



SUMMARY OF THE 2026 COURSES – ERICE

Courses are sponsored by the Italian National Institute for Nuclear Physics (INFN), the Sicilian Regional Government and the World Laboratory.

- INTERNATIONAL SCHOOL OF MEDICAL SCIENCES
Directors: A. ZICHICHI – A.E. CARDINALE – I.U. CARRECA
164 Course: *Obesity in mankind: An up to date*
Directors: S. BUSCEMI – I.U. CARRECA
5 – 7 February 2026
- INTERNATIONAL SCHOOL OF MULTISCALE MATHEMATICAL MODELS FOR MULTI-AGENT SYSTEMS
Directors: F. BAGARELLO – R.N. MANTEGNA – V. ROMANO
1st Course: *Mathematical models and methods for many agent systems*
Directors: F. BAGARELLO – R.N. MANTEGNA – V. ROMANO
1 – 6 March 2026
- INTERNATIONAL SCHOOL OF NONEQUILIBRIUM PHENOMENA
Directors: A. LANZARA – M.G. PALMA – B. SPAGNOLO
16th Workshop: *aDvanced Analysis and Modeling of AcousTic Responses of plAnts (DAMATIRA)*
Directors: A. MAFFEZZOLI – G. MARSELLA – E. MASI – G. SALERNO
7 – 10 March 2026
- INTERNATIONAL SCHOOL OF STATISTICAL PHYSICS
Directors: P. HÁNGGI – F. MARCHESONI
28th Course: *Artificial and Intelligent Living Matter II*
Directors: A. DOOSTMOHAMMADI – M.G. MAZZA – T. SHENDRUK – H. STARK
21 – 26 March 2026
- INTERNATIONAL SCHOOL OF NONEQUILIBRIUM PHENOMENA
Directors: A. LANZARA – M.G. PALMA – B. SPAGNOLO
17th Course: *Fluctuations in light-matter interaction: Quantum and thermal emerging regimes*
Directors: M. ANTEZZA – M. CENTINI – G. DE CHIARA
29 March – 3 April 2026
- INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
Directors: G. BENEDEK – G.G. CHIRICO – S. PICOZZI
92nd Workshop: *Unconventional computing - WUC 3*
Directors: V. BRAGAGLIA – M. FANCIULLI – S. STEPNEY – W.G. VAN DER WIEL
7 – 13 April 2026
- INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
Directors: G. BENEDEK – G.G. CHIRICO – S. PICOZZI
93rd Workshop: *Non-equilibrium phenomena in strongly correlated ultracold matter*
Directors: G. DEL PACE – M. INGUSCIO – G. ROATI
13 – 19 April 2026
- INTERNATIONAL SCHOOL OF ETHOLOGY «DANILO MAINARDI»
Directors: P. PALANZA – S. PARMIGIANI
60th Course: *Evolution in Psychotherapy: Current approaches and new directions*
Director: M. DEL GIUDICE
14 – 18 April 2026

