



1st Biennial ESIS-CSIC Conference on Structural Integrity (BECCSI 2025)
November 25-28, 2025, Metropol Palace, Belgrade, Serbia

Multiscale aspects of structural integrity and Safety of technical system

TC-12 Risk analysis and safety of large structures minisymposium

This thematic session is intended to be a forum of discussion of the results in theoretical, experimental, and computational investigations focused on safety, reliability, maintenance, lifetime assessment of different technical systems and their elements operating under severe environmental conditions.

This topic covers various aspects of failure analysis of engineering materials on different levels (macro- and micro-) under complex mechanical loading in aggressive environments. These include, but not limited to, the following:

- Combined mechanical and chemical effect on structural integrity. Lifetime issues
- New materials. Design and technology solutions
- Failure mechanisms and reliability assessment
- Advance in materials characterization and modeling
- Protection solutions, including coating development
- Modern opportunities for diagnostic systems and the prospects of their development

Organizers:

Prof. Aleksandar Sedmak

Faculty of Mechanical Engineering, University of Belgrade, Belgrade, Serbia

e-mail: asedmak@mas.bg.ac.rs

Prof. José António Correia

INEGI, Faculty of Engineering University of Porto, Porto, Portugal

e-mail: jacorreia@inegi.up.pt

Prof. Vladimir Moskvichev

Federal Research Centre for Information and Computational Technologies, Krasnoyarsk, Russia

e-mail: krasn@ict.nsc.ru

Dr. Elena Fedorova

Siberian Federal University and Federal Research Centre for Information and Computational Technologies, Krasnoyarsk, Russia

e-mail: efedorova@sfu-kras.ru

Please,

indicate on BECCSI registration and submission form (<https://www.beccsi2025.com/authorscenter/>) that you want to participate to this minisymposia and send an email to asedmak@mas.bg.ac.rs and efedorova@sfu-kras.ru