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**SUMMER SCHOOL**

**October 3 - 14, 2011**

**IIASS - Vietri sul Mare (Salerno) - Italy**

# **XVI Training Course in the Physics of Strongly Correlated Systems**

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**T O P I C S**

*From Kondo and Spin Glasses to Heavy Fermions,  
Hidden Order and Quantum Phase Transitions.*

*Landau's Fermi Liquid Concept to the Extreme:  
the Physics of Heavy Fermions.*

*Simulations using matrix product states.*

*The solid state as a fabric for intertwining chemical bonding,  
electronic structure and magnetism.*

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**L E C T U R E R S**

**John A. Mydosh** (*Netherlands*), **Thomas Pruschke** (*Germany*),  
**Ulrich Schollwöck** (*Germany*), **David Singh** (*USA*).

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**O R G A N I Z I N G   C O M M I T T E E**

**Adolfo Avella**

**Ferdinando Mancini**

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**S P O N S O R S**

**Dipartimento di Fisica "E.R. Caianiello", Università degli Studi di Salerno  
Istituto Internazionale per gli Alti Studi Scientifici "E.R. Caianiello"**

**Detailed information and application form at the web site: <http://scs.physics.unisa.it/TCXVI>**