



WORLD CONSTRUCTION FORUM 2019
NEWSLETTER – No. 3
31.1.2019

Dear Sirs/Madams,

ACCOMMODATION: Special prices for rooms in Grand Hotel Union

We invite you to book your accommodation at one of the **Grand Hotel Union's** three hotels since the WFEO meeting will be taking place there, and forum will be taking place nearby. Special room rates for WCF 2019 participants have been negotiated and we present you six different options – **Hotel Lev******, **Grand Hotel Union******, **Grand Hotel Union Business******, **Hotel Slon Best Western******, **City Hotel****** and **Hotel Mrak****** in the period from April 8th to April 12th. Accommodation is booked on a “first-come, first-served” basis so participants are encouraged to book early.

For more information and reservations please see - <https://www.wcf2019.org/hotel-accommodation/>

PROGRAMME: A detailed programme is being published

New informations are coming every day, so for detailed programme please see:

<https://www.wcf2019.org/programme/>

FORUM OPENING – INTRODUCTION OF KEY-NOTE SPEAKERS

We are proud to introduce you to **prof. Antonia Moropoulou**, one of the key-note speakers at the forum opening. Prof. Moropoulou is currently a Professor at the National Technical University of Athens and President of the General Assembly of the Technical Chamber of Greece. Prof. Moropoulou is a Chemical Engineer, PhD, Full Professor at the Section of Materials Science and Engineering of the School of Chemical Engineering, Director of the Materials Science and Engineering Laboratory. She is a world class expert in building materials and the preservation of monuments that comprise the World's Cultural Heritage (Hagia Sophia in Istanbul, Medieval City of Rhodes, Holy Sepulcher in Jerusalem, et al) scientific coordinator of more than 80 National, European and International research competitive programs and author of 5 books, 22 monographies and chapters in books and editor of 15 books. In 2011 she was acknowledged by the Council of Canadian Academy as an author of the top 5% most highly cited papers worldwide in the field of Cultural Heritage Protection. In 2017 she was honored by the European Society for Engineering Education with the SEFI Fellowship Award. She has received honorary international Association Memberships: New York Academy of Sciences, American Association for the Advancement of Science, International Who's Who of Professionals, Academia NDT International, American Ceramic Society, et als.

More about key-note speakers at the forum opening: <https://www.wcf2019.org/cv/>

FORUM THEMES – INTRODUCTION OF THEMES

Today we would like to introduce you to the Theme 6 - Digitally engineered built environment: BIM lifecycle and Facility and Asset – Management.

THEME 6 – DIGITALLY ENGINEERED BUILT ENVIRONMENT: BIM LIFECYCLE AND FACILITY & ASSET – MANAGEMENT

Scope of Theme

This theme is focusing on information management throughout the lifetime of buildings and infrastructure, related activities, technologies and stakeholders relevant to the project and asset management. This covers innovation in design management, collaborative digital workflows supported by the BIM lifecycle with advanced development of project information model for Design for Construction – to reality capturing and integration into

digital asset information model for Facility Management (FM) and Asset Management (AM). The theme shall deliver presentations and valuable know-how from 10 different countries.

Chair and Co-Chair:

Chair: Asist. **Prof. Dr. Tomo Cerovšek**, Slovenia, Faculty of Civil and Geodetic Engineering, University of Ljubljana

Co-Chairs: **Prof. Vladimír Benko**, Slovakia, Civil Engineering Faculty, STU Bratislava

Dr. Samo Peter Medved, Slovenia, President of the Section of Civil Engineers, Slovenian Chamber of Engineers

Dr. Tomo Cerovšek

is a leader in BIM technology transfer at the University of Ljubljana. He studied structural engineering & architecture, worked in the industry, completed Stanford PBL master course, passed the examination for a certified structural engineer and made a PhD in Computer Integrated Construction (2003). He teaches subjects in BIM execution planning, information management and collaboration and use of ICT, digital design, process modelling, engineering communication. He is co-creator of BIM A+: European master in Building Information Modelling. His research interests include project information management, BIM lifecycle, smart asset management, digitisation BPR, concurrent and generative design, information and systems theory in the context of digital design, construction and operation of facilities. His BIM Framework was the most downloaded paper for five years at the respective journal.

Section key-note speaker:

Sakthy Selvakumaran: Digitally engineered built environment: monitoring from space.

Sakthy Selvakumaran is a PhD scholar at University of Cambridge (UK) and practising Innovation Engineer. Ms Selvakumaran was a member of Great Britain's '30 Under 30' list and worked in many innovative fields of engineering.

