. VELO  
13th Workshop: *Pharmacovigilance: Future Perspectives*  
Director: G.P. VELO  
28 June – 2 July 2006
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- INTERNATIONAL SCHOOL OF MATHEMATICS «GUIDO STAMPACCHIA»  
Director: F. GIANNESSE  
44th Workshop: *Variational Analysis and Partial Differential Equations*  
Directors: A. MAUGERI – M.K.V. MURTHY – N.S. TRUDINGER  
5 – 14 July 2006
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- INTERNATIONAL SCHOOL OF MATHEMATICS «GUIDO STAMPACCHIA»  
Director: F. GIANNESSE  
45th Course: *Mathematics and Medical Diagnosis*  
Directors: V.F. DEM'YANOV – M. GAUDIOSO  
10 – 20 July 2006
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- INTERNATIONAL SCHOOL OF LIQUID CRYSTALS  
Director: C. ZANNONI  
13th Workshop: *Colloids, Interfaces and Liquid Crystals*  
Directors: I. MUSEVIC – P. PASINI – C. ZANNONI – S. ZUMER  
19 – 25 July 2006
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- INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS  
Director: G. BENEDEK  
37th Course: *Twenty Years from the Discovery of High Tc Superconductivity*  
Director: A. BIANCONI  
20 – 26 July 2006
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- INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS  
Director: G. BENEDEK  
38th Workshop: *Epioptics-9*  
Directors: A. CRICENTI – Th. RASING  
20 – 26 July 2006
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- INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS  
Director: G. BENEDEK  
39th Workshop: *Computational Materials and Bio-systems*  
Directors: M. BERNASCONI - G. BRIVIO - L. MIGLIO  
26 – 31 July 2006
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- INTERNATIONAL SEMINARS ON PLANETARY EMERGENCIES  
Chairman: A. ZICHICHI  
36th Session – Co-Chairman: T.D. LEE  
19 – 24 August 2006
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● INTERNATIONAL SCHOOL OF SUBNUCLEAR PHYSICS

Director: A. ZICHICHI

44th Course: *The Logic of Nature, Complexity and New Physics: From Quark-Gluon Plasma to Superstrings, Quantum Gravity and Beyond*

Director: A. ZICHICHI

29 August – 7 September 2006

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● INFN ELOISATRON PROJECT

Director: A. ZICHICHI

46th Course: *An upgraded LHC Scenario*

Director: L. CIFARELLI

29 August – 7 September 2006

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● INTERNATIONAL SCHOOL OF MARINE BIOLOGY

Director: B. BATTAGLIA

7th Course: *Ecology and Management of Terrestrial Marine Interface Environments*

Directors: M. ARCULEO – A. MAZZOLA

8 – 15 September 2006

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● INTERNATIONAL SCHOOL OF PHARMACOLOGY

Directors: P. BENIGNO – L. RAUSA – G.P. VELO

14th Workshop: *Second European Vascular Genomics Network in Vascular Biology*

Directors: R. LATINI – G.P. VELO

10 – 14 September 2006

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● INTERNATIONAL SCHOOL OF NUCLEAR PHYSICS

Director: A. FAESSLER

28th Course: *Radioactive Beams, Nuclear Dynamics and Astrophysics*

Director: A. FAESSLER

16 – 24 September 2006

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● INTERNATIONAL SCHOOL ON COMPLEXITY – Director: A. ZICHICHI

Co-Directors: G. BENEDEK – M. GELL-MANN – L. PIETRONERO – C. TSALLIS

3rd Course: *Physics and Socio-Economics Phenomena*

Directors: M. GALLEGATI – R.N. MANTEGNA – L. PIETRONERO

17 – 24 September 2006

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● INTERNATIONAL SCHOOL OF APPLIED GEOPHYSICS

Director: R. CASSINIS

13th Workshop: *Geophysics and Microgeophysics Applied to the Safeguard of Cultural and Archeological Patrimony*

Directors: A. CASAS – P.L. COSENTINO

28 September – 4 October 2006

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● FOURTH INTERNATIONAL WORKSHOP ON WALL-BOUNDED TURBULENT FLOWS

Director: K.R. SREENIVASAN

Workshop on *Wall-Bounded Turbulent Flows*

Directors: I. MARUSIC – H.M. NAGIB – A.J. SMITS – K.R. SREENIVASAN

29 September – 3 October 2006

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● INTERNATIONAL SCHOOL ON COMPLEXITY – Director: A. ZICHICHI

