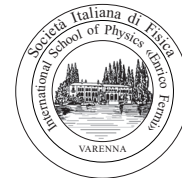




SOCIETÀ ITALIANA DI FISICA
INTERNATIONAL SCHOOL OF PHYSICS
“ENRICO FERMI”

UNDER THE SPONSORSHIP OF CAMERA DI COMMERCIO DI LECCO - ISTITUTO NAZIONALE DI FISICA NUCLEARE
CONSIGLIO NAZIONALE DELLE RICERCHE - ISTITUTO NAZIONALE DI RICERCA METROLOGICA
MUSEO STORICO DELLA FISICA E CENTRO STUDI E RICERCHE “ENRICO FERMI”



SUMMER COURSES 2014
VILLA MONASTERO - VARENNA, LAKE COMO

Course 190

FRONTIERS IN MODERN OPTICS

30 June – 5 July

Topics:

- Frontiers in Nonlinear Optics
- Silicon-Based Nonlinear Nanophotonics
- Silicon Nanophotonics
- Supercontinuum and White-Light Applications
- Accelerating Beams and Light Pulses
- The Geometry of Light
- Filamentation and Self-Induced Beam Propagation Effects
- Frontiers of Light Imaging Techniques
- Frontiers in Optical Fibre Communications
- Optical Frequency Combs
- Measurement of Amplitude and Phase of Ultrashort Light Pulses
- Frontiers of Photonic Entanglement

Lecturers:

R. BOYD – University of Ottawa (Canada), University of Rochester, The Institute of Optics, Rochester, NY (USA)
D. CHRISTODOULIDES – CREOL, The College of Optics & Photonics, University of Central Florida, Orlando, FL (USA)
A. COUAIRON – Centre de Physique Théorique, École Polytechnique, Palaiseau (France)
A. GAETA – School of Applied and Engineering Physics, Cornell University, Ithaca, NY (USA)
G. GENTY – Department of Physics, Tampere University of Technology (Finland)
U. LEONHARDT – Department of Physics of Complex Systems, Weizmann Institute of Science, Rehovot (Israel)
M. LIPSON – School of Electrical and Computing Engineering, Cornell University, Ithaca, NY (USA)
M. PADGETT – The School of Physics and Astronomy, University of Glasgow (Scotland)
D. RICHARDSON – ORC, Optoelectronics Research Centre, University of Southampton (UK)
G. STEINMEYER – Abteilung für Festkörperlichtquellen, Max-Born-Institut für Nichtlineare Optik und Kurzzeitspektroskopie im Forschungsverbund, Berlin (Germany)
T. UDEM – Abteilung für Laserspektroskopie, Max-Planck-Institut für Quantenoptik, Garching (Germany)
A. ZEILINGER – Institute for Quantum Optics and Quantum Information, Vienna Center for Quantum Science and Technology, International University of Vienna (Austria)

Directors of the Course:

J. DUDLEY – Université de Franche-Comté, Faculté des Sciences et Techniques, Institut FEMTO-ST, Besançon (France)
D. FACCIO – Heriot-Watt University, School of Engineering and Physical Sciences, Edinburgh (UK)

Scientific Secretary:

M. CLERICI – INRS-EMT Université du Québec, Varennes (Canada), Heriot-Watt University, School of Engineering and Physical Sciences, Edinburgh (UK)

Deadline for application:

15 April 2014

Correspondence and application forms should be sent to:

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email for the Course: frontiers.optics@gmail.com

Arrival day:

Sunday, 29 June 2014

Opening of the Course:

Monday, 30 June 2014 - 9.00 a.m.

Closing of the Course:

Saturday, 5 July 2014 - 12.30 p.m.

Participation fee:

€ 900,00 (for attendance, board, lodging and Proceedings)