Program Center Day 2022

11:00 - 11:30  Opening
Welcome Adress & Highlights 2022
Prof. Dr. André BORRMANN
Speaker of the Leonhard Obermeyer Center, TUM

11:30 - 12:15  Keynotes
The Digital Twin of Munich
Markus MOHL
Head of Competence Centre Digital Twin Munich,
Kommunalreferat, Landeshauptstadt München

12:15 - 12:30
Research & Industry: the innovative twin for shaping the world!
Jimmy ABUALDENIEN
Head of Digital Twin Product,
Nemetschek SE

12:30 - 13:30  Lunch Break

13:30 - 13:45
Change detection for progress monitoring of indoor constructions based on BIM, 3D point clouds and uncertainties
Theresa MEYER
Chair of Photogrammetry and Remote Sensing, TUM

13:45 - 14:00
General Indicator Modeling Framework for the Built Environment
Dr. Tatjana KUTZNER
Chair of Geoinformatics, TUM

14:00 - 14:15
Blockchain & Smart Contracts for the Construction Industry
Florian MEGELE
Chair of Construction Process Management, TUM

14:15 - 14:30
Utilizing Augmented Reality and Building Information Modeling for On-Site Accessibility of Factory Planning Data
Sofia LAMPE
Chair of Architectural Informatics, TUM

14:30 - 14:45
Calculation of LCA in early building design stages using BIM and NLP-based semantic model healing
Kasimir FORTH
Chair of Computational Modeling and Simulation, TUM

14:45 - 15:15  Coffee Break

15:15 - 15:30
Integrating system dynamics in urban digital twins
Ihab HIJAZI, PhD
LOC Postdoc Scholarship, TUM

15:30 - 15:45
Managing Urban Digital Twins with an Extended Catalog Service
Maximilian SINDRAM & Marija KNEZEVIC
Virtual City Systems, part of CADFEM Group & Chair of Geoinformatics, TUM

15:45 - 16:00
Towards data mining on construction sites: Monitoring on-site activities by fusing and processing diverse sensor data
Fabian PFITZNER
Chair of Computational Modeling and Simulation, TUM & Innovationsmanagement Bau GmbH

16:00 - 16:15
Werkstattbericht BIM @ OBERMEYER and what's coming next
Markus HOCHMUTH
OBERMEYER Digital Solution GmbH, part of OBERMEYER Holding

16:00 - 16:15
From research to start to up - Urbanistic
Dr. Christos CHANTZARAS & Nils SEIFERT
TUM Venture Lab Built Environment & Urbanistic GmbH

16:30 - 16:45  Outlook
Prof. Dr. Thomas H. KOLBE
Chair of Geoinformatics, TUM

from 16:45  Get Together