

TMS2015

144th Annual Meeting & Exhibition

March 15-19, 2015 • Walt Disney World
Orlando, Florida, USA

Connecting the global minerals, metals, and materials community.



Plan Now to Attend:

Nanocomposites III

Nanocomposites may be viewed as abundant interface nanoscale systems having the ability to manipulate length-scales fundamentally important to many physical properties. Sometimes, this can impart multiple functions, which has led to a rapidly expanding scope and arena of application for these materials. In line with typical composite logic, the function of nanoparticles in a matrix is dependent on: (i) nanoparticle-matrix interaction and (ii) nanoparticle distribution in the matrix. This is with regard to any material property of the nanocomposites, be it crystallographic and/or electronic structure related.

This symposium will highlight a broad cross-section of contemporary research on the structure, processing, property, characterization, and modeling aspects of nanocomposite materials, including nanoparticle- and/or nanofiber-based materials. Contributions are solicited in, but not limited to, nanocomposites for mechanical, thermal, energetic/catalytic, optical, magnetic, electronic, and biological applications. Submissions that focus on nanocomposites for multi-functional or green-energy applications are especially welcome.

Sponsored by:

- TMS Structural Materials Division
- Composite Materials Committee

Organized by:

Muralidharan Paramsothy, National University of Singapore (Singapore)
Meisha L. Shofner, Georgia Institute of Technology (USA)
Changsoo Kim, University of Wisconsin-Milwaukee (USA)

**For more information on how
to participate, visit:**

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Questions? Contact programming@tms.org