AdvanceAEC Autumn School 2022 > Workshops

AdvanceAEC Autumn School Workshops				11.10.22
Nr.	**Partner**	**Field**	**Topic**	**Nr. of Participants**
1	**Cluster of Excellence IntCDC** Institute for Social Sciences, University of Stuttgart	Social Sciences	Ways of Robust Automation	5 to 10
2	**Cluster of Excellence IntCDC** Institute for Computational Design and Construction (ICD), University of Stuttgart; Visualization Research Center (VISUS), University of Stuttgart	Robotics	Instructive Human Robot Collaboration and Multi-Actor task sharing in timber prefabrication	up to 16
3	**SFB ACD** TU Wien	Interface architecture/ informatics	From point cloud to materialized point structure: Creation of 3D printed ceramic objects designed via manipulation of 3D point-clouds encoded as 2D images.	10 to 20
4	**SPP 2187** Institute of Concrete Structures, Ruhr University Bochum	Concrete design	Freely shaped reinforced concrete design	8 to 16
5	**SFB/TRR 280** TU Dresden; RWTH Aachen	Carbon concrete structures	Botanical and mathematical principles for inspiring design of carbon fibre reinforced concrete	20
6	**TRR 277** TU Braunschweig; TU München	Manufacturing	"Additive Manufacturing in Construction: In situ Retrofitting Using AM with Mobile Robots"	5-10
7	**SFB 1244** University of Stuttgart	CRC 1244 results about adaptive skins and structures.	participation in the Conference „Adaptive Skins and Structures for the Built Environment of Tomorrow"	ca. 40
8	**NCCR Digital Fabrication** ETH Zürich	Computation	COMPAS - A framework for computational research in architecture and structures	10 /40
9	**Cluster of Excellence IntCDC** Institute for Computational Design and Construction (ICD), University of Stuttgart	Machine Learning	ML meets AEC / Machine Learning meets Architectural Engineering and Construction	15 to 25