



## 6<sup>th</sup> INTERNATIONAL CONFERENCE **FRACTURE MECHANICS OF MATERIALS AND STRUCTURAL INTEGRITY**

**Lviv, Ukraine, June 3-6, 2019**

*Dear colleagues!*

*As a good tradition, the Conference has been taking place every five years in Lviv since 1987.*

*The conference aims to bring together leading scientists, researchers and research scholars to share their experience, research results and scientific ideas regarding key areas of fracture and damage mechanics, structural integrity assessment and maintenance. The conference is expected to become an interactive platform for discussion of recent advances, trends and practical challenges in the field of fracture mechanics and structural integrity.*

*We are looking forward seeing you in Lviv!*

### **CONFERENCE TOPICS**

- Fundamentals, physics and mechanisms of fracture and fatigue
- Experimental fracture mechanics
- Computational fracture mechanics
- Solids mechanics
- Advanced technologies (additive manufacturing, laser manufacturing, nanostructurisation, etc.): design, mechanics, fatigue and fracture
- Environmentally (corrosion, hydrogen, irradiation etc.) assisted degradation and cracking
- Failure analysis and case studies
- Structural integrity
- Damage tolerance and risk analysis
- Durability, safety, reliability and life extension of components
- Non-destructive evaluation and structural health monitoring
- Advanced technologies for repair of damaged objects
- Other aspects of fracture mechanics

*Special sessions and round tables devoted to actual problems are going to be organized in the frame of the Conference.*

### **IMPORTANT DATES**

- |  |                       |
|--|-----------------------|
| • Abstract submission:                 | <b>March 1, 2019</b>  |
| • Abstract notification of acceptance: | <b>March 15, 2019</b> |
| • Conference fee payment:              | <b>April 15, 2019</b> |
| • Papers submission:                   | <b>May 1, 2019</b>    |

### **CONFERENCE FEE**

Conference fee is **300 €** for participants and **150 €** for accompanying persons. The conference fee covers conference materials, welcome reception, conference banquet, social programme, lunches and coffee breaks. Bank information for conference fee transfer can be found at the Conference website:

**<http://fmsi2019.ipm.lviv.ua>**

## CONFERENCE CHAIRMEN

V. Panasyuk – Chairman (*Ukraine*)  
Yu. Bobalo – Vice-Chairman (*Ukraine*)  
Z. Nazarchuk – Vice-Chairman (*Ukraine*)

## ORGANIZING COMMITTEE

H. Nykyforchyn – Chairman  
A. Syrotyuk – Vice-Chairman  
O. Zvirko – Vice-Chairman  
M. Hredil – Secretary  
A. Balitskii, D. Dosyn, L. Frankevych,  
B. Kindratskyi, Ya. Khaburskyi, T. Lenkovskyi,  
V. Poznyakov, I. Shtoyko, B. Stasyuk,  
V. Uchanin, O. Zynyuk

## CONTACT INFORMATION (ORGANIZING COMMITTEE)

Karpenko Physico-Mechanical Institute  
of the National Academy of Sciences  
of Ukraine

5 Naukova St., Lviv 79060, Ukraine

**Tel:** +380 32 263 21 33 (*Chairman*)  
+380 32 229 62 94 (*Secretary*)

**Fax:** +380 32 264 94 27

E-mail: [conference.fmsi2019@gmail.com](mailto:conference.fmsi2019@gmail.com)

Web-site: <http://fmsi2019.ipm.lviv.ua>

## CONFERENCE MATERIALS PUBLICATION

Abstracts will be published in a book of abstracts and will be available during the registration. All the accepted papers, after being reviewed, will be published in an issue of *Procedia Structural Integrity* (Elsevier), which will be indexed in the Scopus citation database. Conference fee covers publication of one paper.

## CONFERENCE VENUE

Lviv is a major city in Western Ukraine located about 70 km from the Polish border and about 120 km from the Carpathian Mountains. Population of the city is about 800,000 and its metropolitan area has over one million people.

Lviv is a great scientific and educational center with 23 institutions of higher education, more than 40 research institutes, including 8 institutes of the National Academy of Sciences of Ukraine.

The city is known as a center of art, literature, music and theatre. Lviv has a lot of historical and architectural monuments, more than 60 museums, 100 churches of different confessions. The historical center of Lviv is included into the UNESCO World Heritage List. Thanks to holding more than 100 events and festivals annually, Lviv is recognized as the cultural capital of Ukraine. Due to the rich cultural programme and well-developed infrastructure Lviv has become the most attractive tourist destination in Ukraine hosting more than a million people per year.

The Conference will be held in Lviv Polytechnic National University (12 Bandery St., Lviv 79013, Ukraine).

