



Catania, Italy

IGF25

25th International Conference
*Fracture and Structural
Integrity*

June 12-14, 2019
and
Fracture Mechanics
Summer School
June 9-11, 2019



www.igf25.it

Fees

Registration fees	Before 20.04.2019	After 20.04.2019
Delegate	€ 450	€ 600
Student delegate (IGF25)	€ 400	€ 550
Student delegate (Summer School)	€ 200	€ 350
Student delegate (Summer School + IGF25)	€ 500	€ 650
Remote delegate	€ 400	€ 550
Accompanying (family members)	€ 150	€ 200
IGF members discount: € 30		

IGF25 - Common and Student delegates:

Fees include:

- Lunches and coffee breaks;
- Social dinner.
- The publication of one paper on the dedicated issue of Procedia Structural Integrity.

IGF 25 - Remote delegates:

Fees include:

- The publication of one paper on the dedicated issue of Procedia Structural Integrity.
- The participation to a remote session with videopresentation and a remote question time.

All the Participants will be allowed to submit supplementary papers, with the following conditions:

- each supplementary paper will imply a fee increase of 30 euros/paper (publication cost contribution)
- only one presentation per author will be guaranteed.

Main topics

Analytical, computational and physical Models; Biomaterials and Wood Fracture and Fatigue; Biomechanics; Ceramics Fracture and Damage; Composites; Computational Mechanics; Concrete & Rocks; Creep Fracture; Damage Mechanics; Damage and fracture in materials under dynamic loading; Durability of structures; Environmentally Assisted Fracture; Failure Analysis and Case Studies; Fatigue - Crack Growth (all materials); Fatigue Resistance of metals; Fatigue of Metals – Very High Cycle; Failure Analysis and Forensic Engineering; Fractography and Advanced metallography; Fracture and Fatigue at Atomistic and Molecular Scales; Fracture and fatigue testing systems; Fracture under Mixed-Mode and Multiaxial Loading; Fracture vs. Gradient Mechanics; Functional Gradient Materials; Impact & Dynamics; Fundamentals of cohesive zone models; History of Fracture Mechanics and Fatigue; Innovative Alloys; Linear and Nonlinear Fracture Mechanics; Materials mechanical behavior and image analysis; Mesomechanics of Fracture; Micromechanisms of Fracture and Fatigue; Multi-physics and multi-scale modelling of cracking in heterogeneous materials; Multiscale Experiments and Modeling; Nanostructured Materials; Nondestructive Examination; Physical Aspects of Brittle Fracture; Physical Aspects of Ductile Fracture; Polymers Fracture and Fatigue; Probabilistic Fracture Mechanics; Reliability and Life Extension of Components; Repair and retrofitting: modelling and practical applications; Sandwiches, Joints and Coatings; Smart Materials; Structural Integrity; Temperature Effect; Thin Films

Venue

Four Points by Sheraton Catania Hotel & Conference Center
<http://www.fourpointscatania.com/>
Via Antonello da Messina 45, Aci Castello · Catania, 95021 · Italy

Important Dates

- Abstracts submission:
01.09.2018 – 15.01.2019
- Abstracts notification of acceptance
31.01.2019
- Papers submission:
01.02.2019 – 20.04.2019:
- Papers notification of acceptance:
20.04.2019
- Early bird registration
25.04.2019

Organizing Secretariat

Vittorio Di Cocco
Università di Cassino e del Lazio
Meridionale - DICeM
Via G. Di Biasio 43, 03043 Cassino (FR)
tel. 07762994334; fax 07762993781
gruppofrattura@gmail.com

IGF Secretariat

Luca Susmel
The University of Sheffield
Dept. of Civil and Structural Engineering
Mappin Street, Sheffield, S1 3JD, UK
tel. +44 (0) 114 222 5073
l.susmel@sheffield.ac.uk

Registration payments can be made:

- via Paypal (fees + 20 € as Paypal managing cost contribution);
- by bank transfer (free of charge for IGF)
- by credit card

Payment procedures are available in the event website www.igf25.it

It will be also possible to pay during the on-site registration (cash and main credit cards). In this case, a supplement of 50 € will be applied.

Conference Programme

The Conference Programme will be organized according to the following daily schedule

- 08.00 – 11.00 Oral Presentations
- 11.00 – 16.00 Open air discussions
- 16.00 – 20.00 Oral Presentations

Proceedings

All the submitted papers, after being reviewed, will be published in an issue of *Procedia Structural Integrity*, the new *Procedia* published by Elsevier and focused on the ESIS events.



Chairmen

- Francesco Iacoviello (IGF President)
Università di Cassino e del Lazio
Meridionale, Italy
- Giuseppe Ferro (IGF Vice-President)
Politecnico di Torino, Italy
- Donato Firrao (IGF Vice-President)
Politecnico di Torino
- Luca Susmel (IGF Secretary)
The University of Sheffield, UK

Fracture Mechanics Summer School June 9-11, 2019

Following the editions in Trieste and Udine, an IGF international summer school will be organized in Catania, with four leading scientists presenting different issues in the field of fracture mechanics and fatigue. The summer school is mainly aimed at PhD students, young researchers and engineers, but is naturally open to everybody. Participants will become acquainted with fundamental aspects, modelling and practical applications of fracture mechanics and fatigue.

Program: www.igf25.it

Registration before April 20, 2019:

Participation fee € 200

Registration after April 20, 2019:

Participation fee € 350

Summer School Secretariat and Registration

Giacomo Risitano
Università di Messina
Department of Engineering
Contrada Di Dio, 98166 - Messina (Italy)
Tel.: +390903977572
grisitano@unime.it