CASS Training Program
Sustainable Urban Development and Eco-building
November 21 – December 5, 2009

Course Agenda

**Theme: Urban Sustainable Development**

**Lecture:** Environmental policy at local level in Italy and the role of the Italian Ministry for the Environment, Land and Sea (P. Manzione, Department for Environmental Research and Development, IMELS)

**Lecture:** Urban Sustainable Development (A. Fidanza, Department for Environmental Research and Development, IMELS)

**Site Visit** to Explora: Children’s Museum

**Theme: Introduction to Venetian Culture and its Environment**

**Lecture:** History of Venice: Urban and Environmental Aspects (F. Zennaro, Researcher, TEN)

**Lecture:** The Evolution of the Environmental Problem in Venice: towards a Sustainable City. (S. Dalla Riva, Researcher, CORILA - Consortium for Managing Research Activities in the Venice Lagoon)

**Site Visit:** The Lagoon of Venice (TEN Center)

**Theme: Eco-building: the Role of Industry**

**Site Visit** to the Metadistretto Veneto of Ecobuilding

**Lecture:** Bioclimatic Architecture – Beyond Energy Efficiency (F. Marinelli, The Metadistretto Veneto of Ecobuilding)

**Lecture:** The Metadistretto Veneto of Eco-building (A. Tormena, The Metadistretto Veneto of Ecobuilding)

**Site Visit** to Residence Acqua Azzurra (G. Vendramin, CEV Enterprise)

**Theme: Eco-building: Architecture Innovations**

**Lecture:** Principle of Sustainable Design and Planning: Recent Researches and Approaches (L. Paschini, President, GiArch – Italian Young Architects National Association)

**Lecture:** Zero Energy House. Innovative Solutions for Architectural Projects (L. Paschini, President, GiArch – Italian Young Architects National Association)

**Lecture:** Energy Efficiency in Existing Buildings Restoration (J. Gaspari, Researcher, Venice University Institute of Architecture, IUAV)

**Theme: Sustainable Mobility and Eco-building in Practice**

**Lecture:** Sustainable Urban Mobility in the City of Milan (M. Bedogni, AMAT, Mobility, Environment and Land Agency of Milan)

**Site Visit** to Tifs, a Case of Eco-Building in Padua (R. Zecchin, Professor of Thermal Systems and Temporary Professor of Applied Acoustics, Engineering Faculty, University of Padua, Italy)
**Theme: Energy Efficiency Certification in Buildings and Waste Management**

**Lecture:** Energy Efficiency Certification in Buildings: Policies (P. Romagnoni, University IUAV of Venice)

**Lecture:** Energy Efficiency Certification in Buildings: Case Studies (P. Romagnoni, University IUAV of Venice)

**Site Visit** to Veritas Integrated Waste Treatment Plant (A. Marchini, Director, Local Public Services, Veritas S.p.a. and F. Faraon, Researcher, Idecom srl)

**Theme: Eco-building for Sustainable Communities**

**Lecture:** “Casa Gaia Thermic-energetic Behaviour, an Experimental House where to Live and to Show Sustainable Systems” (G. Papa, Casa Gaia)

**Site Visit** to Energy Efficient Building “Casa Gaia” in Luserna San Giovanni

**Theme: Water Treatment; Health Issues in Sustainable Development**

**Site Visit** to SMAT S.p.A. Water Treatment Plant (L. Paglicci, SMAT S.p.A.)

**Lecture:** Urban Sustainability and Health in Turin City (E. Cadum, Arpa Piemonte)