



# 2015 editorial calendar

## 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: Deadline Passed*

## April 2015

### **Theme: Biomaterials and Thin Films**

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

*Manuscripts Due: Deadline Passed*

## 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
- CALPHAD-Based ICME Research for Materials Geonomic Design

*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*

## October 2015

### **Theme: Physical Metallurgy**

- Phase Transformations and Microstructural Evolution
- Progress in High-Entropy Alloys
- Progress with Lead-Free Solders
- Age-Hardenable Microalloying in Magnesium

*Manuscripts Due: June 15, 2015*

# 2015 advisors and committees

**Amit Pandey**

*Advanced Characterization, Testing,  
and Simulation Committee*

**Michael Gao**

*Alloy Phases Committee*

**Alton Tabereaux**

*Aluminum Committee*

**Candan Tamerler-Behar**

*Biomaterials Committee*

**Michael J. Demkowicz**

*Chemistry and Physics of Materials  
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**Muralidharan Paramsothy**

*Composite Materials Committee*

**Bala Radhakrishnan**

*Computational Materials Science and  
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**Vilupanur A. Ravi and**

**Kinga Unocic**

*Corrosion & Environmental Effects  
Committee*

**Babak Arfaei**

*Electronic Packaging &  
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**Geoff Brooks**

*Energy Committee*

**Xiaochuan Lu**

*Energy Conversion and Storage  
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**Chantal Sudbrack and**

**Mark Hardy**

*High Temperature Alloys Committee*

**Harald Oosterhof**

*Hydrometallurgy & Electrometallurgy  
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**Nitin Chopra**

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**James Saal**

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**Satoshi Hirose**

*Magnetic Materials Committee*

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*Mechanical Behavior of Materials  
Committee*

**Terry Xu and Jung-Kun Lee**

*Nanomaterials Committee*

**Jian Wang, Xiaodong Li,**

**and Peter Hosemann**

*Nanomechanical Materials Behavior  
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**Ramprashad Prabhakaran (2015)**

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*Process Technology & Modeling  
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**Zhiwei Peng and**

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**Mohsen Asle Zaem**

*Solidification Committee*

**Sandip Harimkar and**

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*Surface Engineering Committee*

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