

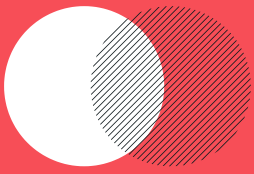
# EURASIAN BIM FORUM 2021

Nov 11-12,2021 | Online

Organized by

Mimar Sinan Fine Arts University-Istanbul Technical University





# Day 1

10:30 10:50 **OPENING SESSION**

11:00 11:40 **SESSION 1 . BIM ADOPTION AND IMPLEMENTATION**

Chair: Belinda Torus

**Identifying factors limiting the prevalent use of BIM technology in the Turkish Construction Industry**

Seda Tan and Gülden Gümüşburun Ayalp

**A Framework Analysis on Building Information Delivery Maps in the Turkish AEC Practice**

Uğur Kaya and Ozan Önder Özener

12:00 14:00 **KEYNOTE SESSION**

Chair: Ümit Işıkdağ

**IFC 4.3 – towards an open BIM exchange format for all built assets**

Jim Plume

**BIM, Language and Augmented Intelligence**

Paul Coates

14:30 15:10 **SESSION 2. BIM AND DESIGN PROCESS**

Chair: Sema Alaçam

**The Use of Building Information Modeling in Early Phases of Architectural Design: Case Studies**

Afif Eymen Nalbant and Salih Ofluoğlu

**Machine Learning Applied to BIM: BIM2GNN Framework**

Aydan Aghabayli, Ricardo De Matos Camarinha, Manuel Esteves Luís, José Luís Granja and Bruno Figueiredo

15:30 16:30 **SPONSOR TALKS**

Chair: Salih Ofluoğlu

**Autodesk Presentation**

Niyazi Kemer

**Fibrobeton Presentation**

Beni Kohen

16:50 17:50 **SESSION 3. BIM AND PROJECT MANAGEMENT**

Chair: Sevil Yazıcı

**BIM-Based Value Engineering: Creating a Plug-in System for Time Saving and Quantity Management**

Kerem Kabaca and Cansu Yalnız

**Leveraging Prefabricated Construction Supply Chain Management through Building Information Modelling**

Kherun Nita Ali, Aimi Sara Ismail, Norhazren Izatie Mohd, Shamsulhadi Bandi, Mohd Azwarie Mat Dzahir and Hamizah Liyana Tajul Ariffin

**A Review of BIM-Based Automated Code Compliance Checking: A Meta-Analysis Research**

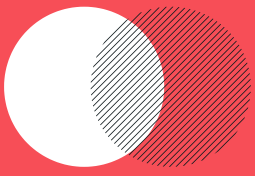
Murat Aydın

18:15 19:30 **KEYNOTE SESSION**

Chair: Ozan Önder Özener

**New perspectives on Building Information Modeling**

Mark J. Clayton



# Day 2

## 10:30 11:10 **SESSION 4. BIM EDUCATION**

Chair: Mustafa Emre İlal

### **BIM Integration in Architectural Education: Where do we stand?**

Onur Özkoç, Heves Beşeli Özkoç and Duygu Tüntaş

### **Collaborative BIM for Construction Engineering Students**

Rita Sassine, Mojtaba Eslahi and Rani El Meouche

## 11:30 12:10 **SESSION 5. OCCUPATIONAL SAFETY AND VISUALIZATION WITH BIM**

Chair: Çetin Tüker

### **The Proposal of a BIM and AR Integrated Application Against Fall Risks in Construction Projects**

Merve Aksu and Salih Ofluoğlu

### **Meaningful H-BIM Representations of Building Components in Underground Structures**

Fatih Uzun and Mine Özkar

## 12:30 13:10 **EURASIAN PROPTECH INITIATIVE**

Chair: Ümit Işıkdag

Live Interview (with Mete Varas)

## 13:30 14:30 **INVITED BIM TECHNOLOGY LEADERS**

Chair: Ümit Işıkdag

### **ISO 19650 with Plannerly**

Clive Jordan, Co-founder Plannerly

### **Enterprise BIM – a secure digital twin solution for critical infrastructure using IFC**

Jorulv Rangnes, CEO Jotne EPM Technology

## 14:50 15:50 **SESSION 6. BIM AND FACILITIES MANAGEMENT**

Chair: Hasan Burak Çavka

### **Simplified guide on BIM integration to mitigate facilities management risks of modular construction projects**

Sabah Khodabocus and Senem Seyis

### **Implementation of BIM for Facility Management: A High-Rise Building Project**

Melis Denizaltı, Mert Erşan, Büşra Yücel and Semra Çomu

### **BIM, IoT and AI: From Digital Twin Towards Smart Facility Management**

Moutaman Mert Hocaoglu and Ümit Işıkdag

## 16:10 17:10 **SESSION 7. OTHER DIMENSIONS OF BIM**

Chair: Mine Özkar

### **Kinetic Architecture and BIM: the State of Art and Future Visions**

Yenal Akgun and Ozan Önder Özener

### **Benefits and Challenging in Using Technologies in Smart Cities and the Role of Governance, Regulations and Policies**

Azmina Gulamhusein and Marzia Bolpagni

### **Identification of Uncertainties in Building Characterization for Urban-Scale Energy Modeling**

Said Bolluk and Senem Seyis

## 17:30 18:00 **CLOSING SESSION**

Session times are according to the Istanbul's time zone (UTC+3)