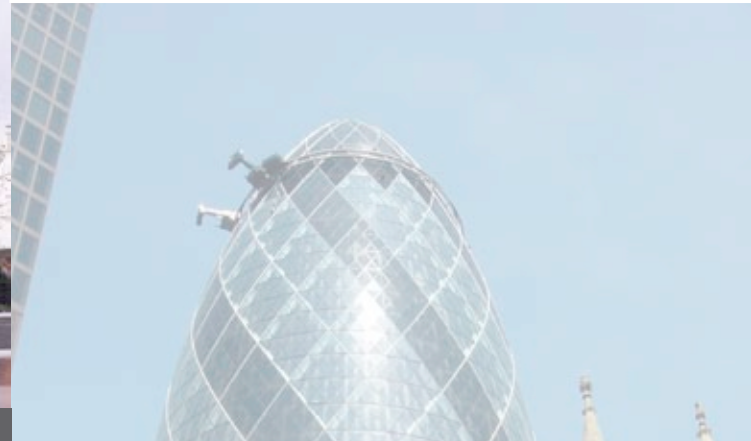




Foster + Partners, City Hall



Environmentally Responsive Building Envelope



Foster + Partners, Swiss Re Headquarters



Accademia di architettura, Mendrisio



Foster + Partners, HSBC UK Headquarters

Ecological goal in architecture

The main ecological goal in architecture today is to reduce to a minimum – ideally to zero - the total primary energy needs of a building i.e. the energy consumption for heating, cooling, ventilation and lighting.

A building envelope can be described as environmentally responsive, when it makes use of natural renewable energy sources such as solar radiation for heating, lighting, photovoltaic, etc., and such as wind for natural ventilation of office spaces, atria and climate halls.

The design of an environmentally responsive building envelope must be based on integrated energy concepts which enable an interaction between the envelope, the building and the environment.

This design task can only be tackled by means of an integrated approach to planning, i.e. interdisciplinary collaboration between architects, façade and environmental engineers.

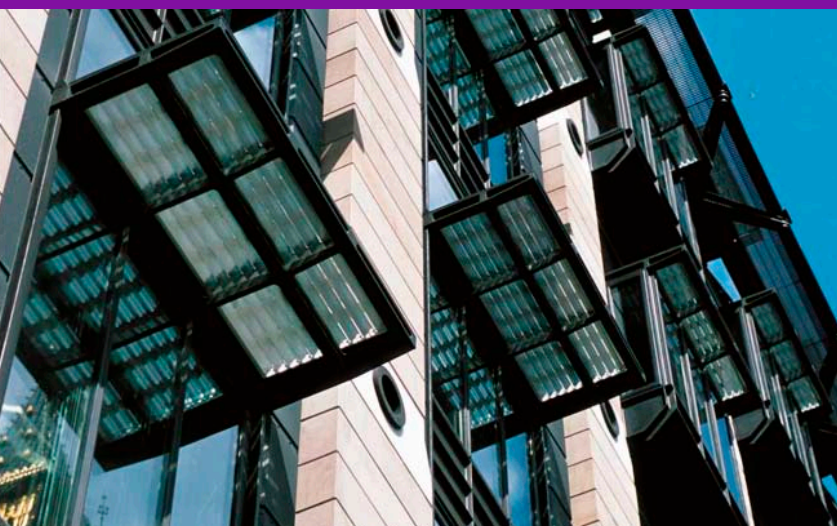


Richard Rogers Partnership, Lloyd's of London

Accademia di architettura, Mendrisio



Richard Rogers Partnership, Europe-House



Hopkins Architects, Portcullis House

Program

In addition to practicing of the design of responsive building envelopes by means of integrated planning, visits of built examples will be organized. Lectures and design studios will take place during 1st and 3rd week. During the 2nd week the class will be traveling to London. A detailed program is available on the website.

Designated guest lecturers are, among others:

- Andrea Compagno, Fassadenplanung und -beratung;
- Stefan Behling, Foster + Partners
- Bernard Plattner, Renzo Piano Building Workshop
- Joachim Stoll, University of Applied Sciences

Details

Host

Accademia di architettura, USI, Mendrisio, Switzerland
www.arc.usi.ch/aam_casa_accademia

Duration

3 weeks from July 11th to July 29th

Costs

Tuition CHF 2'000 / USA \$ 2'000 / € 1'600
including the planned trip to London
Accademia students can apply for grants
Accommodation CHF 300 / USA \$ 300 / € 240
Deposit CHF 300 / USA \$ 300 / € 240
Not included insurance and meals

Submission deadline

April 16th, 2011

Admission requirements

In order to be admitted to the program students must be enrolled in a master degree in architecture equivalent to that of of the Accademia di architettura.

Number of students

Minimum 10 - maximum 15.

The course may be canceled before 8th April 2011
If the minimum number of students is not reached.
In this case the deposits will be refunded.

Contact

Administration: summer_school_2011@usi.ch

Further information can be found at:
www.thinkswiss.org/summer_school_2011

