

## Main topics

### Loading types

- static and quasi-static loading
- cyclic loading of variable amplitudes (high cycle-loading well below yield stress; low cycle loading after initial yielding)
- vibrations
- impact and earthquake loading
- combined loading

### Environment

- corrosion
- high operating temperatures
- temperatures in the range of nil ductility transition (NDT) and below it
- combined environmental effects

### Structures

- power plants
- process equipment in petrochemical industry
- welded structures
- civil engineering objects
- transportation

### Materials

- metallic materials
- plastics
- ceramics
- composite materials
- nanomaterials
- biomaterials

## SUMMER SCHOOL

Two day event is offered to young researchers, with top experts in the field. Following topics will be covered, including practical problem solutions:

- ✓ Linear Elastic Fracture Mechanics,
- ✓ Elastic Plastic Fracture Mechanics,
- ✓ Fatigue and Creep crack growth

Fee (**125 € before 20.6.2018, 150 € afterwards**) includes lectures, refreshments and buffet lunch.

[www.ecf22.rs](http://www.ecf22.rs)

Registration fee *	Before 10.1.2018	Before 20.6.2018	Before 27.8.2018
Regular	530 €	580 €	630 €
ESIS member	450 €	500 €	550 €
Students	150 €	150 €	200 €
Accompanying persons	150 €	150 €	200 €

\* on-site cash payment will be possible

The registration fee includes conference material, welcome reception, conference banquet, refreshments and lunch during conference days.

### Proceeding and Publication

All papers will be published in the form of ECF22 Proceedings. CD-ROM will be available during registrations. The selected papers will be published as special issue of "Engineering Fracture Mechanics", "Engineering Failure Analysis", "International Journal of Fatigue" or "Theoretical and Applied Fracture Mechanics"

### Venue

Metropol Palace, a Luxury Collection Hotel, Bulevar Kralja Aleksandra 69, Belgrade, Serbia. Special rates for participants will be offered.



<http://www.metropolpalace.com>



## 22<sup>nd</sup> European Conference on Fracture

**ECF22**  
BELGRADE, SERBIA, 26-31.8.2018

### LOADING AND ENVIRONMENT EFFECTS ON STRUCTURAL INTEGRITY

August 26th – 31st 2018

And

**SUMMER SCHOOL**

August 25th-26th 2018

Belgrade, Serbia



[www.ecf22.rs](http://www.ecf22.rs)



## Location and Transportation

**Belgrade** is the capital of Serbia, with 1.8 million inhabitants. It is located in the south-east Europe, in the Balkan Peninsula, at the confluence of the Sava and Danube rivers. The official monetary unit is dinar (RSD). International airport "Nikola Tesla" offers services not only by domestic airlines (Air Serbia), but also by many other companies, including low cost companies. Transfer from the airport to the city center is easy using mini-bus or using taxi (20 euros). The highway network enables frequent bus connection between major European cities, and comfortable travel by car to Belgrade. Train connections are also possible.

## Technical Exhibition

The Organizing Committee invites companies to participate in a Technical Exhibition, which will be organized during the Conference.

## Important dates

<b>Pre-registration from</b>	<b>15.11.2017</b>
Submission of Abstracts	15.12.2017
Notification of Acceptance	31.12.2017
Deadline for early Registration	10.1.2018
Submission of Papers	30.4.2018
Late Registration	27.8.2018

## Local Organizing Committee

- Prof. Dr Aleksandar Sedmak, University of Belgrade, the chairman
- Prof. Dr Zoran Radakovic, University of Belgrade
- Prof. Dr Marko Rakin, University of Belgrade
- Prof. Dr Ljubica Milovic, University of Belgrade
- Milica Tasic, MA, DIVK Secretary
- Branislav Djordjevic, Innovation Center, FME
- Uros Tatic, Innovation Center, FME
- Simon Sedmak, Innovation Center, FME
- Dragana Perovic, Innovation Center, FME
- Dr Snezana Kirin, Innovation Center, FME
- Dr Milos Milosevic, Innovation Center, FME
- Dr Katarina Colic, Innovation Center, FME
- Dr Jasmina Lozanovic-Sajic, Innovation Center, FME

Welcome Reception will be held on Sunday, August 26<sup>th</sup> evening from 19:00 to 22:00

Cultural programme will be organized on Monday evening, August 27<sup>th</sup>, from 19:00 to 22:00.

Belgrade visit by boat will be organized on Tuesday evening, August 28<sup>th</sup>, from 19:00 to 22:00.

Sightseeing of Belgrade will be organized on Wednesday, August 28<sup>th</sup>.

Conference Dinner, including cultural programme, will be served on Thursday evening.

Other social events will include cruise along the Danube river, including Vinča archeological site (5500 BC), visit to Viminacium, once the capital of the Roman province Mesia Superior and other important historical/cultural sites.

A number of one day and half day excursions will be offered to the accompanying persons.

Post conference tours (one or two day) will be offered, including visit to medieval monasteries in central Serbia and Vojvodina.

For more details and information, please visit our website <http://www.ecf22.rs> and feel free to contact us on [ecf22conference@gmail.com](mailto:ecf22conference@gmail.com).