



LOC Talk
Automated Approaches towards BIM-based Intelligent Decision
Support in Design, Construction, and Facility Operations
with
Dr. Fernanda Leite

18 January 2019 at 15:00

The architecture, engineering, construction and facility management (AECFM) industry has been experiencing many changes since inexpensive networked, mobile computing devices have become ubiquitous. With the rising amount of information and data generated in the life cycle of capital projects, information modeling and data interoperability have become a critical element in design, engineering, construction, and maintenance of capital facilities. Recent advances in Visualization, Information Modeling, and Simulation (VIMS) have the potential to address a number of these pressing challenges. The objective of this talk is to discuss challenges and ongoing research in three areas of study in VIMS: capturing experiential knowledge in building information modeling (BIM)-based design coordination; 4-dimensional modeling for site-specific safety planning; and automating the BIM upkeep process in the facility operations phase leveraging deep learning and computer vision.

Venue

Gebäude 13b, Hörsaal B
Institut für Bauingenieurwesen
Technische Universität
Gustav-Meyer-Allee 25, 13355 Berlin

Registration

Please register till 15.01.2019 at: valentina.aleksic@tu-berlin.de