



MINISYMPOSIUM

FATIGUE AND FRACTURE OF WELDED CONNECTIONS AND COMPLEX STRUCTURES

1. Thematic session title

Fatigue and Fracture of welded connections and complex structures (FFWCCS)

2. Organizers, including affiliations

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4. Short description of the symposium including the scope and target public

The International Symposium on Fatigue and Fracture of welded connections and complex structures (FFWCCS) is organized within of the “20th International Colloquium on Mechanical Fatigue of Metals”, which will take place on the Wrocław, Poland, on 15–17 September 2021. This Symposium is intended to be a forum of discussion on fatigue testing for welded joints, and the predictions of their durability. The International Symposium will provide also an excellent opportunity to present the latest methods on fatigue analysis of welded joints.

Contributions are welcome on the following topics, among others:

- Fatigue behaviour of welded joints (LCF to HCF, multiaxial, damage accumulation, crack initiation and propagation, probabilistic and reliability methods, etc.);
- Integrity and reliability assessment of welded connections and complex structures;
- Fatigue numerical analysis of welded connections in metals and parts;
- Effects of processing parameters on fatigue and fracture performances;
- New testing procedures for welded joints: fatigue standardization and qualification.

Selected papers of the B-ICMFM2020- FFWCCS will be encouraged to be submitted to journals associated with the ICMFM2020. The B-ICMFM2020- FFWCCS. The symposium is envisaged as an ESIS activity promoted by the ESIS-TC12.

Please submit your work by email to **D.Rozumek@po.edu.pl** or **icmfmx@pwr.edu.pl** with subject B-ICMFM2020- FFWCCS