



The International Symposium on “High Strain Rate Testing of Engineering Materials and Structures” will be held in the “3rd International Conference of Structural Integrity (ICSI)”, which will take place on the beautiful Madeira Island, Portugal, on 2-5 September 2019.

The Symposium provides the opportunity to overview recent developments on the study of the dynamic response of engineering materials and structures when subjected to high strain rate loading, impact, crash, shock or extreme conditions. The mechanical behaviour of materials is typically strain rate dependent. Primary structures are often designed for applications where dynamic or extreme loading scenarios can occur, such as in the aerospace and automotive industry. The progress of computer science, automated image processing and digital cameras, together with new advances in experimental and computational mechanics have been enabling new perspectives in the characterisation, modelling and simulation of the dynamic behaviour of engineering materials. The Symposium targets contributions overlooking the state-of-the-art and latest development in high strain rate testing and modelling of engineering materials and structures.

Academic and industrial contributions are welcomed, particularly on the following subjects:

- Experimental Techniques
- Modelling & Numerical Simulation
- Industrial case studies
- Biomechanics

All contributions, in the form of extended abstracts, will be peer reviewed by the members of ICSI 2019 Scientific Committee.

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Hannes Koerber, Technical University of Munich, Department of Mechanical Engineering, Munich

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