

Conference announcement

ICMFF12

12th International Conference on Multiaxial Fatigue and Fracture

www.icmff12.org

Bordeaux (France), June 24 – 26, 2019



Organized by:



With the support of:



Foreword

The aim of this conference is to share the latest developments in multiaxial fatigue and fracture by scientists and engineers from all over the world. New researches as well as applications in industry are of interest. This conference is a good opportunity for experimentalists, theoreticians, industrial practitioners and academic experts to discuss current progress and build a bridge between their areas of expertise.

After Seville in 2016, this is the 12th conference in a series of successful conferences dedicated to this topic held every three years.

Papers on experimental set-ups, material characterization, analytical models, numerical models, etc. are all welcome.

Special Issues of the two following International journals will be published after the conference with extended versions of some selected papers presented at ICMFF12.



International Scientific Committee

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A.G. Kotousov, Australia	M. Vormwald, Germany
T. Lagoda, Opole, Poland	

Conference Chairmen

Thierry PALIN-LUC, Bordeaux, France
Franck MOREL, Angers, France
Andrea CARPINTERI, Parma, Italy

Main Topics of the Conference

Experimental, modelling and numerical simulations dealing with multiaxial fatigue and fracture at different scales (component, usual specimen and microstructure) are welcome.

Both engineers from industrial laboratories and research scientists are invited to contribute on any of the following topics:

1. Loadings

Constant amplitude (LCF, MCF, HCF, VHCF); Variable amplitude and damage accumulation; Gigacycle fatigue; Thermal fatigue and creep; Contact and fretting fatigue; Proportional and non-proportional loadings.

2. Fracture Mechanics

Initiation and short crack growth; Mixed mode behavior; Multiaxial fracture.

3. Materials

All the materials are concerned: Metallic; Non-metallic; Composites; Defects and inhomogeneities; Constitutive modelling; Damage mechanics.

4. Testing and Applications

Design (notches and stress concentrations); Joined structures; Residual stresses; Case studies; Virtual simulation; Experimental verification; in-situ experiments.

Conference Venue

The 12th International Conference on Multiaxial Fatigue & Fracture (ICMFF12) will be held in the University of Bordeaux in the well known city of Bordeaux (France) from June 24 to 26, 2019.

Bordeaux is located 50 km far from the Atlantic ocean coast, in the southwest of France with an international airport and at 2 h only from Paris by high speed train.

Bordeaux is known in the world as the major wine industry capital. Its wine has been produced in the region since the 8th century. The historic part of the city is on the UNESCO Heritage List as "an outstanding urban and architectural ensemble" of the 18th century. After Paris, Bordeaux has got the highest number of preserved historical buildings of any city in France. Bordeaux economy is also organised on aeronautics and space industry for civil and military application with laser and plasma technologies too. Bordeaux area has the most important concentration of optical and laser expertise in Europe.

Furthermore, Bordeaux and the Nouvelle Aquitaine region are very attractive for Tourism.

The chairmen warmly invite you to join us for enjoying ICMFF12, for visiting Bordeaux and its region. Together with all the members of the Scientific and Organizing Committees, we look forward to meeting you in Bordeaux.

Key Dates

Call for abstract (opening):	Sept. 14th 2018
Abstract submission deadline	
extended to	Jan., 14th 2019
Abstract acceptance:	Jan., 25th 2019
Camera ready paper (deadline)	March, 15th 2019

All the accepted papers will be published on line in the proceedings of ICMFF12 with an ISBN.

Local Organising Committee

Nicolas SAINTIER, Bordeaux
Charles BRUGGER, Bordeaux

Organising Committee

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Guillaume Thoquenne, CETIM.

Sponsorship

Sponsors are welcome to support this event.
Please contact by e-mail: ICMFF2019@adera.fr

Accompanying Exhibition

Companies interested in presenting their products, processes and achievements relating to the subject and in offering personal consultancy will have the opportunity to do so in the exhibition which will be held parallel to the Conference.
Please contact by e-mail: ICMFF2019@adera.fr

