

ISFCG 2027

International Symposium on Fatigue Crack Growth Experimental, Theoretical and Numerical Approaches

Organized within the 7th International Conference on Structural Integrity (ICSI 2027), the **International Symposium on Fatigue Crack Growth (ISFCG 2027)** aims to bring together researchers, scientists and engineers working on fundamental and applied aspects of fatigue crack propagation and structural integrity.

The symposium will provide an international forum for presenting and discussing recent advances in the experimental characterization, theoretical description and numerical modelling of fatigue crack growth in metallic materials. Particular attention will be given to crack growth mechanisms, crack path prediction, mixed-mode and multiaxial fatigue, energy-based and fracture mechanics approaches, and engineering applications.



Topics include:

- fatigue crack growth mechanisms
- crack path prediction
- mixed-mode and multiaxial fatigue
- energy-based and fracture mechanics approaches
- **experimental methods** and numerical modelling
- engineering applications and failure analysis



Contributions and publications

Authors are invited to submit original contributions presenting recent research developments, experimental findings, numerical investigations and engineering applications. Submitted abstracts will undergo peer review in accordance with the conference guidelines. Accepted contributions will be considered for publication in the conference proceedings within the **Springer Book Series on Structural Integrity**, subject to the applicable submission and review requirements. Selected papers may also be invited for journal publication.



Organizing Committee

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**Funchal, Madeira,
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**29 August -
2 September 2027**



**Abstract deadline:
28 February 2027**



Conference website: www.icsi.pt