

9:00 - 9:15

OPENING OF THE CONFERENCE

9:15 - 10:35

1st SESSION - BIM IMPLEMENTATION



Current Report on the State of Implementation of BIM in Slovakia

BIM is a concept that clearly resonates across the construction industry. The issue, however, is the fact that many still do not know what exactly this acronym actually stands for. Lack of exact definitions and specifications arising from this concept leads to impossibility to order these services and to verify their fulfillment eventually. Changes that implementation of BIM requires is even more difficult because it exceeds the imaginary space of the construction industry, but it stretches into society-wide issue.

Michal Pasiar

BIM ASOCIÁCIA SLOVENSKO



Level of Model Detail in the Context of Use of the Object Library, Corporate BIM Standard of Investor

HB Reavis is an international development group operating in the key markets of Central Europe. Efficient use of BIM models supplied by different designers across countries requires definition of geometrical, physical and other properties of the elements for individual project levels. It is necessary to define the rules in the process of checking the compliance with the standards, the method of assigning parameters, clash detection between professions and requirement for uniform format of QTO.

Peter Marčok

HB REAVIS



The Issue of Implementation of BIM in Practice - Solutions, Risks and Opportunities

BIM is today's magical spell which is often discussed in professional journals and conferences. Investors requires it, but the actual practice is facing the problem of how to actually implement BIM? ŠTOR CAD - GRAITEC will present their own experience with the introduction of BIM in the industry.

Milan Nemec

STOR CAD GRAITEC

DISCUSSION WITH 1st SESSION SPEAKERS

10:35 - 10:45

COFFEE BREAK

10:45 - 11:50

2. SESSION - DATA EXCHANGE



Open BIM in Practice

This presentation explores the current status and the features of the BIM-based interoperability between different disciplines/design applications. It summarizes the requirements, the currently available standards and possibilities of the model-based communication. A live demo demonstrates the model creation and BIM data sharing between GRAPHISOFT ARCHICAD and other applications by using open source file formats including IFC and BCF.

Tamás Erős

GRAPHISOFT



First Hungarian OPEN BIM project

In my presentation I would like to highlight the importance of BIM and OPEN BIM through the example of our 140.000 m2 stadium project. I am going to show how we struggled and solved key areas like model and information sharing by different file formats with fellow engineers, and how we gained benefits from digital Clash detection and Quantity take off. I would like to share our experiences on our software behavior with programs such as ARCHICAD by GRAPHISOFT, or BIMsight by TEKLA and Vico Office by Trimble.

Dávid Petri

KÖZTI Architects & Engineers

DISCUSSION WITH 2nd SESSION SPEAKERS

11:50 - 12:00

COFFEE BREAK

12:00 - 13:30

3rd SESSION - FROM A PROJECT TO THE EXECUTION



The Use BIM from the Perspective of the Contractor on the Projects in Czech Republic and Slovakia

The presentation will focus on the specific experience of Skanska in the BIM implementation in Czech Republic and Slovakia from the perspective of the contractor. Examples of selected projects of building and infrastructure constructions will be presented along with the way of using BIM, its benefits and challenges our company is facing in this region during the implementation into the construction company and we will briefly mention also the trends that Skanska aims worldwide.

Ivana Krošová, Patrik Golský

SKANSKA



Comparison of Initial Construction Schedule versus Reality in the Project of Football Stadium Reconstruction

The presentation of benefits in the process of model creation of prefabricated structures of the stadium stand (Allplan), and steel structures (TEKLA) for the reconstruction project of football stadium FC DAC 1904 through BIM modeling and the demonstration of coordination and data exchange using the IFC format. Advanced detection and elimination of collisions during the design phase through BIM software, along with a comparison of practical experience in the creation of schedules in the traditional way (MS Excel, MS Project) and method of virtual construction (SYNCHRO Pro).

Erik Hrnčiar
HESCON



The Future of Planning - Data, Facts and References

The lecture explains the benefits of BIM in the design and the reasons why we decided to start this journey. We will introduce the progress in the implementation of BIM in our company and the experience we have gained on major projects abroad, focusing on the whole process of virtual construction, from initial concept to the execution.

Matthias Braun
OBERMEYER HELIKA

DISCUSSION WITH 3rd SESSION SPEAKERS

13:30 - 14:15

LUNCH

14:15 - 15:45

4th SESSION - BIM IN THE PRACTICE



Laser Scanning as a Supporting Tool for BIM

The presentation deals with various options of measuring the buildings, including the installed technology by terrestrial laser scanner and using the obtained data in a BIM environment. We will demonstrate the practical experience with creation of BIM models and the use of laser scanning as a tool for quality control of construction and to ensure the models are up-to-date, including HVAC.

František Janíček
iQservices



BIM in the Architectural and Engineering Company

In the process of designing the extension of SUSCCH in Banska Bystrica we have been rather limited by abilities of professions in BIM design. As the coordination was very important for this project, we decided to remodel all the wiring and pipe systems in the building. This decision proved to be correct, since we managed to coordinate and optimize routes of all building systems which would be with such a number of professions employed on a project of hospital very complicated and time consuming by using classic 2D method. By using BIM application Allplan we will present to you the work with models, export of QTO for the budget processing, creation of interiors and the process of coordination of professions.

Branislav Bojčik, Peter Mlynarič
ALLPLAN



Using BIM for the Fabrication

The aim of the lecture is to present the issue of the creation of fabrication documentation and data exchange, based on building information modeling. Through this presentations we will share with you the practical experience of our VISIA team and our external collaborators in the elaboration of fabrication documentation using BIM on a project Production Plant - SKC foundry s.r.o., which was used as a basis for building contractor.

Ladislav Chatrnúch
CONSTRUSOFT

DISCUSSION WITH 4th SESSION SPEAKERS

15:45 - 16:00

COFFEE BREAK

16:00 - 17:00

5th SESSION - BIM ABROAD



Experiences and Approaches with BIM in Relation to the Formwork

Various software environments are rising challenges associated with converting files. We will provide an overview of the activities and prospects of the integration aspects of price and time in our systems with the context of GSV standards and introduce our experience with the application of BIM on current projects: Keeyask Canada and residential building in Vienna, which we do in cooperation with Swietelsky.

Markus Bittner
DOKA



BIM Implementation in Germany

Planen Bauen 4.0 was established in February 2015 by leading German construction companies, associations and institutions to support the digitization of design, construction and facility management in Germany. Presentation will focus on the implementation roadmap of BIM in Germany (BIM Stufenplan in Germany). The implementation plan includes a time-limited approach to BIM with specific criteria and also defines the basic principles of virtual construction. At the same time it specifies the requirements for collaborative work with data via the BIM model.

Jan Tulke
PLANEN-BAUEN 4.0.

DISCUSSION WITH 5th SESSION SPEAKERS

17:00

CLOSING OF THE CONFERENCE