SUMMARY OF THE 2016 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.

- **CONFERENCE FINANCIAL STATEMENTS: THE TRANSPOSITION OF DIRECTIVE 2013/14 THROUGH THE D. LGS N. 139/2015**
  Chairman: G. VIVIANO
  30 March 2016

- **INTERNATIONAL SCHOOL OF NEUTRON SCIENCE AND INSTRUMENTATION**
  2nd Course: *Designing and building a neutron instrument*
  Directors: K. ANDERSEN – K. HERWIG
  31 March – 9 April 2016

- **INTERNATIONAL SCHOOL OF EPIDEMIOLOGY AND PREVENTIVE MEDICINE «GIUSEPPE D’ALESSANDRO»**
  Directors: G.M. FARA – G. GIAMMANCO
  48th Course: *Two-ways communication in the field of vaccination*
  Directors: L.R. BIASIO – G. CORSELLO – C. SIGNORELLI
  5 – 9 April 2016

- **INTERNATIONAL SCHOOL ON BIOELECTROMAGNETISM «ALESSANDRO CHIABRERA»**
  Director: F. BERSANI
  8th Course: *Electromagnetic fields and nervous system: Biological effects, biophysical mechanisms, methods and medical applications*
  Directors: V. DI LAZZARO – B. VEYRET
  10 – 17 April 2016

- **INTERNATIONAL SCHOOL OF MEDICAL SCIENCES**
  151st Course: *Diabetes and its complications*
  Directors: G. ALLOTTA – A. CERIELLO
  11 – 14 April 2016

- **INTERNATIONAL SCHOOL OF BIOPHYSICS «ANTONIO BORSELLINO»**
  43rd Course: *Nanoscale biophysics: Focus on methods and techniques*
  Directors: P. BIANCHINI – A. DIASPRO
  17 – 24 April 2016

- **INTERNATIONAL SCHOOL ON MAGNETIC RESONANCE AND BRAIN FUNCTION**
  Director: B. MARAVIGLIA
  12th Workshop: *Investigating brain function and structure by advanced magnetic resonance approaches*
  Directors: F. GIOVE – B. MARAVIGLIA
  30 April – 6 May 2016

- **INTERNATIONAL SCHOOL OF PHARMACOLOGY**
  Director: G.P. VELO
  83rd Workshop: *Medication errors*
  Directors: J.K. ARONSON – P. MINUZ – G.P. VELO
  2 – 6 May 2016

- **CONFERENCE DIRECT TAX RETURN 2016: NEWS AND CRITICAL ISSUES**
  Chairman: G. VIVIANO
  6 May 2016
INTERNATIONAL SCHOOL OF BIOLOGICAL MAGNETIC RESONANCE
Director: J.D. PUGLISI
14th Course: The challenges of biophysics and structural biology
Directors: J.D. PUGLISI – E. VIANI PUGLISI
7 – 17 May 2016

INTERNATIONAL SCHOOL OF STATISTICAL PHYSICS
Directors: P. HÅNGGI – F. MARCHESONI
7th Course: Quantum thermodynamics
Directors: M. CAMPISI – R. FAZIO – P. HÅNGGI
8 – 14 May 2016

INTERNATIONAL SCHOOL OF NEUROSCIENCES «SIR JOHN ECCLES» – INTERNATIONAL SCHOOL OF ETHOLOGY
2nd and 38th Course: Animal and human emotions
Directors: F. DE WAAL – P.F. FERRARI
17 – 22 May 2016

INTERNATIONAL SCHOOL ON TRENDS IN FREE ELECTRON LASER PHYSICS
Directors: W.A. BARLETTA – R. BONIFACIO – M. FERRARIO
17 – 23 May 2016

INTERNATIONAL SCHOOL OF CRYSTALLOGRAPHY
Director: T.L. BLUNDELL
49th Course: High-pressure crystallography: Status artis and emerging opportunities
Directors: F.P.A. FABBIANI – M. GUTHRIE – J.B. PARISE
27 May – 5 June 2016

INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
Director: G. BENEDEK
68th Workshop: The free electron laser for ultrafast imaging and spectroscopy at the nanoscale
Directors: G. ONIDA – G. ROSSI
5 – 11 June 2016

INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
Director: G. BENEDEK
69th Course: Materials for energy and sustainability
12 – 20 July 2016
INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
Director: G. BENEDEK
70th Workshop: TeraHz physics
Directors: G. SCAMARCIO – M.S. VITIELLO
16 – 23 July 2016

INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
Director: G. BENEDEK
71st Workshop: Delocalized electrons in atomic and molecular nanoclusters
Directors: K. HANSEN – V.V. KRESIN
22 – 28 July 2016

INTERNATIONAL SCHOOL OF NEUTRON SCIENCE AND INSTRUMENTATION
3rd Course: Water and the water systems
Directors: R. CAR – F. MALLAMACE
22 – 31 July 2016

INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
Director: G. BENEDEK
72nd Workshop: Epipoptics
Director: A. CRICENTI
24 – 30 July 2016

INTERNATIONAL SCHOOL OF STATISTICAL PHYSICS
Directors: P. HÄNGGI – F. MARCHESONI
8th Course: Quantum interfaces with nano-optomechanical devices
Directors: K. LEHNERT – D. VITALI
31 July – 5 August 2016

INTERNATIONAL SCHOOL OF ATOMIC AND MOLECULAR SPECTROSCOPY
Director: B. DI BARTOLO
34th Workshop: Advances in luminescence research
Director: B. DI BARTOLO
1 – 7 August 2016

INTERNATIONAL SCHOOL OF COSMIC RAY ASTROPHYSICS «MAURICE M. SHAPIRO»
Directors: J.R. HÖRANDEL – T.S. STANEV – J.P. WEFEL
1 – 7 August 2016

INTERNATIONAL SEMINARS ON PLANETARY EMERGENCIES – Chairman: A. ZICHICHI
49th Session – Co-Chairman: T.D. LEE
19 – 24 August 2016

INTERNATIONAL SCHOOL OF SUBNUCLEAR PHYSICS
Director: A. ZICHICHI
Special Seminar: Unexpected results from AMS
Chair: S.C.C. TING – A. ZICHICHI
25 – 31 August 2016

INTERNATIONAL SCHOOL OF NEUROSCIENCES «SIR JOHN ECCLES»
Directors: P.F. FERRARI – G. RIZZOLATTI
3rd Course: Early experiences and sensitive periods in developments
31 August – 5 September 2016

INTERNATIONAL SCHOOL OF STATISTICAL PHYSICS
Directors: P. HÄNGGI – F. MARCHESONI
9th Course: GEM – green energy management
Directors: C. LUCHERONI – S. STEFANI
2 – 13 September 2016

INTERNATIONAL SCHOOL ON MIND, BRAIN AND EDUCATION
Directors: A.M. BATTRO – K.W. FISCHER
11th Course: Brain to brain communication
Directors: A.M. BATTRO – U. HASSON
7 – 13 September 2016
INTERNATIONAL SCHOOL OF NUCLEAR PHYSICS
Directors: M. BUBALLA – A. FAESSLER – J. WAMBACH
38th Course: Nuclear matter under extreme conditions – relativistic heavy-ion collisions
Directors: M. BUBALLA – A. FAESSLER – J. WAMBACH
16 – 24 September 2016

INTERNATIONAL SCHOOL OF PHARMACOLOGY
Director: G.P. VELO
84th Workshop: Pharmacovigilance 3.0: Do we need a new Erice declaration?
25 September – 1 October 2016

INTERNATIONAL SCHOOL OF LIQUID CRYSTALS
Director: C. ZANNONI
22nd Course: Photonic integration: Advanced materials, new technologies and applications
Directors: P. PASINI – D. SELLERI – C. ZANNONI
25 September – 1 October 2016

INTERNATIONAL SCHOOL OF NEUROSCIENCES «SIR JOHN ECCLES»
Directors: P.F. FERRARI – G. RIZZOLATTI
4th Course: Genomic imprinting, epigenetics and physiological functions
2 – 7 October 2016

INTERNATIONAL SCHOOL OF STATISTICAL PHYSICS
Directors: P. HÄNGGI – F. MARCHESONI
10th Course: Exploring and quantifying rough free energy landscapes
Directors: M. PARRINELLÒ – G.A. VOTH
7 – 12 October 2016

INTERNATIONAL SCHOOL OF IUS COMMUNE
Directors: M. BELLOMO – O. CONDORELLI – K. PENNINGTON
36th Course: Repression and tolerance in Medieval and Modern Europe
Directors: M. BELLOMO – O. CONDORELLI
7 – 12 October 2016