Other speakers in the section:

M. Malek Mohammadi (United States): Condition Prediction of Sanitary Sewer Pipes

D. Papič (Slovenia): Digital Built Environment Maturity Model (dbEMM) Advancing methods & processes in smart infrastructure asset management

M. Pasiar (Slovakia): Digitization of existing building for facility management purposes – case study

B. Hafner (Slovenia): Implementation and use of BIM technology in multidwelling facilities for management and maintenance of buildings

B. McAuley (Ireland): Establishing the Key Barriers in adopting BIM for Facilities Management By Clients in Ireland

V. Janjić (Slovenia): Integrated BIM Project Management Approach and Asset Management on large scale projects

X. Ma (China): Rethinking Building Information Modelling from the project perspective

G. Stegnar (Slovenia): Progressive Use of BIM for Holistic Energy Renovation of Office Buildings

C. Botton (Canada): Combining BIM and Lean to improve production on construction sites: A case study

M. Lutman (Slovenia): Maintenance Of Special Equipment At Bridge Constructions

M. Kušar (Slovenia): New bridge management system for Slovenian road network

P. Novak (Slovenia): Indoor Environment and ventilation in sustainable buildings

C. Chou (Taiwan): Physical Protection of Data Centers Using WiFi Channel State Information and Building Information Modeling Tools

REGISTRATION IN PROGRESS

The registration **to the forum and to the WFEO meeting** is fully in progress.

Please **register on-line**: <https://cankarjevdom.eventsair.com/2019-world-construct-forum/wcf-2019-registration-site/Site/Register>

On-line registration enables you to register for the forum, the WFEO meeting, the social programme (accompanying events: technical visit, gala dinner), accommodation and sightseeing (trips).

More information on hotel accommodation, gala dinner, technical visit and sightseeing:

<https://www.wcf2019.org/registration/>

VISA REMINDER

Participants who require a visa to enter Slovenia need to request a letter of guarantee, which will be issued by the Conference Secretariat. The letter of guarantee is issued exclusively for the purposes of Visa arrangements

and does not imply provision of any financial or other support. Information on visas and addresses of Embassies is available on the web site of the Slovenian Ministry of Foreign Affairs:

http://www.mzz.gov.si/en/entry_and_residence/for_visa_applicants/. In case you apply for a Visa at an Embassy, please fill in the form below in order to obtain the letter of guarantee and fax it to **+386 1 241 72 96** or send it by e-mail to **registration@cd-cc.si**. Participants who already possess a valid Schengen visa type C or a valid residence permit issued by another Schengen country do not need to obtain an additional visa to enter Slovenia. For more information please see - <https://www.wcf2019.org/registration/>

USEFUL INFORMATION

Technical Visit – Predjama Castle and Škocjan Caves



At the Technical Visit you will discover the Slovenian Karst Region. First stop will be at the UNESCO listed Skocjan Caves, one of the largest and most fascinating Karstic sites in Europe with the Reka River running 200m below the surface. In the cave you will see famous steel bridge, called Mariničev most, and renowned Slovenian engineer dr. Viktor Markelj contributed to construction of the bridge. Second stop will be at the medieval Predjama Castle with dramatic setting in the gaping mouth of a cavern halfway up a hillside. You will also learn about the legend of Erasmus before returning to Ljubljana in the afternoon. For more information visit - <https://www.wcf2019.org/technical-visit/>.

FOLLOW US ON FACEBOOK AND LINKEDIN

Up-to date information about organisation of WCF 2019 and other interesting information about Slovenia and Ljubljana can be found on Facebook and LinkedIn.

We are kindly inviting you to join us and LIKE us at the **Facebook** page: <https://www.facebook.com/WCFLJ2019/>
And follow us on **LinkedIn**: <https://www.linkedin.com/company/inzenirska-zbornica-slovenije/>

ORGANIZERS & INFORMATION

Organizers:

Slovenian Chamber of Engineers
Faculty of Civil Engineering and Geodesy, University of Ljubljana
World Federation of Engineering Organizations

Information for speakers/authors:

Faculty of Civil Engineering and Geodesy, University of Ljubljana, secretariat@wcf2019.org

Information for WFEO Delegates:

Slovenian Chamber of Engineers, Ms Polona Okretic, E-mail: polona.okretic@izs.si , Phone: +386-1-547-33-17

Information on registration and accommodation:

Cankarjev dom, Cultural and Congress Centre, E-mail: registration@cd-cc.si, Phone: +386 1 241 7136, Fax: +386 1 241 7296

About forum:

<https://www.wcf2019.org/>