Program Center Day 2023

11:00 - 11:30 Opening

Welcome Address & Highlights 2023
Prof. Dr. André BORRMANN
Speaker of the Leonhard Obermeyer Center, TUM

11:30 - 12:30 Keynote

Al-enabled Cyber-Infrastructure for the Development of Digital Twins of the Built Environment
Dr. Yelda TURKAN
Associate Professor of Construction Engineering and Management, Oregon State University, USA

12:30 - 13:30 Lunch Break

Florian NOICHL
Chair of Computational Modeling and Simulation, TUM

13:45 - 14:00

Semantic 3D building reconstruction at level of detail 3 using mobile mapping data
Olaf WYSOCKI
Chair of Photogrammetry and Remote Sensing, TUM

14:00 - 14:15

Web-based 4D Visualisation of Integrated 3D City Models and Sensor Data in Urban Digital Twins
Joseph GITAHI
Chair of Geoinformatics, TUM

14:15 - 14:30

Experimentelle Partizipation in der Mobilitätsplanung – analog und digital
Matti DRECHSEL
Chair of Architectural Informatics, TUM

14:30 - 14:45

Construction data as intangible assets in the company: potentials and technical solutions for a secure monetization
Sandor HORVATH
OTH Regensburg & Chair of Construction Management, TUM

14:45 - 15:15 Coffee Break

15:15 - 15:30

DeepTech & Life Science Incubation at TUM
Tobias FÖRTSCH
TUM Venture Lab Built Environment

15:30 - 15:45

From Data to Knowledge: Construction Process Analysis Through Continuous Image Capturing, Object Detection, and Knowledge Graph Creation
Fabian PFITZNER
Chair of Computational Modeling and Simulation, TUM & Innovationsmanagement Bau GmbH

15:45 - 16:00

A team approach on creating a Lifecycle Information Framework
Felix EICKELER
Division Manager for Digital Railway Infrastructure & Information Modelling, OBERMEYER Group

16:00 - 16:15

Nemetschek’s dTwin: Unlock the potential of your data
César FLORES RODRÍGUEZ
Chief Division Officer for Operate & Manage and Digital Twin, Nemetschek SE

16:15 - 16:30

Analysis and Optimization of Energy Performance of Buildings with Simulation
Dr. Jorge CARREGAL FERREIRA
Geschäftsführer BCE Dynamics GmbH, part of CADFEM Group

16:30 - 16:45 Outlook

Prof. Dr. Christoph HOLST
Chair of Engineering Geodesy, TUM

from 16:45 Get Together