Fatigue in Materials: Fundamentals, Multiscale Modeling and Prevention

This symposium features new discoveries and advances in the fields of materials fatigue and life prediction. It brings together research scientists and design engineers from all over the world to present current issues in investigation and simulation of fatigue damage, identification of fatigue precursors, enhancement of fatigue strength and resistance, quantitative relationships between microstructure/environment and fatigue properties, and life prediction, etc. This symposium further provides a platform for fostering new ideas about development of microstructure-based models to quantify the total life of a material including damage incubation, initiation, as well as early and subsequent growth.

Organizers include:
Antonios Kontsos, Drexel University (USA)
Tongguang (Tony) Zhai Zhai, University of Kentucky (USA)
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