

TIMBER BOT

Timberbot

Berlin is poised to become a timber construction centre-of-excellence by 2030 and we want to promote this development. In addition to the establishment of the wood industry, 5000 timber-built apartments are to be constructed at the old Tegel Airport in the Schumacherquartier.

The TimberBot is set to become the leading trade fair for showcasing robotics and automation in the engineered timber industry. To this end, we will have 6-8 experts from both R&D and the private sector to speak at this hybrid event. Our speakers from Austria, Switzerland, Germany, Canada and the USA will present knowledge and best practices.



TIMBERBOT

Hybrid Event (3-G Rules) Life Stream via Zoom



Networking at the Event



Location (3-G Rules)



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Timeline 10.12.2021

Life Stream and Networking at the Event

12:00 Welcome by Dipl. Ing. Andreas Lerge and Christina Reimann
12.30 Prof. Dr. Phillip Boutellier

Life Stream Zoom and Networking at the Event

13:00 Prof. Alexander Evensmann
13:30 Sascha Schade
14.00 Prof. Dr. Arash Adel
14:30 CEO Alexander Leidorf

15:00 – 15:30 Lunch Break / Networking

16:00 Dr. Vanessa Just
16:30 CEO Oliver Lang / Oliver David Krieg
17:00 (Open)
17:30 Networking
19.45 End of the Event

Registration, booking and payment: www.timberbot.de
490,00 € zzgl. Mwst. (19%)
583,10 € Total

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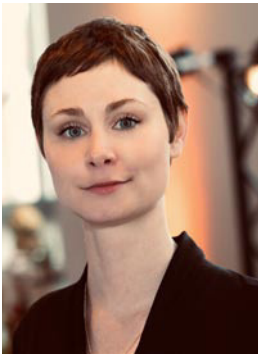
Dipl. Ing. Andreas Lerge

CEO Wood Real Estate / CEO HN Holzbau Netzwerk Deutschland

Andreas Lerge is the managing director and founder of Wood Real Estate GmbH and the HN Holzbau Netzwerk Deutschland. During his education as a carpenter he was able to study the art of timber construction in Switzerland, Germany and Austria. He studied architecture and worked for BMW and TUM Munich. Since 2017 he has also been working as a real estate developer in social housing construction. Andreas is a consultant and advisor for investors, builders and finance institutions for timber construction and ESG-Strategies.

He is interested in the automation of the timber industry worldwide and promotes timber construction and high rise timber buildings.

www.wood-real-estate.de www.holzbau-netzwerk.de www.high-wood-sytsem.com www.timberbot.de



Christina Reimann

Head of technical consulting at the Association of the German Sawmilling and Timber Industry

Christina Reimann is head of technical consulting at the Association of the German Sawmilling and Timber Industry (Deutsche Säge- und Holzindustrie Bundesverband e. V.). She holds a degree in wood technology from the TH Rosenheim. After working as a technical employee at Holzforschung München, of the Technical University of Munich, she joined the association in 2016. As the person in charge of research and development, the continuous further development of products and processes in the sawmilling and timber industry is at the centre of her work. She is also active in a number of international standardisation committees in order to make the knowledge gained from research and development applicable in practice.



Prof. Dr. Philipp Bouteiller

CEO Tegel Projekt GmbH

Philipp Bouteiller has been managing director of Tegel Projekt GmbH since 2012 and is responsible for Europe's largest development project around urban tech and smart cities: repurposing the entire inner-city airport Berlin Tegel into Europe's central hub for future technologies, with space for 1,000 companies, 6,000 students and 6,000 residential units for 12,000 people in a new climate positive district, all powered by smart and sustainable technologies. Since 2019 he also teaches at the Exponential University Potsdam as part of a professorship for Digital Business and Smart Cities. Philipp Bouteiller is a graduate of the University of the Arts Berlin (HdK Berlin) and holds a Master of Science degree from the London School of Economics and Political Sciences, followed by a doctorate in International Management and Social Psychology. He worked at the consulting firm McKinsey & Co, Inc., as well as an IT entrepreneur and strategy consultant. He lives with his family in Berlin.





Prof. Phillip Eversmann

Phillip Eversmann is a registered architect in Munich and a professor at the University of Kassel, where he directs the Department of Digital and Experimental Design and Construction. He was Head of Education at the National Center of Competence in Research NCCR Digital Fabrication at ETH Zurich from 2014 to 2016, where he created a new master's programme focused on robotic technologies in Architecture. As a visiting professor, he directed architectural research classes at the EPF Lausanne from 2011 to 2014, at the Ecole Spéciale d'Architecture in Paris from 2011 to 2014, and at the TU Munich from 2012 to 2014.