- INTERNATIONAL SCHOOL OF ETHOLOGY «DANILO MAINARDI»
Directors: P. PALANZA – S. PARMIGIANI
61st Course: *Complexity in mental health. The interplay between brain, behavior and context*
Directors: I. BRANCHI – F. CIRULLI
26 April – 1 May 2026
- INTERNATIONAL SCHOOL ON ARTIFICIAL INTELLIGENCE TECHNOLOGY AND LAW
Directors: P. DUGGAL – A. LEHMANN – P.P.M. MENCHETTI
1st Course: *AI technology and law*
Directors: A. LEHMANN – P.P.M. MENCHETTI
26 April – 1 May 2026
- INTERNATIONAL SCHOOL ON BIOELECTROMAGNETISM «ALESSANDRO CHIABRERA»
Directors: F. BERSANI – M.R. SCARFÌ
13rd Course: *Bioelectromagnetic systems for innovative high-performance sensing and interaction strategies*
Directors: N. CENNAMO – K. GRENIER
2 – 7 May 2026
- INTERNATIONAL SCHOOL OF EPIDEMIOLOGY AND PREVENTIVE MEDICINE «GIUSEPPE D’ALESSANDRO»
Directors: G.M. FARA – G. GIAMMANCO – C. SIGNORELLI – M. SZKLO – F. VITALE
65th Course: *Health equity: Knowledge, skills, and public health strategies in an increasingly unequal world*
Directors: G. GRAZIANO – L. TAVOSCHI
3 – 7 May 2026
- INTERNATIONAL SCHOOL OF NONEQUILIBRIUM PHENOMENA
Directors: A. LANZARA – M.G. PALMA – B. SPAGNOLO
18th Workshop: *Universality in Physics*
Directors: I. CORWIN – V. GALITSKI
8 – 12 May 2026
- INTERNATIONAL SCHOOL OF NONEQUILIBRIUM PHENOMENA
Directors: A. LANZARA – M.G. PALMA – B. SPAGNOLO
19th Course: *Physics for Health (PfH): New perspectives in medical applications and radiation safety*
Directors: F. D’ERRICO – M. MARRALE – C. LIENARDI
8 – 12 May 2026
- INTERNATIONAL SCHOOL OF BIOPHYSICS «ANTONIO BORSELLINO»
50th Course: *Ion channels and transporters: From atoms to cellular context*
Directors: A. ACCARDI – A. MORONI – S. PLESS
13 – 19 May 2026
- INTERNATIONAL SCHOOL ON TREASURES OF ART AND SCIENCE
Director: L. ZICHICHI
24th Seminar: *Scientists for a day: The youngest in Erice*
Director: L. ZICHICHI
19 – 20 May 2026
- INTERNATIONAL SCHOOL OF MATHEMATICS «GUIDO STAMPACCHIA»
Directors: G. BUTTAZZO – M. THÉRA
81st Course: *New directions in nonlinear PDE*
Directors: A. PISTOIA – S. TERRACINI – B. VELICHKOV – T. WETH
20 – 27 May 2026
- PhD SCHOOL ON TECHNOLOGIES IN GRAVITATIONAL WAVES DETECTION
Directors: L. NATICCHIONI – F. TRAVASSO
20 – 27 May 2026
- INTERNATIONAL SCHOOL OF CRYSTALLOGRAPHY
Directors: T.L. BLUNDELL – now G. SCAPIN
62nd Course: *From structural biology to structural cell biology with the aid of machine learning*
Directors: A.T. CAPUTO – P. ROVERSI – H. WALDEN
29 May – 6 June 2026
- INTERNATIONAL SCHOOL ON TREASURES OF ART AND SCIENCE
Director: L. ZICHICHI
25th Seminar: *Scuola Normale Superiore*
Director: L. ZICHICHI
6 June 2026

- INTERNATIONAL SCHOOL ON FUSION REACTORS TECHNOLOGY
 Director: L. ZICHICHI
 18th Course: *Fundamentals of magnetic confinement fusion design*
 Directors: M. BARBARINO – P. BATISTONI
 7 – 12 June 2026

- INTERNATIONAL SCHOOL OF NEUROSCIENCES «SIR JOHN ECCLES»
 Directors: P.F. FERRARI – G. RIZZOLATTI
 18th Workshop: *Neuroethology of nonhuman primates*
 Directors: L. BONINI – P.F. FERRARI
 8 – 12 June 2026

- INTERNATIONAL SCHOOL OF SUBNUCLEAR PHYSICS
 Directors: A. ZICHICHI – A. ZOCCOLI
 62nd Course: *The new frontiers of particle physics*
 Directors: A. BETTINI – A. MASIERO
 14 – 23 June 2026

