

JOIN US AT:

THE WORLD COMES HERE.

TMS 2017
146th Annual Meeting & Exhibition



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

MATERIALS BY DESIGN: AN MPMD SYMPOSIUM HONORING GREG OLSON ON THE OCCASION OF HIS 70TH BIRTHDAY

The foundation of computational materials design and integrated computational materials engineering (ICME) has been pioneered by Professor Greg Olson over the last thirty years. Olson has successfully demonstrated the use of a systems design approach for designing new materials by calculating optimum composition and processing routes to achieve desired materials properties. This approach has dramatically reduced the time and cost of the alloy development process. This symposium is dedicated to Olson on the occasion of his 70th birthday.

The scope of this **invitation-only symposium** includes the following topics:

- Martensitic transformations
- Transformation induced plasticity and its application to ductility and fracture toughness
- Kinetics of coupled diffusional/displacive transformations
- Electronic basis of embrittlement mechanisms in metals
- Structure-property relations
- Applications of high-resolution microanalysis

ORGANIZERS

Carelyn Campbell, National Institute of Standards and Technology, USA

Michele Manuel, University of Florida, USA

Wei Xiong, Northwestern University, USA

Jason Sebastian, QuesTek Innovations, USA

PROCEEDINGS PLANS

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

SYMPOSIUM SPONSOR

TMS ICME Committee

PLAN TO JOIN US AT TMS2017. VISIT WWW.TMS.ORG/TMS2017 FOR MORE INFORMATION