

Dear Colleague,

I invite you to submit an abstract to the Symposium

**“Role of NDE in safety of high risk components”**

organised by Technical Committee 17 “Non-destructive Evaluation” of the European Structural Integrity Society within the framework of the 22<sup>nd</sup> European Conference on Fracture - ECF22 to be held in Belgrade, Serbia, 26-31 August 2018 (see <http://www.ecf22.rs/>).

**The deadline for the abstracts is 31 January 2018.**

The aim of this Symposium is to bring together specialists in non-destructive examination, non-destructive evaluation, fracture mechanics, fatigue, materials science, risk and reliability assessment, structural integrity assessment to discuss latest developments, best practices and trends in safety analysis and lifetime estimation with special focus on role of NDE of structures and components in assets of high risk and high value such as power and process plants, off-shore / marine facilities and components, bridges, railway, aerospace, and so on.

The topics of the Symposium include, but are not limited to, the following:

- State-of-the-art of NDE methods and techniques;
- Role of the elements of NDE reliability;
- Capability demonstration of NDE systems;
- Probability of detection – measurement, simulation;
- Applicability of various NDE methods and techniques;
- Non-linear signal processing;
- NDE and Industry 4.0;
- Tailoring NDE to detect specific degradation processes;
- Material characterization NDE methods;
- NDE methods for early warning of materials degradation;
- Fracture mechanics requirements in relation to NDE;
- Modelling and simulation in the field of NDE.

A selection of papers presented at this Symposium will be published in a Special Issue of ***Engineering Fracture Mechanics, International Journal of Fatigue, Engineering Failure Analysis and/or Theoretical and Applied Fracture Mechanics.***

IMPORTANT:

1) When submitting your abstract please mention the name of Symposium **“Role of NDE in safety of high risk components”**.

2) Please inform me about your submission/intention to submit so that I could plan Symposium’s sessions.

3) Please forward this invitation also to your colleagues interested in the subject.

With best regards,

Peter Trampus

ESIS TC17 Chair