

## **MINISYMPOSIUM ECF22**

### **Energy Methods for Fatigue Assessment**

The 22<sup>st</sup> European Conference on Fracture (ECF22) is soliciting papers for publication and presentation in the technical sessions of the Symposium on Energy Methods for fatigue assessment.

ECF is one of the premier conferences in the field of fracture, fatigue and structural integrity, and has been held biennially since 1976. This is a very good opportunity for discussing between academia and industry for presenting recent studies as well as new problems, solutions and techniques.

Non-destructive methodologies for the characterization of materials by thermal methods have increasingly greater scientific attention among researchers.

The proposed symposium aims to expand the past activities to study, develop and apply experimental energy methods for stress-deformation analysis on mechanical materials and components, for the fatigue characterization of mechanical systems, for fracture mechanics and for the damage control in both static and dynamic fields.

This symposium will focus on general topics associated with energy approaches to describe the fracture behavior of structural materials with emphasis on the development and application of fatigue assessment for structural integrity. Papers covering the following topics (but not limited to) are welcome:

- Thermographic Method
- Strain Energy Density
- Full-Field Measurement
- Crack Propagation
- Fatigue Crack Growth
- Stress Intensity Factor

Abstract submission deadline: 31 Jan 2018

Organizers:

Giacomo Risitano, University of Messina, Messina, Italy ([grisitano@unime.it](mailto:grisitano@unime.it))