



Joint **EPS-SIF**



INTERNATIONAL SCHOOL ON **ENERGY**

UNDER THE SPONSORSHIP OF
CAMERA DI COMMERCIO DI LECCO, ISTITUTO NAZIONALE DI FISICA NUCLEARE,
MUSEO STORICO DELLA FISICA E CENTRO STUDI E RICERCHE "ENRICO FERMI"

Course I

NEW STRATEGIES FOR ENERGY GENERATION, CONVERSION AND STORAGE

30 July - 4 August 2012

VILLA MONASTERO - VARENNA, LAKE COMO

Directors of the Course:

L. CIFARELLI – Dipartimento di Fisica, Università di Bologna (Italy)
F. WAGNER – Max-Planck-Institut für Plasmaphysik, Greifswald (Germany)
D. S. WIERSMA – LENS and CNR-INO, Firenze (Italy)

Topics:

- Energy from fossil sources
- Nuclear energy, fission and fusion physics
 - Renewable energy
- Solar energy and photovoltaics
 - Wind generated energy
 - Energy from bio-sources
- Energy, CO₂ emissions, environment and global scenario
- Energy storage, saving and efficiency
- Energy for future transportation
- Energy and communication

Lecturers:

S. CENTRO – Dipartimento di Fisica, Università di Padova (Italy)
E. DE SANCTIS – INFN, Laboratori Nazionali di Frascati (Italy)
H. FREIESLEBEN – Technische Universität Dresden, Institut für Kern- und Teilchenphysik, Dresden (Germany)
M. GADERER – Technische Universität München (Germany)
H. HELD – Forschungsstelle Nachhaltige Umweltentwicklung, KlimaCampus, Universität Hamburg (Germany)
L. J. F. HERMANS – Leiden Institute of Physics, Leiden University (The Netherlands)
H. JOHANSEN – Institute for Energy Technology, Kjeller (Norway)
K. JOHANSSON – Global Energy Systems, Uppsala University (Sweden)
P. LAGOUDAKIS – University of Southampton (UK)
A. J. McEVROY – Ecole Polytechnique Fédérale de Lausanne (Switzerland)
M. MILANESE – Kitenergy, Torino (Italy)
C. OHLER – ABB Corporate Research, Baden-Dättwil (Switzerland)
M. E. RICOTTI – Dipartimento di Energia, Politecnico di Milano, CeSNEF-Nuclear Engineering Division, Milano (Italy)
R. SCHLÖGL – Fritz-Haber-Institut der Max-Planck-Gesellschaft, Department Inorganic Chemistry, Berlin (Germany)
F. WAGNER – Max-Planck-Institut für Plasmaphysik, Greifswald (Germany)
H-J. WAGNER – Institut für Energietechnik, Ruhr Universität Bochum (Germany)
D. S. WIERSMA – LENS and CNR-INO, Firenze (Italy)

Deadline for Application: 31 May 2012

Correspondence and application forms should be sent to:

M. BURRESI
LENS - European Laboratory for Non-Linear Spectroscopy
and CNR-INO
Via Nello Carrara 1
50019 Sesto-Fiorentino, Firenze (Italy)
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Participation fee: € 900,00 (for attendance, full board, lodging and Proceedings)

GENERAL INFORMATION

- A) – The number of students at the Course is limited to about 80. Students are requested to attend all lectures.
B) – Whoever may be interested in attending the Course and is not entitled - for his age or other reasons - to be considered a student, may follow the Course as observer. Registration fee charged to observers is Euro 500,00. Observers should provide for their board and lodging; if required, the School may take care of their hotel accommodation.
C) – Applicants will be informed of the decision on their admittance within 6 weeks from the beginning of the Course.
D) – Owing to the limited number of places available in the lecture hall, it will not be possible to allow any person not selected by the Committee of the School to follow the Course.
E) – Students are requested to arrive at Varenna the day preceding the opening of the Course: Sunday, July 29th. Accommodation for the students will be provided in rooms with 2 beds in hotels at Varenna. Meals will be served at the hotels.
F) – Fees should be paid by students and observers following the instruction and within the date indicated in the letter of admittance.
G) – Scholarships may be granted to deserving students who need financial help. Such requests must be specified in the application and justified in the recommendation letter. Some of the Scholarships will be granted to EPS and/or SIF Members. Scholarships will be assigned by the Presidents of the European Physical Society and of the Italian Physical Society.
H) – Students should avoid being accompanied by relatives. In view of the holiday season local accommodation is very limited. Quite exceptionally the School could see to the accommodation of members of students' families in local hotels. Hotel expenditure for students' relatives will be payable separately and directly to the hotel management.