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.

- **INTERNATIONAL SCHOOL OF EPIDEMIOLOGY AND PREVENTIVE MEDICINE «GIUSEPPE D’ALESSANDRO»**
  
  Directors: G.M. FARA – G. GIAMMANCO
  
  45th Course: *Infections by legionella: Surveillance, prevention and control*
  
  Directors: P. BORELLA – G. GIAMMANCO
  
  2 – 6 April 2014

- **INTERNATIONAL SCHOOL OF PARTICLE ACCELERATORS**
  
  Director: E. WILSON
  
  2nd Workshop: *Electromagnetic wake fields in particle accelerators*
  
  Directors: E. METRAL – V.G. VACCARO
  
  23 – 29 April 2014

- **INTERNATIONAL SCHOOL ON BIOELECTROMAGNETISM «ALESSANDRO CHIABRERA»**
  
  Director: F. BERSANI
  
  7th Course: *Biological effects of combined exposures to EMF and other chemical and physical agents*
  
  Directors: M.-O. MATTSSON – M.R. SCARFÌ
  
  23 – 29 April 2014

- **INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS**
  
  Director: G. BENEDÈK
  
  60th Course: *Introduction to the theory and techniques of scattering and applications to Cultural Heritage*
  
  Directors: I.S. ANDERSON – G. SALVATO – A. SCHERILLO
  
  30 April – 9 May 2014

- **INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS**
  
  Director: G. BENEDÈK
  
  61st Workshop: *Bioelectronics: Principles, materials and processes*
  
  Directors: D.N. BERATAN – D. CAHEN – P. FACCI – S.S. SKOURTIS
  
  1 – 9 May 2014

- **ERICE INTERNATIONAL SEMINARS ON PLANETARY EMERGENCIES** – Chairman: A. ZICHICH
  
  47th Session: *Energy, Cities and the control of complex systems*
  
  WFS Energy PMP – Co-chairs: A.E. MOTTER – R. SCHOCK
  
  10 – 16 May 2014

- **INTERNATIONAL SCHOOL OF BIOPHYSICS «ANTONIO BORSELLINO»**
  
  42nd Course: *Biophysics of channels and transporters*
  
  Directors: F. ASHCROFT – M. KAVANAUGH – M. PUSCH
  
  11 – 17 May 2014

- **INTERNATIONAL SCHOOL ON MAGNETIC RESONANCE AND BRAIN FUNCTION**
  
  Director: B. MARAVIGLIA
  
  11th Course: *Brain function investigation by magnetic resonance and electrophysiology*
  
  Directors: F. GIOVE – B. MARAVIGLIA
  
  18 – 25 May 2014
INTERNATIONAL SCHOOL OF CRYSTALLOGRAPHY
Director: T.L. BLUNDELL
47th Course: *Structural basis of pharmacology: Deeper understanding of drug discovery through crystallography*
30 May – 8 June 2014

INTERNATIONAL SCHOOL OF SCIENTIFIC JOURNALISM AND COMMUNICATION
Director: E. IAROCCI
5th Course: *The digital world: Computing, networks and us*
Directors: U. DOSSELLI – F. TURONE
9 – 14 June 2014

INTERNATIONAL SCHOOL OF ETHOLOGY AND INTERNATIONAL SCHOOL OF NEUROSCIENCES «SIR JOHN ECCLES»
Directors: D. MAINARDI – S. PARMIGIANI and P. FERRARI – G. RIZZOLATTI
32nd and 1st Workshop: *Neuroeconomics: Recent advances and future directions*
Directors: D. MAESTRIPIERI – C. PAADO-SCHIOPPA – A. RUSTICHI
15 – 20 June 2014

INTERNATIONAL SCHOOL OF SUBNUCLEAR PHYSICS
Director: A. ZICHICHI
52nd Course: *Status of theoretical understanding and of experimental power for LHC physics and beyond*
Directors: G. ’t HOOFT – A. ZICHICHI
24 June – 3 July 2014

INTERNATIONAL SCHOOL OF STATISTICAL PHYSICS
Directors: P. HÄNGGI – F. MARCHESONI
3rd Course: *Single-file dynamics in physics and biology*
Directors: O. FLOMENBOM – F. MARCHESONI – A. TALONI
4 – 10 July 2014

