



**WORLD CONSTRUCTION FORUM 2019**  
**NEWSLETTER – No. 4**  
**6.2.2019**

Dear Sirs/Madams,

**PROGRAMME: Additional abstracts were confirmed**

A detailed programme was published, but nevertheless, some new abstracts were received and confirmed. For updated programme please see: <https://www.wcf2019.org/programme/>

**FORUM OPENING – INTRODUCTION OF KEY-NOTE SPEAKERS**

We are proud to introduce prof. **dr. Peter Fajfar**, who will be one of the key-note speakers at the forum opening. Dr. Fajfar is currently a Professor at the University of Ljubljana, Faculty of Civil and Geodetic Engineering. His main research interest is seismic analysis and design of structures. In the period 2003-2015 he was one of three Editors of the journal Earthquake Engineering and Structural Dynamics. He has been involved in the development of the European standard Eurocode 8 and lead the implementation of this standard in Slovenia, which was the first country where Eurocode 8 became compulsory. As a designer, consultant and/or reviewer, he has participated in a large number of projects in industry. He received several awards, among them the highest award for the scientific work in Slovenia and Prof. Nicholas Ambraseys Distinguished Lecture Award. Mr Fajfar is a member of the Slovenian Academy of Sciences and Arts, of the Slovenian Academy of Engineering, of the European Academy of Sciences (Belgium), and of the National Academy of Engineering (USA). 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 3 - **Cultural Heritage in Digital World**

**THEME 3 – CULTURAL HERITAGE IN DIGITAL WORLD**

**Scope of Theme**

The section is intended to give the viewpoint of lecturers and conferrers on questions related to importance of digital technology in the integrated approach to cultural heritage. The key themes addressed in this theme are: development of methods and tools for data collection and processing needed to support policy development, inclusive heritage site management, intervention decision-making and decision impact analysis, furthermore increasing of heritage asset resilience based on application of digital technology, innovations in 3D modelling of cultural heritage through an inclusive approach for time-dynamic reconstruction of artefacts, built and social environments applying the Historic building information modelling (HBIM) and last but not least development of sustainable use of cultural heritage based on digital technology in order to increase economy development in cultural heritage areas.

**Chair and Co-Chair**

Chair: **Prof. Dr. Roko Žarnić**, Slovenia, Faculty of Civil and Geodetic Engineering, University of Ljubljana

Co-Chair: **Dr. Marinos Ioannides**, Cyprus, UNESCO Chair on Digital Heritage, Cyprus University of Technology

**Prof. Roberto Di Giulio**, Italy, Department of Architecture, University of Ferrara

**Dr. Roko Žarnić**

is a professor of building materials at University of Ljubljana, Faculty for Civil and Geodetic Engineering (UL FGG). His research background is in earthquake engineering with a particular interest for built heritage preservation, development of structural elements made of advanced materials (laminated glass and FRP) and inelastic computational models for assessment of structures. From 2010 to 2012 he was on duty of Minister of Environment and Spatial Planning of Republic Slovenia.

### Section key-note speaker:

Prof. **Roberto Di Giulio**: ICTs for accessing, understanding and safeguarding cultural heritage.

Prof. **Daniel V. Oliveira**: The role of digital tools in the preventive conservation of cultural heritage: the experience of HeritageCare project.

### Other speakers in section:

M. Ioannides: Holistic Documentation of the Past: A key Challenge in the 21st century

R. Žarnić: The elements of identification of cultural heritage services

D. Petrovič: Geodetic Methods for Modeling and Documenting Cultural Heritage Objects

A.E. Ziri: Using owl-time ontology to define time in h-BIM models

E. Piaia: BIM-based Cultural Heritage Asset Management Tool. Innovative solution to orient the preservation and valorization of historic buildings

V. Rajčić: Cultural heritage BIM: challenges and opportunities

F. Maietti: Accessing and understanding heritage buildings through ICT. The INCEPTION methodology applied to the Istituto degli Innocenti

G. Mincoelli: Accessible cultural heritage: developing digital user experiences

A. De Naeyer: Medieval geometries identified by digital analysis – creating capacity to knowledge, cultural value and technical maintenance : The case of the 13th cent. S. Francis church in Assisi, Italy

V. Bosiljkov: Advanced monitoring of the church of St. Benedict in Kančevci (Slovenia)

M. Kržan: Simplified seismic assessment of monument applying the 3D time evolution presentation

K. Lalenis: The potential for Blockchain technology to integrate the tobacco warehouse heritage of Kavala (Greece) in the contemporary life of the city.

A. Djalali: Digital data platforms for heritage-led urban regeneration and historical sites enhancement

A. Boeri: New approach and tools for the governance of historic urban landscapes. The role of resilient communities

L. Rossato: Digital tools for documentation and analysis of heritage city centres in India

### 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/](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

#### Excursion to Postojna Cave & Lipica Stud Farm

You will discover **Postojna Cave**, most popular and most visited Karst cave in the world. Inside you will ride with an electrical train, see chambers with spectacular drop stones, pillars, limestone curtains and indigenous human fish. After lunch in Postojna the trip will continue with the visit of **Lipica Stud Farm**, the homeland of the white Lipizzaner – famous horse of the Spanish riding school in Vienna.



### **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](mailto:secretariat@wcf2019.org)

#### **Information for WFEO Delegates:**

Slovenian Chamber of Engineers, Ms Polona Okretic, E-mail: [polona.okretic@izs.si](mailto: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](mailto:registration@cd-cc.si) , Phone: +386 1 241 7136, Fax: +386 1 241 7296

#### **About forum:**

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