

PRE-REGISTRATION FORM

applications must arrive by 30 May

Integrated design of HVAC systems in buildings

Venice
(ITALY)

July 7th-11th, 2008

Name

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Surname

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Company

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Address

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City, State

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Education

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Line of business

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Phone

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Fax

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E-mail

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Date

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Signature

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Integrated design of HVAC systems in buildings

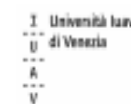


Venice
ITALY

July 7th-11th, 2008

A joint venture of :

- Università IUAV, Venezia (I)
- DTU, Technical University of Denmark (DK)
- UC Berkeley, Department of Architecture (USA)
- Dipartimento di Fisica Tecnica, Università di Padova (I)



Under the auspice of:



European Cooperation in the field of Scientific and Technical Research

Comfort, energy saving and indoor air quality are the main parameters binding the choices in the design of the built environment. Very often the proposed solutions pay more attention to the HVAC system rather than the building envelope or vice versa, without considering an integrated approach. During the last years the research carried out in this field has emphasized the capabilities and the advantages of integrating these two subjects in a sole item, the building-plant system.

Entrance fee: 550 €

No I.V.A. charge due to Art. 10.20 DPR 633/72.
Entrance fee includes educational materials, coffee breaks and lunches.

Available seats : 40

15 free-places will be available for students based on CV, which has to be attached with the pre-registration form.

Conditions of pre-registration:

please send the enclosed pre-registration form by fax 049/8276896, or by mail to wilmer.pasut@unipd.it
Only the first 40 applications will be accepted.

6 June 2008 is the final date for sending in the pre-registration.

Conditions of payment:

The payment shall be made after acceptance of application, depending on the conditions. Modality will be communicated directly to the persons interested.

Venue of the course:

IUAUV, Faculty of Architecture
Santa Croce 193, Tolentini, Venice (Italy)

For information and registration:

Wilmer Pasut
Dipartimento di Fisica Tecnica
Via Venezia 1-I-35131 Padova (ITALY)
Tel. +39 049 827 6883 Fax +39 049 827 6869
e-mail: wilmer.pasut@unipd.it

All lectures will be given in english and include theory and applications. At the end of each day a test will be carried out to allow participants to check their learning.

DRAFT OF THE PROGRAM

Monday

- 10.00-10.30:** Introduction
- 10.30-13.00:** New concepts in IBD (Integrated Building Design) toward a sustainable design
- 14.00-15.30:** Thermal comfort: basic schemes versus adaptive theories
- 16.00-17.30:** Concepts in energy balance modelling for buildings

Tuesday

- 09.00-10.30:** A global approach to IEQ (Indoor Environmental Quality)
- 11.00-12.30:** Ventilation and productivity
- 14.00-15.30:** Materials and technologies: how they affect the energy balance of buildings
- 16.00-17.30:** Ventilation: between IAQ (Indoor Air Quality) and energy conservation

Wednesday

- 9.00-10.30:** Lessons learned from post-occupancy evaluation (POE)
- 11.00-12.30:** Innovative terminal units for soft HVAC in buildings
- 14.00-15.30:** How to measure IEQ ?
- 16.00-17.30:** Examples of IEQ measurements

Thursday

- 9.00-10.30:** New trends in building ventilation
- 11.00-12.30:** Displacement ventilation
- 14.00-15.30:** Personalised Ventilation
- 16.00-17.30:** Underfloor air distribution (UFAD)

Friday

- 9.00-10.30:** Interaction between radiant systems and ventilation
- 11.00-12.30:** Displacement ventilation and radiant systems: solutions for large spaces
- 14.00-15.30:** Daylighting: an equilibrium between architectural requirements, comfort and energy conservation
- 16.00-17.30:** HVAC noise in the context of acoustical design of buildings

Speakers:

Fred S. Bauman, Researcher
Department of Architecture, UC Berkeley
Berkeley (USA)

Mario Cucinella, Architect
MC A, Mario Cucinella Architects
Bologna (I)

Francesca Romana D'Ambrosio, Professor
Dipartimento di Ingegneria Meccanica
Università degli Studi di Salerno
Salerno (I)

Michele De Carli, Assistant Professor
Dipartimento di Fisica Tecnica,
Università degli Studi di Padova
Padova (I)

Bjarne W. Olesen, Professor
ICIEE, Int. Centre for Indoor Environment and Energy,
DTU-Danish Technical University
Lingby (DK)

Marco Perino, Professor
TEBE- Technology Energy Building Environment
Politecnico di Torino
Torino (I)

Fabio Peron, Associate Professor
Dipartimento di Costruzione dell'Architettura
Università IUAV,
Venezia (I)

Valentina Raisa, Ph.D
Consultant on ventilation
Modena (I)

Piercarlo Romagnoni, Professor
Dipartimento di Costruzione dell'Architettura
Università IUAV,
Venezia (I)

Stefano Schiavon, Ph.D student
Dipartimento di Fisica Tecnica
Università degli Studi di Padova
Padova (I)

Roberto Zecchin, Professor
Dipartimento di Fisica Tecnica
Università degli Studi di Padova
Padova (I)