Sascha Schade

Dipl.-Ing. Dipl.-Ing., Roboticist and timber construction specialist
Deputy Head of Production, ERNE AG Holzbau, Laufenburg / Switzerland

As a digitization expert and robotics specialist with a strong timber construction background, Sascha Schade designs and develops the processes and automation solutions at ERNE AG Holzbau, Switzerland. With highly qualified specialists in the field of robotics, software and timber construction, individual solutions with batch size 1 can be manufactured with guaranteed quality thanks to industrial production. The fully digital chain is mastered by ERNE AG Holzbau and the high degree of prefabrication reduces the complexity on the construction site. Individual solutions have become possible through robotics and automation.



Prof. Dr. Arash Adel

Assistant Professor of Architecture / University of Michigan

Dr. Arash Adel is an Assistant Professor of Architecture at the University of Michigan, where he directs the AdR Laboratory. Adel's interdisciplinary research is at the intersection of design, computation, engineering, and robotic construction. He is particularly known for his work with novel integrative computational design methods coupled with robotic assembly techniques for manufacturing nonstandard multi-story timber buildings. He has extensively lectured, and his work has been on exhibit at various galleries, institutions, and events, including the ACADIA conference, the AIA National Design Week in Spokane, the Museum of Arts at WSU, the Harvard Graduate School of Design, and the Middle East Technical



Alexander Leidorf

Back in 2015, Alexander Leidorf broke completely new ground in timber construction. His startup - Leidorf GmbH (www.Leidorf.com) - uses a 40-meter-long robotic CNC system for the joinery of large-format wood materials such as CLT, LVL and BauBuche. After studying wood technology in Rosenheim, the trained master carpenter was able to gain more than 10 years of experience in the production management of a large timber construction company. He was able to combine this wood construction experience with robotics, which has been used in automotive construction for decades. Leidorf offers not only innovative technology but also an extremely high degree of flexibility. The robot does not care whether it processes round, triangular or polygonal components. In addition, Leidorf offers further prefabrication steps already at the factory, such as the installation of plasterboard cladding, windows and doors or facades. His company in the „wood valley Altheim“ thus covers the entire value chain from raw material procurement to timber construction planning, joinery of the prefabricated parts, prefabrication in the factory and delivery to the construction site.



Dr. Vanessa Just

Dr. Vanessa Just is founder and CEO of juS.TECH AG in the area of sustainability & technology and also works at team neusta as AI strategist. juS.TECH AG is a management consultancy and develops applications in the field of artificial intelligence with a strong focus on sustainable digitalization. In addition, she is active as regional manager North as well as in the working group „Sustainability“ in the KI Bundesverband and editor and author in Springer publishing house on topics of digitalization and its impact on changes in business processes and models. Furthermore, she is a lecturer at the Duale Hochschule Stuttgart for the subject Corporate Management and at the ISM in the field of Data Analytics & AI. Her academic background is in industrial engineering - mechanical engineering, and she has a PhD in automation and digitalization of business processes. Her personal research interests are sustainability and technological developments with a special focus on AI.



Oliver David Krieg

Oliver David Krieg is an expert in computational design and digital fabrication in architecture. As Chief Technology Officer (CTO) at Intelligent City, he is leading the technology development for computational design and digital manufacturing processes for high-rise mass timber construction systems. This is part of the company's effort to provide transformative solutions for product-based, adaptable, and sustainable building platforms for urban housing and commercial buildings. His work is characterized by an integrative approach towards engineering, material science, design, sustainability, and manufacturing.



Oliver Lang

CEO and Co-Founder of Intelligent City

Oliver Lang is the CEO and Co-Founder of Intelligent City, a Vancouver based housing technology company with the mission to build smarter, empower people to live better and deliver buildings that are life cycle carbon neutral, through the use of intelligent software and advanced robotics manufacturing applied to mass-timber construction, from their advanced manufacturing plant in Delta BC. He is a graduate of Columbia University, GSAPP, with an MSc in Advanced Architectural Design and holds a Dipl.Ing.Arch. from the Berlin University of Technology with studies at the ETSA Barcelona. He is a licensed architect in BC, Alberta, New York, and North Rhine-Westphalia Germany.

Sponsoren Timberbot

Sponsoren HN Holzbau Netzwerk Berlin-Brandenburg



Partner und Partner
Architekten



Location

Adresse

Alexanderufer 3-7
10117 Berlin

Public Transport

Main Station (U55) 240m

Main Station(S-Bahn 3, 5, 7, 75) 240m

Bundestag (U55) 500m

By car

B1, B2, B96, B96a

Car Parking

Parkhaus Contipark Hauptbahnhof

Parkhaus APCOA LuisenstraÙ

Googel Maps: www.timberbot.de

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