



VIU

Venice
International
University

TEN Center

Thematic
Environmental
Networks

Isola di San Servolo
30100 Venice, Italy
www.univiu.org

T +39 041 2719 511
F +39 041 2719 510
viu@univiu.org

CASS Training Program
Energy Efficiency and Renewable Energy
November 4 - 15, 2012

Course Agenda

Theme: Solar Energy; Transportation and Energy Efficiency

Site Visit: Concentrating Solar Power (ENEA Casaccia Research Centre)

Lecture: Overview of ENEA Role and Activities (F. Amato, ENEA)

Lecture: An Overview of Transportation Problems and Energy Efficiency/Low emission car (G. Pede, ENEA)

Lecture: ENEA's Activities on Renewable Energies (A. Giaconia, ENEA)

Visit to Laboratories and CSP (Concentrated Solar Power) Test Plant

Theme: Venice History and its Environment; Energy Efficiency Policies

Lecture: A City between Land and Water, West and East. Brief Introduction to the History of Venice (L. Pes, Venice International University and University IUAV of Venice, Italy)

Lecture: Energy Efficiency and Load Management: Some Basic Concepts and the Need for Policy Intervention (M. Pavan, Italian Regulatory Authority for Electricity and Gas)

Lecture: Energy Saving Obligations and White Certificates for the Promotion of End-use Energy Efficiency (M. Pavan, Italian Regulatory Authority for Electricity and Gas)

Theme: Ecobuilding and Energy Efficiency

Lecture: Main Principles of Eco-building (F. Zaggia, Favero & Milan Engineering)

Lecture: Eco-buildings: Case Studies (F. Zaggia, Favero & Milan Engineering)

Site Visit: Architecture & Technology. The TIFS Ecobuilding (R. Zecchin, University of Padua)

Theme: Renewable Energy and Energy Efficiency at the Local Level; Solar Energy

Lecture: Energy Consumptions at National and Local Level (M. de Carli, University of Padua)

Lecture: Energy Efficiency in Practice: Padua Province Energy Plan (M. de Carli, University of Padua)

Lecture: Photovoltaic Plants: Key Elements, Trends and Critical Aspects (F. Bignucolo, Galileia s.r.l.)

Theme: Geothermal Energy and Wind Energy

Lecture: Geothermal Energy: from the Heart of the Earth. Geothermal Energy Discovery (R. Bertani, ENEL Green Power, International Geothermal Association)

Lecture: Geothermal Energy: from the Heart of the Earth. Geothermal Energy in China (R. Bertani, ENEL Green Power, International Geothermal Association)

Lecture: Wind Energy and the Energy Market (L. Battisti, University of Trento)



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Theme: Waste to Energy

Site Visit: Integrated Waste Treatment Plant (D. De Luigi, Ecoprogetto s.r.l.)

Theme: Renewable Energies and Energy Efficiency

Site Visit: Site visit to Casa Gaia Eco-Building

Lecture: Energy Efficiency and Renewable Energies in Turin Province (S. De Nigris, Province of Turin, Air quality and Energy Resources Department)