

FATIGUE DESIGN 2015



The 6th Fatigue Design 2015 conference aims to present the most innovative approaches and scientific progress in design methodologies, tools, and equipment's life extension, focusing on industrial applications.

For the first time, the organizing committee has decided to dedicate the conference to the scientific community from a specific committee country.

In respect to the USA advance research works in the area of fatigue and fracture mechanics in the last decade, for Fatigue design 2015, the USA is the "partner country" for this conference.

The selected topics concern the various aspects of fatigue design :

- experimental and numerical design and validation methods,
- damage tolerance and fatigue life,
- reliability-based approaches and probabilistic methods,
- fatigue under severe conditions environment (corrosion, low temperature...),
- nonlinear behavior and cumulative damage,
- fatigue of assemblies (mechanical, welded, adhesive-bonding, multimaterial...),
- composite and elastomers,
- bio-mechanical and orthopaedic implant,
- contact fatigue,
- vibration fatigue behavior,
- complex loadings,
- thermal and thermo-mechanical fatigue,
- taking into account manufacturing process in fatigue analysis (effect of microstructure,
- welding, stress relief techniques...),
- fatigue of Shape Memory Alloys.

More information at www.fatiguedesign.org



PLACE AND DATE :

Cetim

**FROM NOVEMBER 17, 2015
TO NOVEMBER 18, 2015**

organized by Cetim

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