

**CADFEM** GROUP



**NEMETSCHKE**  
GROUP

**OBERMEYER**

**AUTODESK**

**BAU & INDUSTRIE**  
Bayern



**DREES & SOMMER**

**LIST Gruppe**



**urbanistic.**

Bayerische  
Architektenkammer



Bayerische  
Ingenieurekammer-Bau  
Körperschaft des öffentlichen Rechts

**buildingSMART.**



**DGNB**  
Deutscher GreenBuilding Award  
Center Sustainable Building Council



Landeshauptstadt  
München  
**Kommunalreferat**

**LANDESAMT FÜR  
DIGITALISIERUNG,  
BREITBAND UND  
VERMESSUNG**



Oberste Baubehörde im  
Bayerischen Staatsministerium des  
Innern, für Bau und Verkehr

**ZD.B** ZENTRUM  
DIGITALISIERUNG  
BAYERN



**RUNDER TISCH GIS E.V.**

**LOC Center Day 2022**

November 11th 2022  
Oskar-von-Miller Forum

More Information about Center Day 2022 online:  
[www.ed.tum.de/loc](http://www.ed.tum.de/loc)

Leonhard Obermeyer Center  
Technische Universität München  
Arcisstr. 21  
80333 München

**LEONHARD  
OBERMEYER  
CENTER**

TUM Center of Digital Methods for the Built Environment

**Center Day  
11th November  
2022**

# 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 & Marc HODAPP

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**