2nd Training School, Belgrade 2018
Retrofitting Facades for Energy Performance Improvement

Introduction / Background:

Reductions in building energy consumption and carbon dioxide emissions are two of the most important challenges facing the building industry. These must be addressed in a cost effective manner and without compromising occupant comfort and well-being. Building envelopes are of paramount importance and can play a key role in achieving the EU climate change and energy sustainability targets for 2020 whilst enhancing the wellbeing of citizens.
Highly adaptive facades offer unprecedented opportunities to reduce energy demand and improve indoor environmental quality and they are therefore crucial to the 2020 Net Zero Energy/Emission Building target and beyond. The workshop will develop concepts for one office building and one residential building in the city-center of Belgrade.

For further information please visit the Action website, www.tu1403.eu.

Training School

Location: University of Belgrade, Faculty of Architecture, Serbia (https://www.arh.bg.ac.rs)
Dates: 03-07 September 2018
Local organiser: Prof. Dr. Aleksandra Krstić-Furundžić

The Training School will involve lectures from leading international experts in the field of adaptive building facades. Topics will include:

- The state of the art,
- Conceptual design,
- Materials and technologies,
- Modelling and simulation,
- Operation and performance evaluation.

In addition to lectures there will be a PhD colloquium and workshop session aimed at supporting new PhD students in the development of research methodologies and scientific writing. After the workshop you will be asked to rethink your research ideas and produce a new poster which will be published in the proceedings of the Training School.

Finally there will be three-day collaborative design exercise, with experts on hand to provide guidance and support.

Full details of the technical programme and speakers will be available nearer the time on the COST action website, www.tu1403.eu/

COST is supported by the EU Framework Programme Horizon 2020

Who should attend?

The Training School is aimed at new PhD students and final year Master students of different background (e. g. architecture, engineering, building physics), who have a research interest in facade design and engineering, and adaptive facades in particular.
You will get the opportunity to learn more about the design process and the evaluation and validation of the developed concepts and be able to meet fellow researchers from other European universities for networking.

Application process

In order to apply you are asked to complete the Application Form below. Successful applicants will also be asked to prepare a poster on your PhD topic and complete an extended abstract.

International PhD & Master's students:
Please send your completed application form to
trainingschool2018@tu1403.eu

Belgrade PhD & Master's students
Please send your completed application form to
akrstic@arh.bg.ac.rs

APPLICATION DEADLINE: 15 MAY 2018

Selection process and Grants

An international Scientific Committee will select the successful candidates.

Up to 25 grants of €500 each are available to the best PhD and master's students, in order to help fund your registration fee, travel, accommodation and living expenses.

Grants can only be awarded to students enrolled in institution from eligible countries.
Grants include a reimbursement of the registration fee 100 €, plus 400 €.

Apart from this, 20 Belgrade PhD & Master's students can participate in the training school (not under the grant option).

Registration fee

International PhD and Master's students – 100€
The registration fee includes entrance to all lectures, the workshop, excursion (visit to locations for case studies), coffee breaks and lunch, welcome dinner, and handouts.

Belgrade PhD and Master's students – 50€
The registration fee includes entrance to lectures, workshop, excursion, coffee breaks, welcome dinner, and handouts.

Travel and accommodation

Successful candidates are expected to arrange their own travel and accommodation.
Hotel recommendations and arrangements are available on the website, www.tu1403.eu/

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Application form for PhD and Master's students

Personal details

Name

Address 1

Address 2

Address 3

Postcode

Country

Contact telephone number

Email address

Nationality

Academic qualifications

University attending

PhD topic / Master focus

PhD supervisor(s) / Program attending

Undergraduate degree / University

Further qualifications

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Specific experience with computer analysis / design software (eg AutoCAD, Revit, Sketch-Up, Ansys, Bisco / Therm etc)

Describe your research topic (or research intentions) in max. 250 words,

Please send completed applications to trainingschool2018@tu1403.eu .
Successful applicants will be notified by 15 June 2018.

APPLICATION DEADLINE: 15 MAY 2018

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