

## Innovations in Crack Detection Methods

The early detection of cracks in samples and components is not only of great interest in fatigue experiments, it is also of enormous importance for predicting the remaining service life of bridges or components in aircrafts. Therefore, developing new methods and improving existing ones is a major challenge for both scientific and commercial use.

In addition to new developments in the field of non-destructive testing, methods for detecting cracks in ongoing fatigue and creep experiments as well as methods for structural health monitoring are to be presented and discussed. The symposium is intended to be a forum for a broad discussion of new developments in the field of crack detection in a wide variety of materials and all areas of application.

The topics of the Symposium include:

- In-Situ crack detection in experiments
- Crack detection in components and buildings
- Optical crack detection
- Non-destructive testing methods (Ultrasound, Eddy Current,...)
- Strain measurement techniques (Digital Image Correlation,...)
- Thermographic analysis
- Acoustic emission
- AC and DC Potential drop measurements
- ....