

ECF23, European Conference on Fracture

June 27 — July 3, 2020. Funchal, Madeira, Portugal

ESIS TC8 Symposium: “Numerical Methods for Fracture”

Symposium “**Numerical Methods for Fracture**” will be organised by Technical Committee 8 of the European Structural Integrity Society (ESIS) within the framework of the 23rd European Conference on Fracture — ECF23 to be held in Funchal, Madeira, Portugal, 27 June — 3 July 2020 (<https://www.ecf23.eu>)

The Symposium will bring together researchers developing models and associated numerical methods to simulate damage development, crack initiation and growth in test specimens and actual structures.

The main topics will be as follows:

- Development of new damage/fracture models
- Tools to simulate the failure of specimens and structures
- Phase-field models for failure
- Regularized models for failure
- Crack propagation over long distances / re-meshing
- Cohesive Zone Models
- Tools for LEFM — NLFM
- X-FEM methods
- Tools for ductile, creep, brittle fracture and transition
- Applications to large structures
- ...

All contributions in the form of extended abstracts will be peer reviewed by the members of TC8 Scientific Committee. Full papers will be published in a special issue of the ESIS scientific journals (Elsevier) upon peer review and acceptance.

Organizers

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