

Engineering against failure (5th ICEAF)

Preventing failure of engineering structures necessitates involvement of a large amount of expertise and, depending on the application, might require for a multi-disciplinary and multi-scale approach in terms of both size and time. The series of the International Conference of Engineering Against Failure (ICEAF) aims to provide on a biennial basis a forum to present relevant scientific and technological achievements and discuss with an audience of international experts.

This special issue contains selected papers from works presented at the ICEAF V, which was held in Chios, Greece, on June 20–22, 2018. More than 150 participants contributed to a high-level scientific gathering providing some of the latest research results on the topic as well as some of the latest relevant technological advancements. Particular attention has been given at offering the opportunity to young researchers, from Greece and all over the world, to present their work.

The topics of the Conference were addressed by seven key-note lectures given by world-class scientists and 144 scientific papers structured in a total of 27 sessions. The scientific responsibility of the ICEAF V Conference was shared between the Laboratory of Technology and Strength of Materials and the Applied Electronics Laboratory, both University of Patras. Furthermore, the ICEAF V Conference was held under the auspices of the Federation of European Materials Societies, the Hellenic Metallurgical Society, the European Aeronautics Science Network and the Industrial Systems Institute.

We are confident that the 6th ICEAF Conference in Spetses Island will build on the previous successful ICEAF Conferences and continue the already established tradition of a “customized,” low-cost conference acting as a forum for experienced international scientists but also young, motivated researchers to present new scientific knowledge and technological innovation, exchange views and establish new cooperation perspectives.

Looking forward to welcoming you to ICEAF VI Conference, in Spetses, Greece 2020!

The Conference Co-Chairmen

Professor Spiros Pantelakis

Professor Stavros Koubias



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