INTERNATIONAL SCHOOL OF COSMIC RAY ASTROPHYSICS «MAURICE M. SHAPIRO»
19th Course: *Exploring the high energy universe*
Directors: J.R. HÖRANDEL – T.S. STANEV – J.P. WEFEL
4 – 11 July 2014

INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
Director: G. BENEDEK
62nd Course: *Materials for renewable energy*
11 – 19 July 2014

INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
Director: G. BENEDEK
63rd Course: *Multi-condensates superconductivity*
Directors: A. BIANCONI – C. SA DE MELO
19 – 25 July 2014

INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
Director: G. BENEDEK
64th Workshop: *Superstripes*
Directors: G. BENEDEK – A. BIANCONI
25 – 31 July 2014

INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
Director: G. BENEDEK
65th Course: *Epioptics 12: Silicene*
Directors: A. CRICENTI – D. NARDUCCI
26 July – 1 August 2014

INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
Director: G. BENEDEK
66th Workshop: *Indirect excitons*
Directors: L. BUTOV – V. PELLEGRINI – A. PINCZUK – M. RONTANI
26 July – 1 August 2014
INTERNATIONAL SCHOOL OF ATOMIC AND MOLECULAR SPECTROSCOPY
Director: B. DI BARTOLO
31st Workshop: Complex phenomena in inorganic materials
Directors: B. DI BARTOLO – M. BETTINELLI
30 July – 5 August 2014

INTERNATIONAL SCHOOL ON MIND, BRAIN AND EDUCATION
Directors: A.M. BATTRO – K.W. FISCHER
9th Course: Body, brain and the person
Directors: A.M. BATTRO – K.W. FISCHER – F. VIDAL
30 July – 5 August 2014

INTERNATIONAL SCHOOL OF BIOLOGICAL MAGNETIC RESONANCE
Directors: O. JARDETZKY – J.D. PUGLISI
13th Course: The challenges of biophysics and structural biology
Director: J.D. PUGLISI
31 July – 9 August 2014

ERICE INTERNATIONAL SEMINARS ON PLANETARY EMERGENCIES – Chairman: A. ZICHICHI
48th Session – Co-Chairman: T.D. LEE
18 – 25 August 2014

INTERNATIONAL SCHOOL OF ATOMIC AND MOLECULAR SPECTROSCOPY
Director: B. DI BARTOLO
32nd Workshop: Photoionization and resonant X-ray scattering
Directors: L. AVALDI – B. DI BARTOLO
26 August – 1 September 2014

INTERNATIONAL SCHOOL OF LIQUID CRYSTALS
Director: C. ZANNONI
20th Course: Liquid crystals for photonics
Directors: A. D’ALESSANDRO – P. PASINI
2 – 7 September 2014

INTERNATIONAL SCHOOL OF PHARMACOLOGY
Director: G.P. VELO
80th Course: Eicosanoids
2 – 7 September 2014

INTERNATIONAL SCHOOL OF MATHEMATICS «G. STAMPACCHIA»
Director: F. GIANNESSI
62nd Course: Graph theory, algorithms and applications
8 – 16 September 2014

INTERNATIONAL SCHOOL OF NUCLEAR PHYSICS
Directors: A. FAESSLER – J. WAMBACH
36th Course: Nuclei in the laboratory and in the cosmos
Directors: A. FAESSLER – J. WAMBACH
16 – 24 September 2014

INTERNATIONAL SCHOOL OF STATISTICAL PHYSICS
Directors: P. HÀNGGI – F. MARCHESEONI
4th Course: Energy finance
Directors: C. LUCHERONI – R. KIESEL
24 – 29 September 2014

INTERNATIONAL SCHOOL OF IUS COMMUNE
Directors: M. BELLOMO – O. CONDORELLI – K. PENNINGTON
34th Course: Spanish and Italian Jurists and their work in the new world
Director: E. MONTANOS FERRÍN
30 September – 4 October 2014
INTERNATIONAL SCHOOL OF HEAVY IONS
Director: E. NAPPI
6th Course: Protons in therapy and space
Directors: R. BATTISTON – M. DURANTE
1 – 5 October 2014

