



**CONSTRUCTION
ROBOTICS**



June 20 - 24, 2022

Open minds meet open campus

**Invitation to presentations and discussions
at the construction site of the future**

Knowledge

Research and teaching at the reference construction site

Monday June 20, 2022

09.30 am	Welcome of participants of the Worldskills Digital Construction Championship for the state of Northrhine-Westfalia (NRW) - Ralf Mosler (Autodesk), Dill Khan (Worldskills Germany) and Prof. Dr. Sigrid Brell-Cokcan (IP RWTH)	11.00 am	Teaching unit on the “Robeton” research project: Automated demolition and deconstruction of concrete - Joo Lee and Christoph Heuer (both IP RWTH)
10.00 – 1:00 am	Worldskills Digital Construction Championship for NRW, Part I	12.00 am	Best-of-C&R-Master presentations - Prof. Dr. Jakob Beetz (CAAD RWTH), Prof. Dr. Sigrid Brell-Cokcan, Thomas Adams and Christoph Heuer (all IP RWTH)
10.30 am	Brief introduction to the international and interdisciplinary master’s program Construction & Robotics - Prof. Dr.-Ing. Stefanie Reese (Dean of the Faculty of Civil Engineering) and Prof. Dr. Sigrid Brell-Cokcan	01.00 – 03.00 pm	Builders’ Barbecue Graduation celebration with students of C&R Master, RWTH and CCR members and guests
		02.00 – 05.00 pm	Worldskills Digital Construction Championship for NRW Part II

Tuesday, June 22, 2022

09.30 am	Welcome coffee	12.00 am	Lunch break
10.00 am	Welcome and grand opening - Prof. Dr. Dr. Ulrich Rüdiger (Rector RWTH and patron of the Open-Campus-Week)	01.00 pm	Teaching unit, demonstrator and evaluation of the “Pilot Project Reference Site Campus West”: Automated deconstruction, participants from the Hamm Training Center of the Bauindustrieverband NRW - Eike Stührenberg, Joo Lee (both IP RWTH) and Christian Haas (ifas RWTH)
10.15 am	Welcome Minister Ina Scharrenbach - (Minister for Heimat, Kommunales, Bauen und Gleichstellung NRW)		
10.30 am	Award ceremony Worldskills Digital Construction Championship for NRW - Minister Ina Scharrenbach and Prof. Beate Wiemann (General Manager of the Bauindustrieverband NRW)		
11.00 am	A brief portrait of the “Pilot Project Reference Site Campus West”: Cooperative teaching with the Bauindustrieverband NRW	01.00 pm	Consortium meeting “Internet of Construction” - Prof. Dr. Sigrid Brell-Cokcan, Thomas Adams and Lukas Kirner (all IP RWTH)
11.30 am	Welcome of the consortium members and brief portrait of the BMBF research project “Internet of Construction” (IoC) - Prof. Dr. Sigrid Brell-Cokcan and Christian Wurst (President of the Deutscher Stahlbau-Verband DSTV),		Conclusions of the project: working group reports and result transfer
		06.00 pm	Get together IoC project partners

Exclusive for Internet of Construction project partners

Network

Internet of Construction & Center Construction Robotics

Wednesday, June 22, 2022

09.00 am	Welcome and opening of the closure ceremony of the Internet of Construction research project - Tom Wünsche (Bundesministerium für Bildung und Forschung)		Helga Kühnhenrich (BBSR), Johannes Brühl (MHKBG), Prof. Dr. Robert Schmitt (WZL RWTH) and Prof. Dr. Sigrid Brell-Cokcan (IP RWTH) Moderation: Eva Maria Herrmann
09.15 am	Presentation of IoC research results - Prof. Dr. Robert Schmitt (WZL RWTH) and Prof. Dr. Sigrid Brell-Cokcan (IP RWTH)	01.00 pm	Lunch break
09.45 am	Live presentations of the IoC demonstrators	02.00 pm	Introduction of the Production Engineering profile area and the Construction Cluster (Center Management BIM Center Aachen, Building and Infrastructure Engineering, Factory Planning and Mobile Machinery)
10.45 am	Coffee break	02.30 pm	Tour de Campus (WZL and Robotics Hall): Where does construction research take place on campus? - Prof. Dr. Sigrid Brell-Cokcan
11.00 am	Welcome the new CCR members and presentation of current projects - Prof. Dr. Sigrid Brell-Cokcan (IP RWTH)		Tour de Pop-up-Campus (A Zukunft Bau initiative) - Helga Kühnhenrich (BBSR)
11.30 pm	Open minds meet open campus Panel on transformation of construction and of buildings in inventory Jürgen Raschendorfer (PORR AG), Valérie David (EIFFAGE SE), Jörn Weichsel (LEONHARD WEISS GmbH & Co. KG), Tom Wünsche (BMBF),	06.00 pm	Get together Center Construction Robotics and BBSR at the reference construction site

Impact

Results and visions

Thursday, June 23, 2022

9.00 am	From Modular to circular: Shift happens - Prof. Markus Kuhnhenne (Stb RWTH) und Sebastian Möller (Project Lead Campus GmbH)
9.30 am	CCR Center Meeting, Prof. Dr. Sigrid Brell-Cokcan und Victoria Jung (both IP RWTH)
	Project meetings on current industry projects and sovereign projects
	“Enable Sanierung 4.0”, Christoph Heuer “Robeton”, Christoph Heuer “5G.Namico”, Joo Lee

Friday, June 24, 2022

9.30 am	Welcome coffee Construction & Robotics Master students meet the industry
10.00 am	Live demonstrations held by the CCR members, e.g. RIEGL 3D Laser Scanner
11.00 am	Internal workshops and farewell

In cooperation with partners and supporters below

Center Construction Robotics



Additional funders of the reference site and the projects of the master’s program Construction & Robotics



Pilot project Referenzbaustelle Campus West



Project partners



Associated partners



Internet of Construction



This research project is funded by the German Federal Ministry of Education and Research (BMBF) in the program „Future of Value Creation - Research on Production, Services and Labor“ and supervised by the Project Management Agency Karlsruhe (PTKA).

Project partners



Associated partners



Enable Sanierung 4.0

Ministerium für Heimat, Kommunales,
Bau und Gleichstellung
des Landes Nordrhein-Westfalen



Project partner



Associated partner



Robeton



The research project ROBETON of the innovation program Zukunft Bau is funded by the granting authority and project management agency for construction, urban and spatial research (BBSR) at the Federal Office for Building and Regional Planning (BBR).

Project partners



Associated partners



5G.Namico

Ministry of Economic Affairs,
Innovation, Digitalization and Energy of the
State of North Rhine-Westphalia



Project partners



Associated partners



Many thanks to our event partners



Construction Cluster



Please register your participation for the specific day by
06. Juni 2022 at office@construction-robotics.de

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