

INTERNATIONAL INSTITUTE
FOR ADVANCED
SCIENTIFIC STUDIES



ISTITUTO INTERNAZIONALE
PER GLI ALTI
STUDI SCIENTIFICI

E. R. Caianiello

SUMMER SCHOOL

October 5 - 16, 2015

IIASS - Vietri sul Mare (Salerno) - Italy

XIX Training Course in the Physics of Strongly Correlated Systems

TOPICS

Fe based Superconductors: Materials, phase diagrams, and spectroscopy

Cooper-pairing, magnetic frustration, and spin fluctuations in iron based superconductors

Modeling many-body physics in Fe-superconductors and other multi orbital materials with the Slave-Spin mean-field: Mott and Hund's physics

Nematic order and fluctuations in iron based superconductors

LECTURERS

Bernd Büchner (*Institute for Solid State Research, Germany*)

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Ilya Eremin (*Ruhr-Universität Bochum, Germany*)

Jörg Schmalian (*Karlsruher Institut für Technologie, Germany*)

SPONSORS

*Università degli Studi di Salerno
Dipartimento di Fisica "E.R. Caianiello"
European Physical Society*

DIRECTOR OF THE COURSE

Prof. Ferdinando Mancini

COORDINATOR OF THE COURSE

Dr. Roberta Citro

Detailed information and application form at the web site:

<http://www.iiassvietri.it/home-xix-t-c.html>

