## **CRC 1244 SYMPOSIUM - ADAPTIVE SKINS AND STRUCTURES**

## Adaptive Skins and Structures

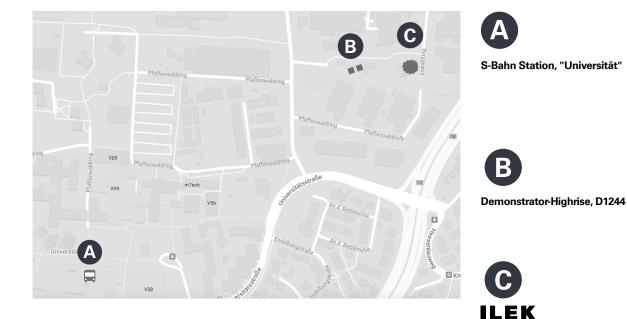
Monday, 25. Nov. 2024, 14:00-20:30

Tuesday, 26. Nov. 2024, 09:30-18:00

## ILEK

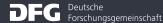
Institute for Lightweight Structures and Conceptual Design Pfaffenwaldring 14, 70569 Stuttgart, Germany

Area Map - Event Location (ILEK)



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25.11.2024 14:00 - 20:30	26.11	.2024 09:30 - 18:00				
Opening (ILEK)	09:30	Registration (ILEK)		Invited	Speakers	
<ul> <li>14:00 Arrival</li> <li>14:30 - CRC 1244 Presentation</li> <li>15:00 Prof. Oliver Sawodny Prof. Lucio Blandini</li> </ul>	09:50	JCTUREs Adaptive Structures	Prof. Manfred Bischoff	14:30	Challenges and Solutions for Facades of the Future	Prof. Ulrich Knaack Dr. Alessandra Navarro Prof. Michael Kraus (TU Delft, TU Darmstadt)
	10:10	Design Synthesis of High- performance Structure- actuator Systems	Dr. Gennaro Senatore Dr. Arka Reksowardojo	15:00	Coffee Break (ILEK)	
15:15 Visit of D1244	10:30	Computational Design and Analysis Methods for Adaptive Structures	Mathias Maierhofer and Lisa-Marie Krauß	CON	<b>FROL + OPERATION</b>	
16:45 Coffee Break (ILEK)	10:50	Integrated Fluidic Actuators	Markus Nitzlader and Matthias Bosch	Hardening Process with	Optimal Control of Concrete Hardening Process with	Prof. Thomas Meurer, KIT
	11:10	The Adaptive Ribbed Slab S1244	Dr. Gennaro Senatore Prof. Matthias Kreimeyer		Reduced Order Models	
Opening Keynotes (ILEK) Invited Speaker			16:00	Control of Adaptive Structures	Dr. Spasena Dakova	
17:30 James Carpenter 18:00 Gustav Düsing	11:30	Recent Developments in the Design of Long Span Bridges for Railway Crossing	Prof. Fabio Casciati University of Pavia	16:15	Fault Diagnosis of Adaptive Structures	Jonas Stiefelmaier
18:30 Discussion	12:00	Lunch (ILEK)		16:30	Visual Monitoring and Analysis of Adaptive Structures (and Skins)	Michael Becher
19:00 Get Together (ILEK)	<b>SPAC</b> 13:00	<b>CEs and SKINs</b> Adaptive Architecture	Prof. Mona Mahall Bauhaus University, Weimar Prof. Martin Ostermann	16:45	ThermoSPACE: Design and Control of a Carbon-neutral Heat Storage System	Anja Rentz and Dr.Marc Linder
	•			17:00	Control of Adaptive Facades	Melanie Gschweng
	13:20	HydroSKIN: Facade-integrated Rainwater Harvesting and Evaporative Cooling	Dr. Walter Haase and Dr. Christina Eisenbarth	17:15	Lifecycle Engineering of Adaptive Skins and Structures	David Borschewski
	13:40	InterSPACE: Transboundaries in Architecture	Hisham El-Hitami	<b>Closi</b> 17:30	ng Keynote	Prof. Werner Sobek
	13:55	KineticSKIN: Dual-Wing Facade for Solar Harnessing and User Controlled Daylighting	JunProf. Maria Matheou and Moon Young Jeong	17.50		TTOI. Weiner Sober
	14:15	CoolSKIN: Development of a Novel Facade-Integrated Solar Cooling System	Dr. Micha Schäfer			





