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TMS 2020

149th Annual Meeting & Exhibition

February 23-27, 2020 • San Diego, California, USA



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Advanced Materials

Innovations in High Entropy Alloys and Bulk Metallic Glasses: An SMD & FMD Symposium in Honor of Peter K. Liaw

This symposium will provide an opportunity for invited speakers from academia, industries, and governments to discuss the current interest and progress in advanced structural and functional materials, including bulk-metallic glasses (BMGs), high-entropy alloys (HEAs), etc.

The symposium is to honor Prof. Peter K. Liaw for his significant contributions to materials science and engineering and TMS. The aim is to provide a mechanism for a group of students, researchers, engineers, and administrators to promote idea exchanges and advance the fundamentals and applications of materials science and engineering. The process from the basic materials research to successful applications will be examined. The symposium will have dedicated sessions that emphasize processing, microstructures, and mechanical behavior of BMGs, HEAs, etc. in which Prof. Liaw has made great contributions. Other sessions will address fatigue and fracture behavior, theoretical modeling, and simulations of structural materials. In-situ studies of microstructural and mechanical damages during deformation will be included, such as neutron and synchrotron diffraction, thermography, electron microscopy, acoustic emission, etc.

This symposium is by invitation only.

ORGANIZERS

Michael Gao, National Energy Technology Laboratory, USA

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Robert Maass, University of Illinois at Urbana-Champaign, USA

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Abstract Deadline is July 1, 2019. Submit online at
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