



**1st Biennial ESIS-CSIC Conference on Structural Integrity
(BECCSI 2025)**

November 25-28, 2025, Metropol Palace, Belgrade, Serbia

Minisymposium title:

**Analytical and Computational Analysis of Mechanical Components under
Static and Dynamic Loading**

Organizers

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Overview of the Mini-symposium

This mini-symposium focuses on recent developments in the analysis of materials with pure alloy form as well as in Hybrid mode, such as composite and functionally graded materials (FGMs), with particular emphasis on the study of the mechanical parameters and their mathematical modelling. The original papers regarding the analytical and computational study of behaviour of functionally graded rotating discs, cylinders, rods and variations in Young's modulus and coefficient of thermal expansion, etc., are welcome to submit to this symposium. The mechanical problems solved using advanced numerical methods, such as finite difference, finite element, finite volume, boundary element, as well as mesh-free methods, are welcome to submit. The session aims to explore theoretical and computational strategies for evaluating stresses in complex FGM structures, promoting dialogue on innovative approaches in structural analysis and materials engineering.

Please, indicate on BECCSI registration and submission form

(<https://www.beccsi2025.com/authorscenter/>) that you want to participate to this minisymposium and send an email to manojshani117@gmail.com.