



Catania, Italy

ECF21

21st European Conference
on Fracture

June 20-24, 2016

and

Fracture Mechanics

Summer School

June 18-19, 2016



www.ecf21.eu

Fees

Registration fees	Before 20.04.2016	After 20.04.2016
Ordinary delegate	€ 650	€ 700
Student delegate (ECF21)	€ 450	€ 500
Student delegate (Summer School)	€ 150	€ 200
Student delegate (Summer School + ECF21)	€ 500	€ 550
Accompanying (family members)	€ 150	€ 200
ESIS members discount: € 50		

Fees include the publication of one paper on the dedicated issue of Procedia Structural Integrity. Participants will be allowed to submit supplementary papers, but with the following conditions:

- each supplementary paper will imply a fees increase of 30 euros/paper (publication cost contribution)
- only one presentation per author will be guaranteed. Depending on the program and on the submitted papers number, supplementary papers could be included in the poster session.

Registration payments can be made:

- via Paypal (fees + 20 € as Paypal managing cost contribution);
- by bank transfer (free of charge for IGF) to:
GRUPPO ITALIANO FRATTURA (IGF)
c/c n° 031000100940
EMILBANCA CREDITO COOPERATIVO
Via dell'Arcoveggio 56/22 – Bologna
IBAN: IT 02 L 07072 02408 031000100940
BIC/SWIFT: ICRAITRRTS0

After the payment by bank transfer, please send a confirmation mail to:
gruppofrattura@gmail.com
(with the operation number).

It will be also possible to pay during the on-site registration (cash and main credit cards).

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

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

Important Dates

- Abstracts submission:
10.09.2015 – 15.01.2016
- Abstracts notification of acceptance
31.01.2016
- Papers submission:
01.02.2016 – 20.04.2016:
- Papers notification of acceptance:
20.04.2016
- Early bird registration
20.04.2016

Scientific Secretariat

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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.

The issue will be submitted to Scopus (indexing upon approval by the Scopus advisory board), EI Compendex (indexing upon approval of the EI Compendex advisory board) and Web of Science CPCI (indexing upon approval of the Web of Science advisory board).



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 18-19, 2016

Following the first edition in Trondheim, an ECF 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.ecf21.eu

Registration before April 20, 2016:
Participation fee € 150

Registration after April 20, 2016:
Participation fee € 200

Summer School

Secretariat and Registration

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