Center Day Program

11:00 - 11:15  Opening
Welcome Address
Prof. Dr. rer. nat. Thomas HOFMANN
President of TUM

11:15 - 11:35  LOC: 2020 Update
Prof. Dr.-Ing. André BORRMANN
Speaker of the Leonhard Obermeyer Center, TUM

11:35 - 12:15  Keynote
The next generation of open data standards in construction
Léon VAN BERLO
Technical Director buildingSMART International

12:15 - 12:45  Lunch Break

12:45 - 13:00  Change Detection Based on Image Sequences and BIM-Compliant Indoor Models: Requirements and Challenges
Theresa MEYER
Chair of Photogrammetry and Remote Sensing, TUM

13:00 - 13:15  Digital Streetspace Modeling for Autonomous Driving and more
Christof BEIL & Benedikt SCHWAB
Chair of Geoinformatics, TUM

13:15 - 13:30  Construction site monitoring using AI-supported process data acquisition
Daniel HOCK
Chair of Construction Process Management, TUM

Sarah JENNEY
Chair of Architectural Informatics, TUM

13:45 - 14:00  Coffee Break

14:00 - 14:15  Encoding of geometric shapes from Building Information Modeling using graph neural networks
Fiona COLLINS
Chair of Computational Modeling and Simulation, TUM, Georg-Nemetschek-Scholarship

14:15 - 14:30  Code Compliance Checking von Eisenbahninfrastrukturmodellen unter Verwendung von BPMN und DMN
Marco HÄUSSLER
Chair of Computational Modeling and Simulation, TUM & Obermeyer Planen + Beraten GmbH

14:30 - 14:45  Deep Linkage of Building Information Models and Digital Drawings Using Convolutional Neural Networks
Thomas BETZ-MORS
Chair of Computational Modeling and Simulation, TUM & ALLPLAN GmbH

14:45 - 15:00  CityGML 3.0
Tatjana KUTZNER & Maximilian SINDRAM
Chair of Geoinformatics, TUM & Virtual City Systems, part of CADFEM Group

15:00 - 15:20  Outlook
Prof. Dr.-Ing. Konrad Nübel
Chair of Construction Process Management, TUM

from 15:20  Get Together