INTERNATIONAL SCHOOL OF QUANTUM ELECTRONICS
Directors: A.N. CHESTER – S. MARTELLUCCI
55th Course: Photoacoustic and photothermal phenomena. Focus on biomedical and nanoscale imaging
Directors: R. LI VOTI – A. MANDELIS
5 – 12 October 2014

INTERNATIONAL SCHOOL OF ETHOLOGY
Directors: D. MAINARDI – S. PARMIGIANI
33rd Course: What made us humans: Biological and cultural evolution of Homo sapiens
Directors: S. PARMIGIANI – T. PIEVANI – I. TATTERSALL
14 – 20 October 2014

INFN ELOISATRON PROJECT
Director: A. ZICHICHI
57th Workshop: High power cyclotrons for neutrino physics
Director: W.A. BARLETTA
20 – 26 October 2014

INTERNATIONAL SCHOOL OF DETECTOR TECHNOLOGY «TOM YPSILANTIS»
Director: C. WILLIAMS
3rd Workshop: Technology and innovation (EPS-TIG)
Chairman: H. WENNINGER
21 – 26 October 2014

ADVANCED WORKSHOP OF SPORTS MEDICINE «VINCENZO BAIAMONTE»
8th Workshop: Sport is life
Director: F.P. SIELI
23 – 26 October 2014

INTERNATIONAL SCHOOL OF MEDICAL SCIENCES
148th Workshop: Advances in Oncogeriatry
Director: I. CARRECA
30 October – 2 November 2014

INTERNATIONAL SCHOOL OF QUANTUM ELECTRONICS
Directors: A.N. CHESTER – S. MARTELLUCCI
56th Course: RW propagation and technologies for Q/V band satellite systems
Directors: A. MARTELLUCCI – C. RIVA
9 – 15 November 2014

INTERNATIONAL SCHOOL OF DERMATOLOGY
Directors: G. BURG – B. GIANNOTTI
8th Course: Topical treatment (therapy) in dermatology: The state of the art
Directors: N. PIMPINELLI – L. ZICHICHI
13 – 16 November 2014

INTERNATIONAL SCHOOL OF MEDICAL SCIENCES
149th Course: Advances in orthopaedics
Director: C. SUGAMELI
17 – 23 November 2014

THE SCIENCE EUROPE MEDICAL SCIENCES COMMITTEE
Workshop on: How to transform big data into better health?
Chairman: R. FRACKOWIAK
23 – 26 November 2014

INTERNATIONAL SCHOOL OF EPIDEMIOLOGY AND PREVENTIVE MEDICINE «GIUSEPPE D’ALESSANDRO»
Directors: G.M. FARA – G. GIAMMANCO
46th Course: The vaccination policy in Italy: The unavoidable priorities
Directors: F. BLANGIARDI – C. SIGNORELLI
24 – 27 November 2014
INTERNATIONAL SCHOOL OF UROLOGY AND NEPHROLOGY
Directors: M. PAVONE-MACALUSO – V. PANSADORO – C. STERNBERG
15th Course: Kidney cancer. Innovations in surgery and oncology
Directors: L. BOCCON-GIBOD – V. PANSADORO – C. STERNBERG
28 November – 1 December 2014

INTERDISCIPLINARY SEMINARS «EUGENE P. WIGNER»
9th Seminar: Psychophysics and group psychodynamics
Directors: F. CARMINATI – G. GALLI CARMINATI
29 November – 7 December 2014

INTERNATIONAL SCHOOL OF MEDICAL SCIENCES
150th Course: Neuroepidemiology: Methods and clinical applications
Directors: M. D’AMELIO – W.A. ROCCA – G. SAVETTIERI
1 – 7 December 2014

INTERNATIONAL SCHOOL OF MEDICAL SCIENCES
151st Course: Advances in diabetes
Directors: G. ALLOTTA – A. CERIELLO – O. SCHNELL
6 – 11 December 2014

EXTREME ENERGY EVENTS – EEE PROJECT
Chairman: A. ZICHICHI
12 – 15 December 2014

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