

«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 2013 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

- EUROPEAN STRATEGY GROUP
21 – 26 January 2013
- INTERNATIONAL SCHOOL ON GENOMICS – INTERNATIONAL COURSE ON COMPUTATIONAL PHYLOGENETICS AND PHYLOGENOMICS
Chairmen: J. McINERNEY – D. PISANI
10 – 17 March 2013
- INTERNATIONAL SCHOOL OF EPIDEMIOLOGY AND PREVENTIVE MEDICINE «GIUSEPPE D’ALESSANDRO»
Directors: G.M. FARA – G. GIAMMANCO
43rd Course: *To have or to have not: Inequalities in health and actions to oppose them*
Director: G. COSTA
10 – 14 April 2013
- INTERNATIONAL SCHOOL OF UROLOGY AND NEPHROLOGY
Director: M. PAVONE-MACALUSO
14th Course: *Prostate cancer: From molecular and cellular biology to therapeutic advancement*
Directors: G. CONTI – G. SICA
16 – 21 April 2013
- NATIONAL MEETING ON LAWYERS AND JUDGES WORKING TOWARD A COMMON ETHICAL CODE
Chairmen: G. CORSO – E. RANDAZZO – M. SIRAGUSA
18 – 21 April 2013
- INTERNATIONAL SCHOOL OF MEDICAL SCIENCES
147th Course: *Geriatric oncology, update and future perspectives*
Director: I. CARRECA
20 – 22 April 2013
- INTERNATIONAL SCHOOL OF DETECTOR TECHNOLOGY «TOM YPSILANTIS»
Director: C. WILLIAMS
2nd Course: *Superconductivity for accelerators*
Directors: R. BAILEY – L. ROSSI
24 April – 4 May 2013
- INTERNATIONAL SCHOOL ON FUSION REACTORS TECHNOLOGY
Director: S. MARTELLUCCI
14th Course: *Neutronics of fusion reactors: Design technology and diagnostics*
Directors: M. ANGELONE – A. PIZZUTO
6 – 13 May 2013

- INTERNATIONAL SCHOOL OF CARDIAC SURGERY
 Director: U.F. TESLER
 5th Course: *Innovations in cardiovascular surgery and how to make them safe*
 Directors: J. PEPPER – U.F. TESLER – M.I. TURINA
 12 – 17 May 2013

- INTERNATIONAL SCHOOL OF GEOPHYSICS
 Director: E. BOSCHI
 40th Workshop: *Properties and processes of crustal fault zones*
 Directors: Y. BEN-ZION – A. ROVELLI
 18 – 24 May 2013

- INTERNATIONAL SCHOOL OF SCIENTIFIC JOURNALISM AND COMMUNICATION
 Director: E. IAROCCI
 4th Course: *Cognitive neuroscience: the frontier of knowing ourselves*
 Directors: U. DOSSELLI – F. TURONE
 25 – 29 May 2013

- INTERNATIONAL SCHOOL OF CRYSTALLOGRAPHY
 Director: T.L. BLUNDELL
 46th Course: *The future of dynamic structural science*
 Directors: A.V. CHURAKOV – J.A.K. HOWARD – P. RAITHBY – H.A. SPARKES
 30 May – 8 June 2013

- INTERNATIONAL SCHOOL OF BIOLOGICAL MAGNETIC RESONANCE
 Directors: O. JARDETZKY – J.D. PUGLISI
 12th Course: *Future of biophysics*
 Director: J.D. PUGLISI
 9 – 19 June 2013

- INTERNATIONAL SCHOOL OF MATHEMATICS «G. STAMPACCHIA»
 Director: F. GIANNESI
 59th Workshop: *Nonlinear optimization: A bridge from theory to applications*
 Director: G. DI PILLO
 10 – 17 June 2013

- INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
 Director: G. BENEDEK
 58th Workshop: *Carbon topology*
 Directors: G. BENEDEK – M. DIUDEA – O. ORI – M.V. PUTZ
 17 – 22 June 2013

- INTERNATIONAL SCHOOL OF SUBNUCLEAR PHYSICS
 Director: A. ZICHICHI
 51st Course: *Reflections on the next step for LHC*
 Directors: G. 't HOOFT – A. ZICHICHI
 24 June – 3 July 2013

- INTERNATIONAL SCHOOL OF ATOMIC AND MOLECULAR SPECTROSCOPY
 Director: B. DI BARTOLO
 30th Course: *Nano-structures for optics and photonics*
 Director: B. DI BARTOLO
 4 – 19 July 2013

- INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
 Director: G. BENEDEK
 59th Course: *Majorana physics in condensed matter*
 Directors: X. CHEN – R. FAZIO – J. MOORE – V. PELLEGRINI – M. POLINI
 12 – 18 July 2013

- INTERNATIONAL SCHOOL OF QUANTUM ELECTRONICS
Directors: A.N. CHESTER – S. MARTELLUCCI
54th Course: *Atoms and plasmas in super-intense laser fields*
Directors: D. BATANI – C. JOACHAIN
21 – 31 July 2013

