

International symposium on fatigue crack growth – experimental, theoretical and numerical approach

1. Symposium title

International symposium on fatigue crack growth – experimental, theoretical and numerical approach

2. Organizers, including affiliations

Abílio de Jesus (University of Porto, Portugal)

Filippo Berto (Norwegian University of Science and Technology, Norway)

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4. Short description of the symposium including the scope and target public

The International Symposium on Fatigue Crack Growth – Experimental, Theoretical and Numerical Approach (FCG 2018) is organised by Faculty of Engineering of the University of Porto (FEUP), which will take place on the beautiful Porto city, Portugal, on 5-7 September 2018. This Symposium is intended to be a forum of discussion of the recent advances about the predictions of the fatigue crack paths, growth rate based on the theoretical, experimental and numerical approach in metallic materials. All papers with practical failures case studies and examples of its improvements with fracture mechanics approach will be invited. The International Symposium will be also a good opportunity for implementation recent-modern scientific fracture mechanics developments in engineering practice.

Selected papers of the FCG2018 will be published on *Engineering Fracture Mechanics and Theoretical and Applied Fracture Mechanics* journals.

Please submit your work by email to Grzegorz.Lesiuk@pwr.edu.pl or sirel@fe.up.pt with subject **FCG2018** (or **A-FCG-ICMFM**).