

			10:00 - 10:15					
Intro			Room C 62 a b					
			10:15 - 11:00					
Key Note Speech Prof. Matthias Sauerbruch Sauerbruch Hutton			Room C 62 a b					
			11:00 - 11:30					
Coffee Break			Foyer					
ENVIRONMENT Room C 61 Session I Chairman Prof. Dr.-Ing. Ulrich Knaack			Envelope Room C 62 a Session I Chairman Prof. Dr.-Ing. Jens Schneider			Energy Room C 62 b Session I Chairman Prof. Dipl.-Ing. Thomas Auer		
11:30 - 11:50			11:30 - 11:50			11:30 - 11:50		
Auxetic Structures and Advanced Daylight Control Systems	Ph.D. Yun Kyu Yi	University of Illinois at Urbana-Champaign USA	Bio-inspired Transparent Microfluidic Platform as Transformable Networks for Solar Modulation	Asst. Prof. Ph.D. Mark Alston	University of Nottingham UK	Three Case Studies of a Prefabricated Window Element for Refurbishments	M.Sc. Vesna Pungercar	Technical University of Munich GER
11:50 - 12:10			11:50 - 12:10			11:50 - 12:10		
The Plug-n-Harvest Façade: A Second Skin with Active and Passive Components	M.Sc. Verena Dannapfel	RWTH Aachen University GER	Market Survey of Timber Prefabricated Envelopes for New and Existing Buildings	Ph.D. Annalisa Andaloro	European Research Academy ITA	Fluidglass – The Energy Efficient Glass Façade	Prof. Dr.-Ing. Jochen Stopper	Technical University of Applied Sciences Rosenheim GER
12:10 - 12:30			12:10 - 12:30			12:10 - 12:30		
Façades: Past, Present and Future – Marking 50 Years of Continuous Development	Ph.D. Justin Furness	FAECF UK	Automated Digital Workflows for Façade Detailing and Manufacturing	Dipl.-Ing. Martin Manegold	Imagine Computation GER	Active Moisture Control of Façades by Smart Ventilation System	Dr. Thomas Löwenstein	Deutsche Amphibolin-Werke GER
12:30 - 12:50			12:30 - 12:50			12:30 - 12:50		
Impacts on the Embodied Energy of Rammed Earth Façades During Production and Construction Stages	M.Sc. Lisa Nanz	Technical University of Munich GER	One-and-a-Half Skin Glass Façade	Prof. Dr. Alberto Raimondi	Università di Roma Tre ITA	A Study on the Impact of Climate Adaptive Building Shells on Indoor Comfort	M.Sc. Adele Ricci	University of Bologna ITA
12:50 - 13:10			12:50 - 13:10			12:50 - 13:10		
Comparative Overview on LCA Software Programs for Application in the Façade Design	M.A. Rebecca Bach	RWTH Aachen University GER	4D-Adaptive Textile Building Skin	M.Sc. Jan Serode	RWTH Aachen University GER	Reliability and Performance Gap of Whole-Building Energy Software Tools in Modelling Double Skin Façades	M.Sc. Elena Catto Lucchino	Norwegian University of Science and Technology NOR
			13:10 - 14:00					
Lunch Break			Foyer					
ENVIRONMENT Room C 61 Session II Chairman Prof. Dr. Alberto Raimondi			Envelope Room C 62 a Session II Chairman Prof. Dr.-Ing. Frank Wellershoff			Energy Room C 62 b Session II Chairman Prof. Dr.-Ing. Madjid Madjidi		
14:00 - 14:20			14:00 - 14:20			14:00 - 14:20		
Novel Technologies to Assure As-Designed Solutions for Energy-Efficient Refurbishment Scenarios	Ph.D. Benedetta Marradi	University of Pisa ITA	ArKol – Development and Testing of Solar Thermal Venetian Blinds	Dipl.-Ing. Paul-Rouven Denz	Priedemann Facade-Lab GER	A Simulation-Based Framework Exploring the Controls for a Dynamic Façade with Electrochromic Glazing	Ph.D. Abolfazl Ganji Kheybari	TU Kaiserslautern GER
14:20 - 14:40			14:20 - 14:40			14:20 - 14:40		
SMP Prototype Design and Fabrication for Thermo-Responsive Façade Elements	Assoc. Prof. Jungwon Yoon	University of Seoul KOR	4dTEX – Exploration of Movement Mechanisms for 3D-Textiles Used as Solar Shading Devices	Prof. Dipl.-Ing. Claudia Lüling	Frankfurt University of Applied Sciences GER	Optimization of Twisted Vertical Louvers Based on Artificial Neural Networks	B.Sc. Liu Siwei	South China University of Technology CHN
14:40 - 15:00			14:40 - 15:00			14:40 - 15:00		
Materiality and Embodied Carbon Considerations in Contemporary Curtainwall Systems	Ph.D. Mic Patterson	Façade Tectonics Institute USA	Parametric Poetry - Integrated Solutions for Complex Geometries with Structure and Skin	M.A. Rangunath Vasudevan	Schneider + Schumacher Design & Computation GER	Parameters to Design Low-Tech Strategies	Dipl.-Ing. Elisabeth Endres	Ingenieurbüro Hausladen GER
15:00 - 15:20			15:00 - 15:20			15:00 - 15:20		
Adaptive Bricks: Potentials of Evaporative Cooling in Brick Building Envelopes to Enhance Urban Microclimate	Dr.-Ing. Philipp Molter	Technical University of Munich GER	Parametric Penrose Tiling – Innovative Exterior Shading Skins	Ph.D. Wilfried Laufs	Laufs Engineering Design GER	Trombe Curtain Wall Façade	Prof. Dr. Andreas Luible	Lucerne University of Applied Sciences and Art CHE
15:20 - 15:40			15:20 - 15:40			15:20 - 15:40		
A Visual Digital Tool to Assist the Concept Design of Façades	Ph.D. Giovanni Zemella	Arup UK	Development of a Holistic Performance Approach for Façade Design	M.Sc. Sinem Kültür	Bahçeşehir University TUR	3D Heat Transfer Analysis: A Parametric Tool for Designers	M.Sc. Alessandro Baldini	Eckersley O'Callaghan UK
			15:40 - 16:15					
Coffee Break			Foyer					
			16:15 - 17:00					
Key Note Speech Prof. Neil Thomas Atelier One			Room C 62 a b					
			17:00 - 17:30					
Outro			Room C 62 a b					