

## 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

Facoltà di Ingegneria  
Università di Cassino e del Lazio Meridionale  
Via G. Di Biasio 43, 03043, Cassino (FR), Italy



## Fees

Delegates, bef. 15.05.2018: 350 €

Ph.D. students, bef. 15.05.2018: 200 €

Delegates, after 15.05.2018: 400 €

Ph.D. students, after 15.05.2018: 250 €

IGF 2018 members discount: € 30

Fees include: social dinner, one lunch, coffee breaks, IGF and ESIS 2018 membership and the publication of one paper on *Procedia Structural Integrity*.

Publication cost for supplementary papers (after the first): 30 €/paper

Registration payments can be made 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

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# IGF Workshop

## Fracture and Structural integrity: ten years of 'Frattura ed Integrità Strutturale'

Cassino, Italy, June 4-6, 2018



Sponsored by ESIS

(European Structural Integrity Society)

<http://www.gruppofrattura.it>

## Proceedings

All the submitted papers, after being reviewed, will be published in an issue of *Procedia Structural Integrity*.

Papers should be prepared according to the template that will be soon available on the IGF website.

Authors of selected conference papers will be invited to submit extended versions for publication in peer reviewed special issue of *Frattura ed Integrità Strutturale*.

## Deadlines

- 10.03.2018: Abstracts submission
- 20.03.2018: Abstracts notification of acceptance
- 30.04.2018: Papers submission
- 10.05.2018: Papers notification of acceptance
- 15.05.2018: Early bird registration

## Organizing Secretariat

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## IGF Secretariat

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## Official Language

English will be the official language of the event.

## Members' Meeting

The IGF Members' Meeting will be held in the IGF workshop venue, (Date: June 5, 2018; Time: 17.15), with the following agenda:

- 1) Agenda approval
- 2) Approval of the minutes of the last Members' meeting (March 2, 2017)
- 3) President's communications;
- 4) President Annual Report;
- 5) Auditors' Report
- 6) Approval of Financial Statement 2017;
- 7) IGF Next Events (2019);
- 8) 2019 IGF Membership Fee;
- 9) Miscellaneous.

## Hotels and B&B (walking distance)

- Hotel Alba (+39. 0776 21873)

Via Gaetano di Biasio, 53, Cassino.  
<http://www.albahotel.it/>

- Hotel Piazza Marconi (+39.077626025)

Via Guglielmo Marconi 53, Cassino.

<http://www.hotelpiazzamarconi.it/>

- Hotel Gari (+39.0776325057)

Piazza Corte, Cassino

<http://www.hotelgari.it/>

- B&B "la Stazione di posta" in Centro

(+39. 333 344 5801) Via degli Eroi, 9

- B&B Allaportaccanto (+39.338 488 2252)

Via Secondino Pagano, 7

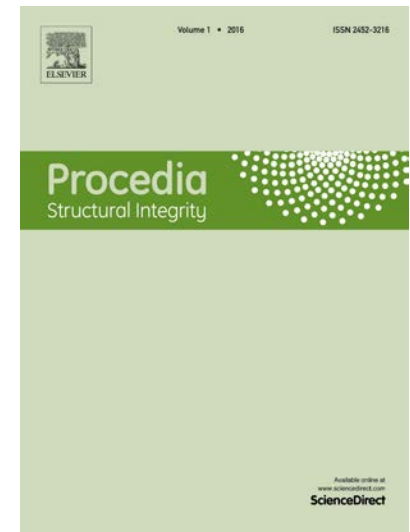
The list of the other hotels will be available in the IGF website.

## Sponsored by

- ESIS (European Structural Integrity Society)

## Registration

The registration form will be soon available in the IGF website: [www.gruppofrattura.it](http://www.gruppofrattura.it)



## Procedia Structural Integrity

*Procedia Structural Integrity* is an open access product focusing entirely on publishing full sets of conference proceedings, enabling fast, worldwide dissemination so that conference delegates can publish their papers in a dedicated online issue on ScienceDirect.

*Procedia Structural Integrity* publishes conference proceedings organized by the European Structural Integrity Society (ESIS), by its Technical Committees or by the National Groups that are affiliated with ESIS, with an emphasis on all areas of Fracture, Fatigue and Structural Integrity.

Each issue of *Procedia Structural Integrity* is 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)