



University of Zagreb
Faculty of Mechanical Engineering
and Naval Architecture



ICSID 2023

7th International Conference on Structural Integrity and Durability

Dubrovnik, Croatia, September 19 – 22, 2023

&

Summer School

Fatigue and Fracture Modelling and Analysis

Dubrovnik, Croatia, September 18 – 19, 2023

HYBRID MODE



ICSID 2023

The objective of the ICSID 2023 conference is to bring together scientists and engineers from around the world to discuss how to characterize, analyze, predict and assess the fatigue and fracture of structural materials and components. The ICSID 2023 intends to be a forum for discussion of the present and future trends in experimental, theoretical and applied fracture mechanics, fatigue, structural integrity assessment, failure analysis, and other important topics in the field.

The ICSID 2023 Conference will be organized in a “**Hybrid Mode**”, i.e., a combination of on-site and online presentation in order to guarantee the maximum safety and conveniences for participants.

MAIN TOPICS

- Advanced testing and evaluation techniques
- Analytical Models
- Applications to components and structures
- Corrosion, environmentally enhanced degradation and cracking, corrosion fatigue
- Cyclic deformation and crack initiation
- Damage mechanics and models
- Databases, expert systems and software
- Durability and life extension of structures and components
- Failure investigation and analysis
- Failure of nanomaterials and nanostructures
- Fatigue and fracture of polymers, elastomers, composites and biomaterials
- Fatigue and fracture of weldments, welded components, joints and adhesives
- Fatigue and fracture simulation and testing at all length scales
- Fatigue crack path prediction
- Finite elements methods and their application
- Fracture and damage of cementitious materials
- Fracture and failure criteria
- Fretting fatigue and wear
- Low, medium and high cycle fatigue
- Macro scale fatigue prognosis techniques
- Microstructure scale computational modeling
- Mixed-mode and multiaxial fatigue and fracture
- Models, criteria and methods in fracture mechanics
- Multiscale materials modeling
- Non-destructive evaluation (NDE)
- Probabilistic Fracture Mechanics
- Reliability and integrity of engineering structures
- Residual stress effects
- Structural integrity assessment
- Surface treatment and failure resistance improvement
- 3D-printed materials and structures

GENERAL INFORMATION

CONFERENCE VENUE

Centre for Advanced Academic Studies
Don Frana Bulića 4, 20000 Dubrovnik, Croatia
Url: www.caas.unizg.hr

IMPORTANT DATES

Abstract submission	further possible on a case by case basis
Notification on abstract	within one week after receipt of abstract
Early registration	August 1, 2023
Submission of full paper (optional)	October 30, 2023

CONFERENCE CHAIR

Željko Božić

University of Zagreb
Faculty of Mechanical Engineering and Naval Architecture
Department of Aeronautical Engineering

CONFERENCE CO-CHAIR

Siegfried Schmauder

University of Stuttgart
Institute for Materials Testing, Materials
Science and Strength of Materials (IMWF)

REGISTRATION

Payment details:

Account holder	Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb
Address	I. Lučića 5, 10000 Zagreb, Croatia
VAT number	HR22910368449
Bank	Zagrebačka banka
Bank address	Trg bana J. Jelačića 10, 10000 Zagreb, Croatia
Account number	1101346933
IBAN	HR4723600001101346933
SWIFT	ZABHR2X
Purpose of bank transfer	ICSID 2023 LastName FirstName

Cash payment at the conference desk is possible.

ICSID 2023 – CONFERENCE

Participants	Before Jul 31, 2023	Aug 1 – Aug 31, 2023	After Sep 1, 2023
Regular	€ 600	€ 700	€ 750
Student	€ 500	€ 600	€ 650
Acc. persons	€ 150	€ 200	€ 200
Online participants	€ 450	€ 500	€ 500

The above listed prices include VAT (25 %).

The conference registration fees include: book of abstracts, electronic media with conference proceedings, coffee breaks, lunches, conference dinner and social program, admission to all scientific sessions.

ICSID 2023 – SUMMER SCHOOL

Participation fee	Before Jul 31, 2023	Aug 1 – Aug 31, 2023	After Sep 1, 2023
Student (Summer School)	€ 250	€ 300	€ 300
Online participants (Summer School)	€ 70	€ 100	€ 100
Student (ICSID 2023 + SS)	€ 650	€ 750	€ 800
Regular (ICSID 2023 + SS)	€ 750	€ 850	€ 900
Online participants (ICSID 2023 + SS)	€ 450	€ 500	€ 500

The above listed prices include VAT (25 %).

The Summer School provides an opportunity for scientists, researchers and engineers from academia and industry to get acquainted with fundamental aspects of fracture mechanics, recent trends in practical applications of fatigue and fracture models, and advanced approaches such as multiscale materials modelling. Leading scientists and experts will give lectures on experimental and numerical techniques for modelling, analysis and assessment of damaged components and structures.

CONTACT

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