- INTERNATIONAL SCHOOL OF NONEQUILIBRIUM PHENOMENA
 Directors: A. LANZARA – M.G. PALMA – B. SPAGNOLO
 20th Course: *New trends in non-equilibrium complex systems: From brain to climate*
 Directors: C. GUARCELLO – S. MAGAZÙ – B. SPAGNOLO – D. VALENTI
 26 – 29 June 2026

- INTERNATIONAL SCHOOL OF MATHEMATICS «GUIDO STAMPACCHIA»
 Directors: F. GIANNESI – now G. BUTTAZZO – M. THÉRA
 82nd Workshop: *Dynamics, deep learning, and control in nonlinear PDE*
 Directors: U. BICCARI – N. DE NITTI
 1 – 4 July 2026

- INTERNATIONAL SCHOOL OF STATISTICAL PHYSICS
 Directors: P. HÄNGGI – F. MARCHESONI
 29th Course: *Self-organized hyperuniformity in and out of equilibrium*
 Directors: P. HÄNGGI – Y. LI – R. NI
 1 – 6 July 2026

- INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
 Directors: G. BENEDEK – G.G. CHIRICO – S. PICOZZI
 94th Course: *Quantum terahertz nanomaterials and devices: Science, technology and applications*
 Directors: F. CAPASSO – O. MITROFANOV – M. VITIELLO
 5 – 11 July 2026

- INTERNATIONAL SCHOOL OF SOLID STATE PHYSICS
 Directors: G. BENEDEK – G.G. CHIRICO – S. PICOZZI
 95th Workshop: *Epioptics and xenos*
 Directors: A. CRICENTI – A. MOLLE
 6 – 12 July 2026

- INTERNATIONAL SCHOOL OF MATERIALS FOR SUSTAINABLE DEVELOPMENT AND ENERGY
 Director: A. TERRASI
 6th Course: *Innovative materials and architectures for photovoltaics*
 Director: P. DELLI VENERE
 11 – 15 July 2026

- INTERNATIONAL SEMINARS ON PLANETARY EMERGENCIES
 Chairman: S.F. ZICHICHI
 58th Session – Co-Chairmen: C. GALBIATI – S.F. ZICHICHI
 16 – 22 July 2026

- INTERNATIONAL SCHOOL OF PHARMACOLOGY «GIAMPAOLO VELO»
 Directors: M. LINDQUIST – P. MINUZ – U. MORETTI
 96th Workshop: *New advances in immunotherapy: CIMT/NIBIT*
 Directors: V. BRONTE – M. DIKEN – Ö. TÜRECI
 23 – 26 July 2026

