

FATIGUE DESIGN 2021



The 10th Fatigue Design conference held in 2023 aims to present the most innovative approaches and scientific progress in design methodologies, tools, and equipment's life extension, focusing on industrial applications.

For this edition, the focus will be on Fatigue Life Extension and Residual Life Assessment.

For more than 20 years, FD has welcomed an average of 300 participants and covered around a 100 conferences in just two days. 95% of participants are satisfied or very satisfied with the event, and 100% would recommend the congress to a colleague (figures from the FD2021 satisfaction survey).

The organizing committee wants to keep the conviviality of a conference in Cetim Senlis, France, which is the soul of the Fatigue Design. Indeed, there will be the possibility of holding a conference and discuss it in face to face, of holding a stand, of being a sponsor, and of exchanging to create networking. At last, an exceptional gala dinner for this anniversary edition.

However since 2021, for people who will have difficulties to come to Senlis, the conferences will be also available in a digital version.

Themes Fatigue Design 2023

The selected topics concern the various aspects of fatigue :

- additive manufacturing,
- big data and artificial intelligence,
- bio-mechanical and orthopaedic implant,
- complex loadings,
- composites and elastomers,
- contact fatigue,
- damage tolerance and fatigue life, residual stress assessment,
- experimental and numerical design and validation methods,
- fatigue and manufacturing process (effect of microstructure, welding, residual stresses,...),
- fatigue in transmission system,
- fatigue of assemblies (mechanical, welded, adhesive-bonding, multimaterials,...),
- fatigue of shape memory alloys,
- fatigue under severe environmental conditions (H_2 , corrosion, low temperature,...),
- nonlinear behavior and cumulative damage,
- reliability-based approaches and probabilistic methods,
- thermal and thermo-mechanical fatigue,
- vibration fatigue.

More information on the website : www.fatiguedesign.org

PLACE AND DATE :

Cetim

**FROM NOVEMBER 29, 2023
TO NOVEMBER 30, 2023**

organized by Cetim

YOUR CALLER :

Fabien Lefebvre
Tél. : 09 70 82 16 80
sqr@cetim.fr

REGISTRATION

Phone : +33 970 821 680
sqr@cetim.fr
or Register online on cetim.fr -
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