



VIU

Venice
International
University

TEN Center

Thematic
Environmental
Networks

Isola di San Servolo
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CASS Training Program
Energy Efficiency and Renewable Energy
November 5 - 19, 2011

Course Agenda

Theme: Solar Energy and Transportation and Energy Efficiency

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

Lecture: Welcome and Opening Address (A. Di Pietro, International Relations Unit, ENEA)

Lecture: An overview of Transportation and Energy Efficiency/low emission car (G. Pede, Technical Unit for Advanced Technologies for Energy and Industry, ENEA)

Lecture: ENEA's activities on Renewable Energies (P. Tarquini, Technical Unit for Renewable Energy Sources, ENEA)

Site Visit to Laboratories and CSP (Concentrated Solar Power) test plant

Lecture: Transportation and Energy Efficiency: Legislation on Low Emission Car in Italy (V. Leonardi, Department for Sustainable Development, Climate Change and Energy IMELS)

Theme: Venice History and its Environment

Lecture: History of Venice: Urban and Environmental Aspects (L. Pes, Venice International University and University IUAV of Venice)

Lecture: Introduction to the Site Visit to the Industrial Area of Porto Marghera (F. Porchia, University of Padua)

Site Visit to Porto Marghera: Industrial Area Management (F. Porchia, University of Padua)

Theme: Renewable Energy: Photovoltaic

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

Theme: Wind Energy; Geothermal Energy

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

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)



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Theme: Ecobuilding and Energy Efficiency; Ecobuilding in Practice

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

Lecture: Energy consumptions in Italy (M. de Carli, University of Padua)

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

Site Visit to Integrated Waste Treatment Plant in Fusina (F. Faraon, Idecom S.r.l.)

Theme: Renewable Energies and Energy Efficiency

Lecture: Life Cycle Assessment of Energy Systems (A. Blengini, Polytechnic of Turin)

Lecture: Carbon Balance and Environmental Comparison of Four Agro-energy Chains (A. Blengini, Polytechnic of Turin)

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

Theme: Use of Renewable Energies

Site visit to Casa Gaia Eco-Building (G. Papa, Soc. Coop. Gaia Villages)