INTERNATIONAL SCHOOL OF ETHOLOGY
Directors: D. MAINARDI – S. PARMIGIANI
39th Workshop: The symbolic animal: Evolution and neuroethology of aesthetic
Directors: L. FUSANI – V. GALLESE
15 – 19 October 2016

INTERNATIONAL SCHOOL OF QUANTUM ELECTRONICS
Directors: A.N. CHESTER – S. MARTELLUCCI
57th Course: Photoacoustic and photothermal phenomena focus on biomedical and nanoscale imaging and NDE
Directors: R. LI VOTI – A. MANDELIS
19 – 26 October 2016

INTERNATIONAL SCHOOL OF QUANTUM ELECTRONICS
Directors: A.N. CHESTER – S. MARTELLUCCI
58th Course: Instruments and techniques for satellite propagation campaigns – WS on Alphasat Aldo Paraboni Q/V band experiment
Directors: L. CASTANET – L. LUINI – A. MARTELLUCCI
19 – 26 October 2016

ADVANCED WORKSHOP OF SPORTS MEDICINE «VINCENZO BAIAMONTE»
10th Workshop: Ageing well with sports
Director: F.P. SIELI
27 – 29 October 2016

INFN ELOISATRON PROJECT
Director: A. ZICHICHI
50th Workshop: High power cyclotrons for neutrino physics
Director: W.A. BARLETTA
28 October – 2 November 2016

INTERNATIONAL SCHOOL OF MEDICAL SCIENCES
152nd Course: Pancare European network of survivors after childhood cancer
31 October – 3 November 2016
INTERNATIONAL SCHOOL OF NEUROSCIENCES «SIR JOHN ECCLES» – INTERNATIONAL SCHOOL OF ETHOLOGY
5th and 40th Course: Translational neuroscience and mental disorders: Bridging the gap between animals models and human condition
4 – 9 November 2016

INTERNATIONAL SCHOOL OF DERMATOLOGY
Directors: G. BURG – B. GIANNOTTI
10th Course: Skin cancer: Standards and hits for the best practice
Directors: N. PIMPINELLI – L. ZICHICHI
10 – 13 November 2016

INTERNATIONAL SCHOOL OF CARDIOLOGY
Directors: A. BRANZI – F. FEDELE
18th Course: Update in echocardiography
Director: F. FEDELE
14 – 19 November 2016

INTERNATIONAL SCHOOL OF MEDICAL SCIENCES
153rd Course: Geriatric oncology and rare tumours
Director: I. CARRECA
20 – 24 November 2016

INTERNATIONAL SCHOOL OF UROLOGY AND NEPHROLOGY
Director: C. PAVONE
17th Course: Flexible ureteroscopy and lower tract endourology
Directors: L. DEFIDIO – A. PATÉL – C. PAVONE
27 – 30 November 2016

INTERNATIONAL SCHOOL OF BRAIN CELLS AND CIRCUITS «CAMILLO GOLGI»
Directors: E. D’ANGELO – C. GANDINI WHEELER-KINGSHTOTT
2nd Course: The cerebellum inside-out: Cells, circuits and functions
Directors: E. D’ANGELO – C. DE ZEEUW – C. GANDINI WHEELER-KINGSHTOTT
1 – 5 December 2016

INTERNATIONAL SCHOOL OF MEDICAL SCIENCES
154th Course: Neonatology
Directors: G. CORSELLO – D. LO CASCIO
3 December 2016

INTERNATIONAL SCHOOL OF EPIDEMIOLOGY AND PREVENTIVE MEDICINE «GIUSEPPE D’ALESSANDRO»
Directors: G.M. FARA – G. GIAMMANCO
49th Course: Epidemiology for planning, implementation and evaluation in public health
Directors: F. DONATO – G. GIAMMANCO
3 – 7 December 2016

INTERNATIONAL SCHOOL OF CARDIOLOGY
Directors: A. BRANZI – F. FEDELE
19th Workshop: Heart and lung interactions
Director: S. NOVO
8 – 10 December 2016

INTERNATIONAL SCHOOL OF GERONTOLOGY AND GERIATRICS «GIUSEPPE BARBAGALLO-SANGIORGI»
12th Course: Geriatrics
Director: M. BARBAGALLO
8 – 11 December 2016

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