- INTERNATIONAL SCHOOL OF NONEQUILIBRIUM PHENOMENA
Directors: A. LANZARA – M.G. PALMA – B. SPAGNOLO
21st Course: *Emergence of coherence in nonequilibrium and structured environments 2026 - ECO-NOISE-2026*
Directors: A. CAVALLERI – E. DEMLER – D. DE SANTIS – M.H. MICHAEL – A. RUBIO
23 – 28 July 2026
- INTERNATIONAL SCHOOL OF BIOLOGICAL MAGNETIC RESONANCE
Director: J.D. PUGLISI
22nd Course: *Future of biophysics*
Directors: J.D. PUGLISI – E. VIANI PUGLISI
29 July – 5 August 2026
- INTERNATIONAL SCHOOL OF COSMIC RAY ASTROPHYSICS «MAURICE M. SHAPIRO»
24th Course: *Particles and the cosmos - bridging the infinitesimal and the infinite*
Directors: J.R. HÖRANDEL – R. SPARVOLI – T.S. STANEV
29 July – 6 August 2026
- INTERNATIONAL SCHOOL OF MATERIALS FOR SUSTAINABLE DEVELOPMENT AND ENERGY
Director: A. TERRASI
7th Course: *Powering sustainability: Emerging materials for energy conversion and storage*
Directors: H.-N. BARAD – E. MEIRZADEH
6 – 11 August 2026
- INTERNATIONAL SCHOOL ON TREASURES OF ART AND SCIENCE
Director: L. ZICHICHI
26th Seminar
Director: L. ZICHICHI
13 – 24 August 2026
- INTERNATIONAL SCHOOL OF MUSICAL SCIENCES
Director: R. GIULIANI
7th Course
13 – 24 August 2026
- INTERNATIONAL SCHOOL ON PHYSICAL COMPUTING
Directors: A. CALÀ LESINA – W. PERNICE
2nd Workshop: *Metaphotonics and optical neural networks*
Directors: A. CALÀ LESINA – W. PERNICE – B. STILLER
26 – 31 August 2026
- INTERNATIONAL SCHOOL ON ARTIFICIAL INTELLIGENCE TECHNOLOGY AND LAW
Directors: P. DUGGAL – A. LEHMANN – P.P.M. MENCHETTI
2nd Course: *AI technology and law*
Directors: P. DUGGAL – A. LEHMANN – P.P.M. MENCHETTI
1 – 6 September 2026
- INTERNATIONAL SCHOOL OF NEUROSCIENCES «SIR JOHN ECCLES»
Directors: P.F. FERRARI – G. RIZZOLATTI
19th Workshop: *Early neuropsychological development and plasticity: Linking early social experience to mental health outcomes*
Directors: P.F. FERRARI – H. RAYSON
2 – 5 September 2026
- INTERNATIONAL SCHOOL ON MASS SPECTROMETRY
Director: G. GIORGI
3rd Course *Mass Spectrometry and tandem MS of macromolecules. Fundamentals, advances, and applications*
Directors: J.A. LOO – L. PAŠA-TOLIC
9 – 14 September 2026
- INTERNATIONAL SCHOOL OF NUCLEAR PHYSICS
Directors: A. FAESSLER – now M. BUBALLA – C.S. FISCHER
47th Course: *Neutrinos in cosmology, in astro-, particle- and nuclear physics*
Directors: C.S. FISCHER – K. VALERIUS
16 – 22 September 2026
- INTERNATIONAL SCHOOL OF ETHOLOGY «DANILO MAINARDI»
Directors: P. PALANZA – S. PARMIGIANI
62nd Course: *Ethology, literature and the arts: The science of animal behaviour and its influence on creativeness*
Directors: S. POLLO – A. VITALE
23 – 27 September 2026

- INTERNATIONAL SCHOOL OF MOLECULAR ONCOLOGY
Director: F.M. BUONAGURO
6th Course
Director
24 – 27 September 2026

- INTERNATIONAL SCHOOL OF STATISTICAL PHYSICS
Directors: P. HÄNGGI – F. MARCHESONI
30th Course: *Exploring and quantifying rough free energy landscapes*
Directors: P. TIWARY – G.A. VOTH
28 September – 3 October 2026

- INTERNATIONAL SCHOOL OF SCIENCE DIPLOMACY
Directors: D. BURIGANA – V. CODA NUNZIANTE – P. GRISET – S. MANNINO – U. VATTANI
2nd Course
Director: V. CODA NUNZIANTE
4 – 10 October 2026

- INTERNATIONAL SCHOOL OF SCIENTIFIC JOURNALISM AND COMMUNICATION
Director: P. CAMPANA
14th Course: *Energy for a sustainable future*
Directors: P. CAMPANA – P. GIANOTTI
10 – 14 October 2026

- INTERNATIONAL SCHOOL OF SCIENCE EDUCATION
Directors: P. LÉNA – A. PASCUCCI
5th Workshop: *A strategy for Science Education in a changing world*
Directors: P. McGRATH – C. O'DONNELL – A. PASCUCCI
15 – 20 October 2026

- INTERNATIONAL SCHOOL OF BIOPHYSICS «ANTONIO BORSELLINO»
51st Course: *Chromatin landscapes: Linking physical reality with biological destiny*
Directors: R. BIZZARRI – A. DIASPRO – E. HINDE
15 – 21 October 2026