- INTERNATIONAL SCHOOL ON MIND, BRAIN AND EDUCATION
Directors: A.M. BATTRO – K.W. FISCHER
8th Course: *Science education in the digital era*
Directors: A.M. BATTRO – K.W. FISCHER – D. GOLOMBEK
30 July – 4 August 2013

- ERICE INTERNATIONAL SEMINARS ON PLANETARY EMERGENCIES – Chairman: A. ZICHICHI
46th Session – Co-Chairman: T.D. LEE
19 – 24 August 2013

- INTERNATIONAL SCHOOL OF GEOPHYSICS
Director: E. BOSCHI
41st Course: *A roadmap for earth science in Europe*
Directors: S. CLOETINGH – M. COCCO – J. LUDDEN – T. VAN ECK
26 August – 5 September 2013

- INTERNATIONAL SCHOOL OF MATHEMATICS «G. STAMPACCHIA»
Director: F. GIANNESI
60th Workshop: *Stochastic methods in game theory*
Directors: D. BAUSO – M. SCARSINI – E. SHMAYA – T. TOMALA
6 – 15 September 2013

- INTERNATIONAL SCHOOL OF NUCLEAR PHYSICS
Directors: A. FAESSLER – J. WAMBACH
35th Course: *Neutrino physics. Present and future*
Directors: A. FAESSLER – J. WAMBACH
16 – 24 September 2013

- INTERNATIONAL SCHOOL OF MATHEMATICS «G. STAMPACCHIA»
Director: F. GIANNESI
61st Workshop: *Multivariate approximation and interpolation with applications*
Directors: M. BOZZINI – L. PUCCIO – C. DE BOOR
25 – 30 September 2013

- INTERNATIONAL SCHOOL OF MEDICAL SCIENCES
148th Course: *Cancer prevention*
Directors: B. AGOSTARA – G. CARRUBA – L. MASSIMO
30 September – 5 October 2013

- INTERNATIONAL SCHOOL OF IUS COMMUNE
Directors: M. BELLOMO – O. CONDORELLI – K. PENNINGTON
33rd Course: *Social crisis and science of law in medieval and modern world*
Director: A. PADOVANI
5 – 11 October 2013

- INTERNATIONAL SCHOOL OF STATISTICAL PHYSICS
Directors: P. HÄNGGI – F. MARCHESONI
2nd Course: *Noise assisted quantum computing*
Directors: S. MANCINI – A. WINTER
6 – 12 October 2013

- INTERNATIONAL SCHOOL OF PHARMACOLOGY
Directors: L. RAUSA – G.P. VELO
79th Workshop: *Interventions to slow aging in humans: Are we ready?*
Directors: L. FONTANA – D. INGRAM – V. LONGO – G. RECCHIA – G.P. VELO
8 – 13 October 2013

- INTERNATIONAL SCHOOL OF ETHOLOGY
Directors: D. MAINARDI – S. PARMIGIANI
30th Workshop: *Cetacean echolocation and outer space neutrinos: Ethology and physics for an interdisciplinary approach to underwater bioacoustics and astrophysical particles detection*
Directors: W.A. BARLETTA – G. PAVAN – G. RICCOBENE – P. TYACK
17 – 22 October 2013

- ADVANCED WORKSHOP OF SPORTS MEDICINE «VINCENZO BAIAMONTE»
7th Workshop: *Sport for all*
Director: F.P. SIELI
23 – 26 October 2013

- INTERNATIONAL SCHOOL OF ETHOLOGY
Directors: D. MAINARDI – S. PARMIGIANI
31st Workshop: *Ungulate management in the world with an European perspective*
Directors: R. ANDERSEN – M. APOLLONIO – R. PUTMAN
27 October – 1 November 2013

- INTERNATIONAL SCHOOL OF GEOPHYSICS
Director: E. BOSCHI
42nd Workshop: *Volcano observatory best practice: Communicating hazards*
Directors: J. EICHELBERGER – S. LOUGHLIN – C. MANDEVILLE – P. PAPALE
2 – 6 November 2013

- CONSULTA PERMANENTE DELLA SOCIETÀ ITALIANA DI CARDIOLOGIA
4th Course: *Progress in cardiovascular research*
Chairman: S. NOVO
6 – 8 November 2013

- INTERNATIONAL SCHOOL OF DERMATOLOGY
Directors: G. BURG – B. GIANNOTTI
7th Course: *The “joint” venture between external and internal medicine: Cross talk among dermatology, rheumatology and gastroenterology*
Directors: N. PIMPINELLI – L. ZICHICHI
7 – 10 November 2013

- INFN ELOISATRON PROJECT
Director: A. ZICHICHI
56th Course: *A new era for science with coherent X-ray FELs*
Directors: W.A. BARLETTA – F. PARMIGIANI
11 – 18 November 2013

- INTERNATIONAL SCHOOL OF EPIDEMIOLOGY AND PREVENTIVE MEDICINE «GIUSEPPE D’ALESSANDRO»
Directors: G.M. FARA – G. GIAMMANCO
44th Course: *Cancer prevention. Scientific background and operative applications*
Directors: S. CINQUETTI – S. DE FLORA
26 November – 1 December 2013

**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>**