

# DIGITAL ENGINEERING

BIM ist just the beginning

BIM

21 October 2021

#Ready2BIMTogether



## FCP.VCE BIM EVENT

**How** Online  
**When** Thursday, 21 October 2021  
 01:00 - 04:45 p.m.  
**Registration** [www.fcp.at/en/BIM2gether](http://www.fcp.at/en/BIM2gether)

BIM is only the beginning of the digital transformation and is only one of the new tools in our repertoire.

Together, we want to highlight those topics that will permanently change and digitalize our methods of working.

01:00

### Welcome & Introduction

Wolf-Dietrich Denk

01:05

### Keynote 1. Visions for the Digitalization of Infrastructure

Gerald Zwitnig | ÖBB  
 Rudolf Felsner | FCP

01:35

### Keynote 2. Digitalization of the Construction Processes

Ralf Sommer | Rhomberg

02:00

### Three Parallel Sessions

**Session 1.** Automation + Robotics  
**Session 2.** BIM + SIM  
**Session 3.** Digital Project Management

03:00

### Keynote 3. Innovation in the Building Life Cycle: If an ant hill, the Great Wall of China and Arnold Schwarzenegger could discuss

Lucas Winter | Kontakt . Umdasch Group

03:30

### FCP.VCE Digital Engineering. Flagship Projects

**Digital Engineering in the HS2 Project**  
 Peter O'Brien, Hanno Töll | VCE

**Wakrah & Wukair Drainage Tunnel Doha, Qatar**  
 Stephan Kalix, Eva Blazevic | VCE

**Paperless invoicing via Digital Twin**  
 Sarah Strehl | TU Wien, Thomas Rabl | FCP

04:00

### Virtual Networking Tables



#### Session 1. Automation + Robotics

**Design Automation. From Pixel to Pset**  
 Peter O'Brien | VCE

**Efficient Parametric BIM Workflow Using Visual Programming**  
 Junghwo Park | Umdasch Group Ventures

**Baubot – Construction Robotics from Austria**  
 Victor Rodionov | Printstones

**The Digital Construction Site – from the BIM Model to the Semi-Autonomous Ceiling Drilling Robot**  
 Sandro Steurer | Hilti



#### Session 2. BIM + SIM

**1001 Pitfalls in Simulation with BIM**  
 Michael Fuchs | IB-Lang

**BIM2Clim – Microclimate Simulations Directly from BIM Data**  
 Markus Luisser | Rheologic

**Use of GIS for Immission Forecasts in Infrastructure Projects**  
 Robert Koch | FCP

**BIM goes Green**  
 Markus Prechtel, Christian Sustr | FCP



#### Session 3. Digital Project Management

**Digital Project Management – „Data must flow“**  
 Frank Mettendorff | FCP

**Challenges of Digital Project Management in Infrastructure**  
 René Holzer | FCP

**Platform for Digital Project Management**  
 Christoph Degendorfer | bimspot

By registering for the event, each participant agrees to the use of visual and audio material recorded in the course of the event by means of photographs, films or similar media for public relations purposes, e.g. press reports, advertising of future events, etc.