

NE-XT Facades

Architekturmuseum München

07.11.2017

Event Programme

08.30 Reception

08.45 Opening

09.00 – 09.30 Introduction Lecture “From technology to architecture”

Frank Kaltenbach – Redaktion DETAIL

09.30 – 11.00 Session 1 – New Functionalities

Desired morphology in energy capture and storage advanced facades

Mark Alston - University Salford

Connected glass for adaptive facade design

Andrea Pilla - Politecnico di Milano

Solar thermal venetian blinds – transparency, user comfort and solar energy in one

Stefan Lips - AGC INTERPANE Glas Deutschland GmbH

Modular element façade renovation with integrated duct design

Paul Denz - Facade Lab GmbH

Modular element façade renovation with integrated duct design

Zemitis Jurgis - Riga Technical University

Architectural concepts of an adaptive solar facade as retrofit and building integrated solutions

Ioanna Stavrou - ETH Zürich

11.00 – 11.30 Coffee Break

11.30 – 13.00 Session 2 – Digital Environments

From passive to active – the building enclosure’s role in sustainable design

Roman Schieber - Knippers Helbig Advanced Engineering

Interactive knowledge-bases to support façade design

Jacopo Montali - University of Cambridge

Characterization of adaptive opaque facades

Juaristi Miren - University of Navarra

An advanced integrated simulation procedure to evaluate the performance of adaptive glazings

Fabio Favoino, PhD MSc CEng MCIBSE- Politecnico di Torino

Towards the application of adaptive glazing systems

Marzena Husser – ILEK, University of Stuttgart

13.00 – 14.00 Lunch Break



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14.00 – 15.30 Session 3 – Climate Response

Evaluation of adaptive facades: A case study with electrochromic glazing

Shaddy Attia - SBD Lab, Université de Liège

Research on contemporary climatically active solar facades and advanced material solutions

Miroslav Čekon - Brno University of Technology

Integrated solutions for daylight management systems

Lazarus Tsartsidis - MHZ Hachel GmbH

Solar energy balanced facade

Thomas Wüest MSc CEng. - Lucerne University of Applied Sciences and Art

The architecture of the well-tempered environment 2.0

Matthias Rudolf - ABK Stuttgart/Transsolar

15.30 – 16.00 Afternoon Networking Break

16.30 – 18.00 Session 4 – The Architectural Challenge

The dream of daylight – water flow glazing

Daniel Pfanner - Bollinger + Grohmann

Preadaptation - knowledge-based design & engineering applications

Jürgen Heinzl – Senior Architect UN Studio, Knowledge-based Design & Engineering

Adaptive building envelopes and structures for tomorrow's built environment

Walter Haase - Institute for Lightweight Structures and Conceptual Design

18.00 – 19.00 Panel Discussion

19.00 Drinks and Networking