- INTERNATIONAL SCHOOL OF IUS COMMUNE
Directors: M. BELLOMO – O. CONDORELLI – W. DECOCK – K. PENNINGTON
45th Course: *Status, privilege and (in)equality from the “ius commune” to the French Revolution*
Directors: O. CONDORELLI – W. DECOCK
22 – 26 October 2026

- INTERNATIONAL SCHOOL OF COMPLEXITY
Directors: A. ZICHICHI – Co-Directors: G. BENEDEK – A. RAPISARDA – C. TSALLIS
21st Course: *Complex networks of cardiovascular and physiological oscillations*
Directors: L. FAES – G. NOLLO – A. PORTA – S. STRAMAGLIA
22 – 26 October 2026

- INTERNATIONAL SCHOOL OF PHARMACOLOGY «GIAMPAOLO VELO»
Directors: M. LINDQUIST – P. MINUZ – U. MORETTI
97th Course: *Common mechanisms in cardiovascular disease and cancer with a focus on platelet activation and inhibition*
Directors: P. MINUZ – P. PATRIGNANI – C. PATRONO
26 – 28 October 2026

- INTERNATIONAL SCHOOL OF COMPLEXITY
Directors: A. ZICHICHI – Co-Directors: G. BENEDEK – A. RAPISARDA – C. TSALLIS
22nd Course: *Modeling, analysis, and control of networks with higher-order interactions*
Directors: S. BOCCALETTI – P. DE LELLIS – V. GAMBUZZA
27 October – 1 November 2026

- INTERNATIONAL SCHOOL OF NONEQUILIBRIUM PHENOMENA
Directors: A. LANZARA – M.G. PALMA – B. SPAGNOLO
22nd Course: *Methods for many-body open quantum systems*
Directors: A. BIELLA – C. CIUTI
2 – 7 November 2026

- INTERNATIONAL SCHOOL OF PRECISION MEDICINE AND LABORATORY
Directors: M. CIACCIO – F. SALVATORE
4th Course
Directors: M. CIACCIO – F. SALVATORE
9 – 11 November 2026

- INTERNATIONAL SCHOOL OF MOLECULAR ONCOLOGY
Director: F.M. BUONAGURO
7th Course
Director
11 – 14 November 2026

- INTERNATIONAL SCHOOL OF MULTISCALE MATHEMATICAL MODELS FOR MULTI-AGENT SYSTEMS
Directors: F. BAGARELLO – R.N. MANTEGNA – V. ROMANO
2nd Course: *Pseudo Hermitian Hamiltonians and Quantum Physics*
Directors: F. BAGARELLO – F. GARGANO
15 – 21 November 2026

- INTERNATIONAL WORKSHOP ON MANAGEMENT OF RESEARCH INFRASTRUCTURES
Directors: P. CAMPANA – E. PREVITALI – A. SEQUI
22 – 29 November 2026

- INTERNATIONAL SCHOOL OF ATOMIC AND MOLECULAR SPECTROSCOPY
Directors: B. DI BARTOLO – M. CESARIA
40th Workshop: *Matter physics and photonics: Interwined fields for exploring fundamentals and applications*
Director: M. CESARIA
30 November – 5 December 2026

- INTERNATIONAL SCHOOL OF BRAIN CELLS AND CIRCUITS «CAMILLO GOLGI»
Directors: E. D'ANGELO – C. GANDINI WHEELER-KINGSHOTT
11st Course: *Brain digital twins: A roadmap to clinical adoption*
Directors: E. D'ANGELO – C. GANDINI WHEELER-KINGSHOTT
13 – 18 December 2026

<p>More information about the activities of the Ettore Majorana Foundation can be found on the WWW at the following address: https://ettoremajoranafoundation.it</p>
