facade2015

Nov. 27th // COMPUTATIONAL OPTIMISATION

In the last few decades, information technology has brought about lasting changes to design and production processes. At the same time, our demands on design and building processes have increased in line with technical possibilities. Aside from unprecedented geometrical freedom, there is huge potential to optimize functions, energy and performance of constructions, buildings and services.

Buzz words like Big Data, Industry 4.0 and The Internet of Things already point towards the next Digital Revolution. So what does this mean for building envelopes and their planning and building processes? How can an ever increasing network of information contribute to an optimization of today's designs and constructions?

These issues will be addressed at the conference **facade2015** which will follow the same sequence, as the main phases of building development: planning, construction and operation. The potential, chances and risks of progressive digitalization with respect to the the building envelope will be at the center of conference discussions.

| 8.30 | Registration |
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| 9.00 | Welcoming & Introduction |
| | Uta Pottgiesser, HS-OWL, Dean |
| | Jens Böke, HS-OWL |
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| | Design |
| 9.15 | Digital tools |
| | Martina Bauer, Barkow Leibinger; Berlin |
| 10.00 | A comforting talk |
| | Uli Horner & Jeroen Janssen, AKT II Envelopes; London |
| 10.30 | Beyond the skin |
| | Anthony Chen, Gehry Technologies; Hongkong |
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| 11.00 | Coffee break |
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| | - Fabrication |
| 11.45 | It's all prototypes |
| | Hans Sachs, HS-OWL; Detmold |
| 12.30 | File to factory: parametric façades |
| | Patric Günther, Schüco International KG; Bielefeld |
| 13.00 | Parametric design and engineering |
| | Paul Rouwen Denz, Priedemann Fassadenberatung GmbH; Berlin |
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| 13.30 | Lunch break |
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| | In use |
| 14.30 | Adaptive building envelopes |
| free man | Susanne Gosztonyi, Lund university; Lund |
| 15.15 | ThinkingSkins |
| | Christian Moellering, RWTH Aachen; Aachen |
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Registration:

www.werkstatt-emilie.de/weiterbildung/anmeldung anmeldung@werkstatt-emilie.de, deadline 11. November 2015 Changes or cancellation are subject to alterations by the organiser

Fees:

150 €

100 € members german chamber of architecture 80 € members Hochschule OWL / members EFN 25 € students / graduates of Hochschule OWL

Venue: Casino, Campus Emilie, Emilienstraße 45, 32756 Detmold, Germany www.hs-owl.de/fb1/service/anfahrt-kontakt.html

Homepage: http://www.hs-owl.de/fb1/forschung/construction-lab/veranstaltungen/facade2015.html

Hochschule Ostwestfalen-Lippe University of Applied Sciences

Detmolder Schule für Architektur und Innenarchitektur Lucerne University of Applied Sciences and Arts

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