Co-Directors: G. BENEDEK – M. GELL-MANN – L. PIETRONERO – C. TSALLIS

4th Course: *Basic Questions About the Origin of Life*

Directors: P.L. LUISI – L. PIETRONERO

2 – 6 October 2006

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- INTERNATIONAL SCHOOL OF IUS COMMUNE  
Directors: M. BELLOMO – O. CONDORELLI – K. PENNINGTON  
26th Course: *At the Medieval and Early Modern Center of the Mediterranean: The “Regnum Siciliae” at the Convergence of Byzantine, Arabic and Latin Civilizations*  
Directors: F. MARTINO – K. PENNINGTON  
5 – 11 October 2006

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  - INTERNATIONAL SCHOOL ON COMPLEXITY – Director: A. ZICHICHI  
Co-Directors: G. BENEDEK – M. GELL-MANN – L. PIETRONERO – C. TSALLIS  
5th Course: *Biological Networks*  
Directors: G. CALDARELLI – P. DE LOS RIOS – L. PIETRONERO – F. RAO  
7 – 11 October 2006

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  - GIORNATE INTERNAZIONALI DI STUDI SULL’AREA ELIMA «GIUSEPPE NENCI»  
Director: C. AMPOLO  
*Seste Giornate Internazionali di Studi sull’Area Elima e la Sicilia Occidentale nel Contesto Mediterraneo: Immagine e Immagini della Sicilia Antica e moderna e delle altre Isole del Mediterraneo*  
Director: C. AMPOLO  
12 – 16 October 2006

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  - INTERNATIONAL SCHOOL OF GEOPHYSICS  
Director: E. BOSCHI  
26th Workshop: *Earthquake and Shaking Probabilities: Helping Society to Make the Right Choice*  
Directors: M. STUCCHI – G. VALENSISE  
18 – 24 October 2006

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  - INTERNATIONAL SCHOOL ON “PHYSICS AND INDUSTRY”  
Director: R. PETRONZIO  
4th Workshop on *Electron Accelerators and Free Electron Lasers: New Microscopes for Science and Innovation*  
Director: R. PETRONZIO  
24 – 27 October 2006

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  - INTERNATIONAL SCHOOL OF MEDICAL SCIENCES  
133rd Workshop: *Cure and Care After Childhood Cancer*  
Directors: R. HAUPT – M. JANKOVIC – L. MASSIMO  
27 – 29 October 2006

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  - INTERNATIONAL SCHOOL OF MEDICAL SCIENCES  
134th Course: *Elderly and Cancer Management: The Present and the Future*  
Director: I. CARRECA  
30 October – 1 November 2006

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  - WORKSHOPS ON THE VOCATIONAL TRAINING OF THE ARCHIVIST  
Director: S. SAMBITO  
1 – 4 November 2006

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  - INTERNATIONAL SCHOOL OF GEOPHYSICS  
Director: E. BOSCHI  
27th Workshop: *Quantifying Long- and Short-Term Volcanic Hazard (Building up a Common Strategy for Italian Volcanoes)*  
Directors: W. MARZOCCHI – A. NERI – C. NEWHALL – P. PAPALE  
5 – 9 November 2006

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- INTERNATIONAL SCHOOL OF MEDICAL SCIENCES  
135th Course: *Neuroepidemiology: Methods and Clinical Applications*  
Directors: W.A. ROCCA – G. SAVETTIERI  
10 – 16 November 2006
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- INTERNATIONAL SCHOOL OF DERMATOLOGY  
Directors: G. BURG – B. GIANNOTTI  
1st Course: *Evolving Strategies in Cutaneous Melanoma*  
Director: N. PIMPINELLI  
17 – 20 November 2006
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- INTERNATIONAL SCHOOL ON BIOELECTROMAGNETISM «ALESSANDRO CHIABRERA»  
Director: F. BERSANI  
3rd Course: *Interaction Mechanisms Between Electromagnetic Fields and Biological Systems*  
Directors: G. D'INZEO – S. ENGSTROM  
20 – 26 November 2006
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- INTERNATIONAL SCHOOL OF MEDICAL SCIENCES  
136th Course: *Advances in Diabetology*  
Director: A. GALLUZZO  
27 – 30 November 2006
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- INTERNATIONAL SCHOOL OF MEDICAL SCIENCES  
137th Course: *Recent Advances in Perinatal Medicine*  
Director: E.V. COSMI  
1 – 5 December 2006
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**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>**