



VII International Conference “IN-SERVICE DAMAGE OF MATERIALS: DIAGNOSTICS AND PREDICTION” DMDP-2023

October 18-20, 2023, Ternopil, Ukraine

Dear colleagues!

As a good tradition, the Conference has been taking place every two years in Ternopil since 2011.

The prime focus of the Conference is on susceptibility of materials to in-service damaging, their serviceability under operational conditions, and assessment of structural integrity, reliability and life extension of structural components. During operation, materials of structural elements are subjected to damages whose nature is dependent on the mode of loading and operating conditions (high and low temperatures, cyclic loading, corrosive or hydrogenating environment, irradiation, etc.). Diagnostics of material damages and their characterization are of importance for the development of the methods for improving the reliability, and prediction of the residual life of structural elements.

The Conference will be organized in a hybrid mode (on-site and online presentations) in order to guarantee the maximum safety and conveniences for participants considering the current situation.

We are looking forward seeing you in Ternopil!

ORGANIZERS

European Structural Integrity Society

Ukrainian Society on Fracture Mechanics of Materials

Ternopil Ivan Puluj National Technical University

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

G.S. Pisarenko Institute for Problems of Strength of the National Academy of Sciences of Ukraine

MAIN TOPICS

The conference topics include but are not limited to:

1. Localized and nonlocalized damage of materials
2. Damage prediction
3. Non-destructive testing and damage detection
4. Degradation assessment and failure prevention
5. Crack initiation and propagation
6. Fractography and advanced metallography
7. Damage tolerance
8. Environmental effects
9. Durability
10. Structural integrity
11. Reliability and life extension of components
12. Failure analysis and case studies

IMPORTANT DATES

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| Propose a minisymposium | June 01, 2023 |
| Second announcement and call for papers | June 01, 2023 |
| Abstract submission, | September 01, 2023 |
| Registration | |
| Payment of the Conference fee | October 1, 2023 |
| Conference | October 18-20, 2023 |
| Submission of final manuscripts | To be announced |

CONFERENCE CHAIRPERSONS

Oleg Yasniy; oleg.yasniy@gmail.com
Olha Zvirko; olha.zvirko@gmail.com

ORGANIZING COMMITTEE

Volodymyr Iasnii – Chairman
Ihor Okipnyi – Scientific Secretary

PROCEEDINGS

All the submitted papers, after being reviewed, will be published in an issue of Procedia Structural Integrity (Elsevier, indexed in Scopus, WoS and Google Scholar).

CONFERENCE FEE

Standard fee: in presence 150 EUR; remote 100 EUR

For domestic participants: in presence 4000 UAH; remote 3000 UAH

Payment instruction and bank details for conference fee transfer can be found at the Conference website: <https://dmdp.tntu.edu.ua/fees-payment.html>

ADDITIONAL INFORMATION

The official language of the conference is English.

On-line information about the Conference is placed at the web-site: <http://dmdp.tntu.edu.ua>

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CONFERENCE VENUE

Ternopil is a city in the west of Ukraine located about 180 km from the Polish border.

The Conference will be held in Ternopil National Ivan Puluj Technical University (56 Ruska St., Ternopil 46001 Ukraine).

