

# Adaptive Facades

Training School

Belgrade 2018



**Location:** Belgrade, Serbia

**Local Organizer:** University of Belgrade,  
Faculty of Architecture  
Prof. Dr. Aleksandra Krstić-Furundžić

**Dates:** September 03 - 07, 2018

**Program:**

## Training School Lectures

Design Phases for Adaptive Facade Systems:

- Conceptual Design, Materials and Technologies
- Performance Evaluation and Mock Ups & Testing
- Modelling/Numerical Simulation

## PhD Colloquium, Technical Visits & Workshop

Learn from Colleagues, Professionals and Demo's



<http://www.evolo.us/architecture/beton-hala-waterfront-an-open-landscape-for-belgrade-erik-giudice-architects/>

## Places available

25 international PhD & Master's students (30 grants by COST for the best applications)  
20 Belgrade PhD & Master's students

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## Training School

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### Objective:

The Training School aims at educating students in Adaptive Facade Systems by the leading international experts in the field.

In addition, students 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.

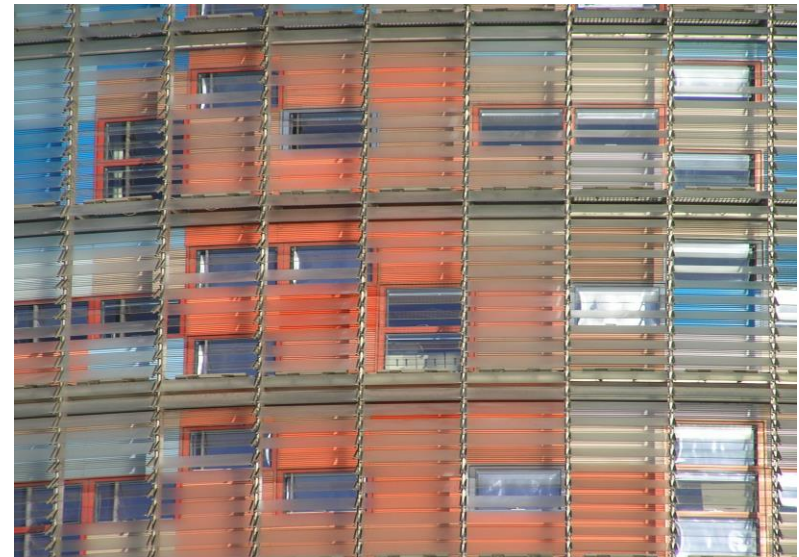
### Who should attend:

The Training School is aimed at new PhD students and final year Master students of different background (architecture, engineering, building physics), who have a research interest in facade design and engineering, and adaptive facades in particular.

### Registration fee:

**International PhD students / 100 €** (entrance to all lectures, workshop, excursion, coffee breaks and lunch, welcome dinner, and handouts)

**Belgrade PhD & Master's students / 50 €** (entrance to lectures, workshop, excursion, coffee breaks, welcome dinner and handouts)



Double Skin facade - Agbar Tower, Barcelona, Spain. Photo: Aleksandra Krstić-Furundžić

### Detailed Technical Program & Speakers:

Details will be made available in due time on the website of COST action:

<http://tu1403.eu/>

### Travel and accommodation:

Successful candidates are expected to arrange their own travel and accommodation.

Hotel recommendation and arrangements will be available in due time on the website:

<http://tu1403.eu/>

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COST is supported by the EU Framework Programme Horizon 2020



## How to apply:

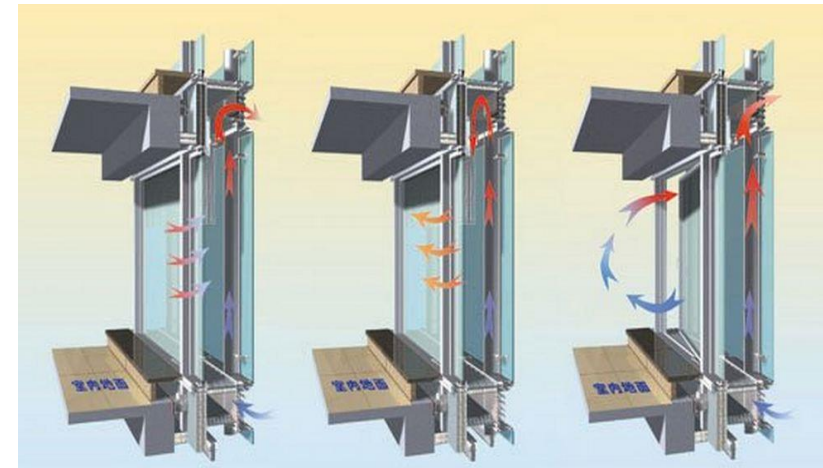
The application form can be downloaded from the COST Action website, <http://tu1403.eu/>

### International PhD students:

Please send your completed application form to [trainingschool2018@tu1403.eu](mailto:trainingschool2018@tu1403.eu)

### Belgrade PhD & Master's students:

Please send your completed application form to [akrstic@arh.bg.ac.rs](mailto:akrstic@arh.bg.ac.rs)



Double Skin facade – ventilation and shading; Source : <https://iitbuildingscience.files.wordpress.com/2013/10/4-2.jpg>

## Important Dates:

May 15, 2018

June 15, 2018

September 03-07, 2018

Application deadline

Notification of acceptance

Training School

## Selection & Grants:

An international Scientific Committee will select the successful candidates.

25 international PhD students will be rewarded with a COST grant (value 500 €).

Grants include a reimbursement of the registration fee, plus 400 € to reduce travel expenses.

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## Training School

### Belgrade 2018



### Tentative Schedule:

<b>Participants</b>	25 PhD and Master's students from Europe ( Grant from COST Action )				
	20 Belgrade PhD & Master's students (skills in Architecture, Engineering, or Building Physics)				
<b>Time</b>	<b>Monday 03.09.2018</b>	<b>Tuesday 04.09.2016</b>	<b>Wednesday 05.09.2016</b>	<b>Thursday 06.09.2016</b>	<b>Friday 07.09.2016</b>
<b>Morning</b>	Lectures <b>Adaptive Facade Development Phase 1</b> Conceptual Design; Material & Technology	Lectures <b>Adaptive Facade Development Phase 2 and 3</b> Performance evaluation; Mock Ups & Testing; Modelling/Numerical simulations	<b>Workshop "Retrofitting Facades for Energy Performance Improvement" / Working in Groups</b>  Definition and consideration of facade concept	<b>Workshop "Retrofitting Facades for Energy Performance Improvement" / Working in Groups</b>  Elaboration of facade concept by digital simulation and modellmaking	<b>Workshop "Retrofitting Facades for Energy Performance Improvement" / Working in Groups</b>  Detailing of facade concept and preparing final presentation
<b>Afternoon</b>	PHD progress reports feedback & discussion  ECI Workshop and Teambuilding	Simulation Approaches  <b>Workshop introduction</b>  Excursion Visit to locations for case studies	Definition and consideration of facade concept  Concept Presentation	Elaboration of facade concept by digital simulation and modellmaking	Detailing of facade concept and preparing final presentation  <b>Final public presentations</b>
<b>Evening</b>	<b>Welcome Dinner</b>				