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TMS 2018
147th Annual Meeting & Exhibition



MARCH 11 – 15, 2018
PHOENIX, ARIZONA

SUBMIT AN ABSTRACT TO:

NANOSTRUCTURED MATERIALS

**NANOCOMPOSITES V: STRUCTURE-PROPERTY RELATIONSHIPS
IN NANOSTRUCTURED MATERIALS**

Nanocomposites are designed at the nanoscale to take advantage of the unique properties of nanoscale materials. Nanocomposites can be composed of materials from all material classes and are available in a variety of forms such as nanoparticles dispersed in a matrix and nanolaminate materials. While the nanocomposite field has matured greatly in the past 30 years, this diverse set of materials continues to be actively studied by scientists and engineers in many disciplines to achieve unique combinations of structural and functional properties.

This symposium seeks to build upon the multidisciplinary nature of nanocomposite research and serve as an international forum for scientists and engineers. The symposium will provide an opportunity for researchers to discuss the structure-property relationships of nanocomposites with a focus on understanding how the design of nanostructures may be used to achieve property goals. This focus will provide commonality in research concerning discontinuously reinforced nanocomposites, nanocomposites with networked particles, multiscale composites, and nanolaminate materials. Ultimately, this framework will be used to identify issues with overarching impact. Presentations in all areas of nanocomposites, nanolaminate materials, and their constituents are welcome.

ORGANIZERS

Meisha Shofner, Georgia Institute of Technology, USA
Nikhilesh Chawla, Arizona State University, USA

SPONSORS

TMS Structural Materials Division
TMS Composite Materials Committee

ABSTRACT DEADLINE IS JULY 1, 2017. SUBMIT ONLINE AT www.programmaster.org/TMS2018.

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