

**JOIN US AT:**

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**TMS 2017**  
146<sup>th</sup> Annual Meeting & Exhibition



**February 26 – March 2, 2017**  
**San Diego, California, USA**

## **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 their latest work on current issues in:

- Investigation and simulation of fatigue damage
- Identification of fatigue weak links
- Enhancement of fatigue strength and resistance
- Quantitative relationships among processing, microstructure, environment, and fatigue properties
- Life prediction

This symposium provides a platform for fostering new ideas about development of microstructure-based models to quantify the total life (including fatigue crack initiation and early growth) of a material.

### **ORGANIZERS**

**Ashley Spear**, University of Utah, USA

**Jean-Briac le Graverend**, Texas A&M University, USA

**Antonios Kontsos**, Drexel University, USA

**Tongguang Zhai**, University of Kentucky, USA

### **PROCEEDINGS PLANS**

A stand-alone proceedings volume is planned for this symposium. Manuscripts for accepted abstracts are due September 1.

### **SYMPOSIUM SPONSORS**

TMS Advanced Characterization, Testing, and Simulation Committee

TMS Computational Materials Science and Engineering Committee

TMS Mechanical Behavior of Materials Committee

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