

SUBMIT AN ABSTRACT FOR THE FOLLOWING SYMPOSIUM

MATERIALS DEGRADATION AND DEGRADATION BY DESIGN

Advances in the State-of-the-Art of High Temperature Alloys

High-temperature alloys continue to play a vital role in many applications and industries, such as aerospace and energy. Key aspects of development efforts include improving system efficiency by raising the maximum operating temperature, improving the strength/density ratio, and ensuring long-term mechanical performance. In recent years, there have been advances on several fronts, such as the design of novel Co-based superalloys, multi-principal element alloys, refractory systems, and predictive capabilities for lifetime performance. This symposium aims to provide a setting for submissions from academia, government, and industry to discuss recent advances in understanding the fundamental behavior, structure, properties, and performance of high-temperature alloys.

SPONSORED BY:

TMS Structural Materials Division; TMS High Temperature Alloys Committee

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