

Dear Colleague,

we invite you to submit an abstract to the mini-symposium

„Multiscale Damage Analysis of Fatigue and Fracture of Metals“

organised within the framework of the 22nd 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 mechanics, micromechanics and nanomechanics of materials, applied mathematics, continuum mechanics, materials science, physics, and engineering to discuss latest developments and trends in experiments and simulation of metals, alloys, ceramics and composites as well as specialists in methods of simulation and advanced numerical tools in the field of multiscale simulation of materials.

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

- Structural integrity of components in engineering application;
- Damage, fatigue, creep and degradation of materials used in small and large scale applications;
- Structural integrity of motor components;
- Mechanical performance and structural integrity of 3D-printed structures;
- Multiscale inspired development of materials;
- Mechanical characterisation of multiscale materials;
- Fracture mechanics of multiscale materials;
- Damage in hard and soft multiscale materials;
- Response of complex materials to dynamic loading;
- Numerical simulations of properties and performance of multiscale materials.

IMPORTANT:

1) When submitting your abstract please mention the name of the Symposium - **“Multiscale Damage Analysis of Fatigue and Fracture of Metals”**.

2) Please inform us about your submission/intention to submit so that we could plan Symposium's sessions.

With best regards,

Siegfried Schmauder and Zeljko Bozic

ECF22 Symposium Chairs

Prof. Dr. rer. nat. Dr. h. c. Siegfried Schmauder
Institut für Materialprüfung, Werkstoffkunde
und Festigkeitslehre (IMWF)
Universität [Stuttgart](#)
[Pfaffenwaldring 32](#)
D-70569 Stuttgart
Tel.: [+49/711/685-62556](tel:+4971168562556)
Fax: [+49/711/685-62635](tel:+4971168562635)
E-Mail:
siegfried.schmauder@imwf.uni-stuttgart.de

Professor Željko Božić
University of Zagreb
Faculty of Mechanical Engineering
and Naval Architecture
Department of Aeronautical Engineering
Ivana Lucica 5, 10000 Zagreb, Croatia
Phone: + 385 1 6168 536
Mobile: + 385 98 186 3915
Fax: + 385 1 6156 940
Email: zeljko.bozic@fsb.hr