

## Announcement

### **International Conference on “Measurement, Visualisation and Processing in BIM for Design and Construction Management II” on February 7-8, 2022 at CTU in Prague.**

The international conference will follow-up the conference organized in 2019 in Prague (MVP BIM 2019) and is intended for a narrow group of international experts. We will deal with strategic topics in response to current events in the Czech Republic. Measurement, Visualisation and Processing in BIM for Design and Construction Management II in Prague is organized by PHEDCS Institute/the working group ISPRS TC V/WG7. Our main mission is to connect scientific disciplines, experts, specialists, young scientists across various professional fields such as Photogrammetry, Remote Sensing, Geomatics, Construction, Architecture, Geology, 3D Modeling, Designing and Laser Scanning. The scientific international conference is focused on young scientist (PhD, Scopus, WoS) At the same time leading experts from Czech Republic and our working group ISPRS TC V/WG7 are invited to give lectures that characterize situation in Czech Republic and in the world. The submitted papers will be reviewed. If the required criteria are fulfilled, papers will be included in the Scopus and WoS database. The paper submission and registration takes place via ConfTool.

According to UN forecast, by the year 2050, more than 67% of the world's population will be concentrated in cities. Related to this is their further rapid development, the development of infrastructure and the logical pressure on the construction industry and related fields, which will support the expected population growth. As a result of the trend, there are enormous demands for sorted information and then questions: how to handle such a huge data stream? Will BIM be a suitable tool? Its modification? Will it be a transition to artificial intelligence?

Topics we would like to discuss: History and development of BIM. Modern design concept. Geospatial technologies and BIM. Non-destructive control and its integration into BIM. BIM for construction management. BIM and AR/VR. BIM standardization. BIM software. BIM education. Green BIM and its applications. Digital twins and their applications. Intelligent building and its applications.

#### **Programme:**

##### ***BIM – non-destructive measurement and construction diagnostics***

Evaluation of the current state and trends in the development of methods, instrumentation and software with emphasis on geophysics and defectoscopy. Practical examples of use in the operation of transport structures and buildings. Monitoring the stability of notches and protective walls.

## ***BIM twin***

Creation and permanent maintenance of current computer construction models, building, object and processes, which are created in real time, take place and intertwine throughout their life cycle with emphasis on the use of various sensors and devices for online records of their status.

## ***BIM – records of elements of buildings and structures in public space.***

The registration of owners' property in public space is partly carried out in the form of entries in the cadastre, but many buildings and structures are not registered in the cadastre. Experience and practice in different countries is very diverse. How is this problem solved within the EU countries? What is the experience in other countries? How is the intersection of information kept in the cadastre and in other registers solved?

### **Important Dates:**

Full paper deadline (Annals)	15.09.2021
Abstract deadline (Archives)	01.10.2021
Notification to authors	31.10.2021
Final paper submission	30.11.2021
Early bird reg. deadline	15.11.2021
Regular reg. deadline	31.01.2022
On-site registration	7-8.2.2022

For further details, please visit <https://www.mvpbim2022.com/>