

BIM

F r i D a y



1|11|2024
10:00-16:00

room LPOH108 and on-line

join us to learn
about this revolutionary
ever-evolving methodology

PROGRAM



online meeting
via MS TEAMS

LEVEL 1

10:00-12:00

room
LPOH108

10:00

WHAT IS BIM?

DAVID JURAČKA

Introduction to the fundamentals of BIM design. An overview of key concepts, benefits, and challenges in creating an ideal virtual information model, followed by a demonstration.

10:40

UTILIZATION OF BIM AT VSB - TECHNICAL UNIVERSITY OF OSTRAVA

EVA WERNEROVÁ

Examples and experiences from utilization of BIM in construction processes.

11:05

BIM IN PRAXIS – RENOVATION OF HISTORICAL BUILDING IN KARLOVY VARY

FILIP KALINA

Digital tools in construction - presentation of process how to make an As Built model from „nothing“.

11:30

BIM IMPLEMENTATION PROCESS IN SPRÁVA ŽELEZNIC (DIRECTORATE OF RAILWAYS)

STANISLAV VITÁSEK

A presentation of key principles, benefits, and challenges involved in adapting this modern approach to railway infrastructure, including practical experiences and real project examples.

LEVEL 2

14:00-16:00

14:00

BIM ENGINEERING – STUDY PROGRAMME

PETR KONEČNÝ

An overview of BIM engineering, highlighting its role in integrating design, and management processes.

14:15

INTEGRATION OF BIM AND DIGITAL TOOLS IN ARCHITECTURE AND STRUCTURAL ENGINEERING EDUCATION THROUGH COMMON PROJECTS

KÁROLYFI AJTAYNÉ KITTÍ | VIDEO

The integration of BIM, parametric design, and 3D surveying into the architectural and structural engineering curriculum at Széchenyi István University, using project-based learning to teach interdisciplinary thinking.

14:30

DIGITAL TRENDS SHAPING INFRASTRUCTURE CONSTRUCTION PROCESSES

MAREK ŽDÁNSKÝ

Digital trends like 3D-guided machinery, AR, drones, automation, and AI will be explored, highlighting their impact on efficiency, accuracy, and safety in construction.

15:00

BIM IN POLAND

ALDONA SKOTNICKA-SIEPSIAK AND JOANNA PAWŁOWICZ | VIDEO

The dissemination of BIM elements in the Polish construction market and progress made, along with BIM promotion efforts by the University of Warmia and Mazury in Olsztyn.

15:15

SMART CONSTRUCTION SITE

VÁCLAV VENKRBEC

Automatic identification and data collection for digitalization and automation of construction production.

15:45

BIM-DT BASED SHM OF BRIDGES

MUHAMAD FAWAD | VIDEO

Bridge monitoring supported by immersive and 3D reconstruction techniques for analytical and asset model updates.