



2014 and 2015 editorial calendar

December 2014

Theme: Materials for Extreme Environments

- Nuclear Applications of ODS and NFA Alloys
- Long-Term Durability and Stability of High-Temperature Alloys
- Radiation Effects in Oxide Ceramics and Novel LWR Fuels

Manuscripts Due: Deadline Passed

January 2015

Theme: Applying Materials Science and Engineering

- High-Temperature Coatings for Environmental Protection
- Scalable Nanomanufacturing
- Multi-Objective Optimization for Materials
- Multi-scale Modeling: Concurrent and Hierarchical Methods
- Alloys and Compounds for Thermoelectric and Solar Cell Applications: Part II

Manuscripts Due: Deadline Passed

February 2015

Theme: Upstream Materials: Extraction, Processing and Characterization

- Aluminum: Bauxite-Alumina-Carbon-Reduction
- Characterization of Advanced Mineral Materials
- Critical Metals Hydrometallurgy
- Modeling, Simulation, and Development of Metallurgical Processes: Part II

Manuscripts Due: Deadline Passed

March 2015

Theme: Additive Manufacturing

- Modeling of Microstructure Evolution during Additive Manufacturing
- Metal Powder for Additive Manufacturing (3D Printing)
- Progress in Additive Manufacturing

Manuscripts Due: November 15, 2014

April 2015

Theme: Biomaterials and Thin Films

- Nanomechanical Behavior of Biomaterials
- Surfaces and Biointerfaces
- Electronic, Biological, and Functional Thin Films
- Archaeomaterials

Manuscripts Due: December 15, 2014

May 2015

Theme: Metallurgy and Processing

- Aluminum: Shaping and Forming
- Friction Stir Welding and Processing
- Metallurgy: Energy and Environmental Issues

Manuscripts Due: January 15, 2015

June 2015

Theme: Metals and Alloys

- Beta-Titanium Alloys
- Permanent Magnets beyond Nd-Dy-Fe-B
- Critical Materials: Strategies for Achieving Sustainability
- TMS2015 Bladesmithing Project
- In-Situ Mechanical Testing in Electron Microscopes: Part I

Manuscripts Due: February 15, 2015

July 2015

Theme: Interfaces and Surface Engineering

- Control of Interfacial Phenomena during Processing: Modeling and Technology Developments
- Effects of Interfaces on Mechanical Properties of Composites
- Surface Engineering for Extreme Conditions
- Archaeomaterials

Manuscripts Due: March 15, 2015

August 2015

Theme: Advanced Modeling and Characterization

- ICME: Bridging Interfaces
- In-Situ Mechanical Testing in Electron Microscopes: Part II
- Advances in Modeling of Solidification Microstructures
- New Horizons in Mechanical Spectroscopy
- Dynamic Probing of Microstructure Evolution in Nanostructured Materials

Manuscripts Due: April 15, 2015

September 2015

Theme: Energy and Environment

- Sustainability in Metallurgy
- Materials for Solar Applications
- Lead and Zinc Metallurgy
- Energy Materials: Synthesis, Characterization, and Applications
- Aluminum: Recycling and Environmental Issues

Manuscripts Due: May 15, 2015

2014 and 2015 advisors and committees

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and Simulation Committee*

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Aluminum Committee

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