

## ICSI2017

### Fracture and Fatigue in presence of cracks or notches

Fracture failure (that is, any failure caused by crack propagation under static loading) and fatigue failure (that is, gradual crack propagation under time-varying loading) are among the most catastrophic failures that structures may experience, since they occur without any warning.

When a structural component contains a notch, failure may be due to growth of a crack starting from the notch root. Failure of structural components weakened by cracks and/or notches is a research topic of many experts, since it deals with a large number of applications in different engineering fields, and is becoming progressively more relevant for technological development of automobiles, aircrafts, pumps, turbines and so on.

Significant contributions from engineers, metallurgists, material scientists are expected, allowing an interesting multidisciplinary discussion.

#### **Organising Committee**

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