



# 2015 and 2016 editorial calendar

## December 2015

### **Theme: Materials: Past, Present, and Future**

- Stability of Nanomaterials
- Futuristic Nanomaterials and Composites: Part I
- Nanomechanical Measurements in Harsh Environments
- Aluminum: Cast Shop and Alloys
- Archaeomaterials

*Manuscripts Due: Deadline Passed*

## January 2016

### **Theme: Applying Materials Science and Engineering**

- Futuristic Nanomaterials and Composites: Part II
- ICME: Bridging Interfaces
- In-Situ Mechanical Testing in Electron Microscopes: Part II
- Phase Transformations and Microstructural Evolution: Part II
- Dynamic Probing of Microstructure Evolution in Nanostructured Materials

*Manuscripts Due: Deadline Passed*

## February 2016

### **Theme: Energy and Processing**

- Extractive Metallurgy: Efficiency and Eco-Friendliness
- The Canadian Generation IV Supercritical Water-Cooled Nuclear Reactor Conceptual Design
- Functional Nanomaterials: Energy and Sensing
- Aluminum: Bauxite-Alumina-Carbon-Reduction
- Materials Degradation in Light-Water Reactors

*Manuscripts Due: Deadline Passed*

## March 2016

### **Theme: Additive Manufacturing**

- Progress in Additive Manufacturing
- Advances in Sintering
- Rapid Solidification and Phase Transformation in Additive Manufactured Materials

*Manuscripts Due: Deadline Passed*

## April 2016

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

- Biomaterials for Healthcare
- Recent Developments in Functional Thin Films
- Magnesium-Based Biodegradable Implants

*Manuscripts Due: November 15, 2015*

## May 2016

### **Theme: Advanced Materials and Manufacturing**

- Aluminum: Shaping and Forming
- Phase Transformations of Materials: Part I
- Summit on Integrated Manufacturing and Materials Innovations
- ICME 2015 World Congress

*Manuscripts Due: December 15, 2015*

## June 2016

### **Theme: Metallurgy and Processing**

- Metal Smelting and Furnace Tapping
- Applied Magnetism: A Supply-Driven Materials Challenge
- Interface-Driven Phenomena in Solids: Thermodynamics, Kinetics, and Chemistry
- Archaeomaterials
- Phase Transformations of Materials: Part II

*Manuscripts Due: January 15, 2016*

## July 2016

### **Theme: Manufacturing**

- Surface Engineering via Additive Manufacturing
- Towards Materials Resource Sustainability
- Shaping, Forming, and Modeling of Advanced High-Strength Steels
- Metal- and Polymer-Matrix Composites II
- Material Behavior Characterization via Multi-Directional Deformation of Sheet Metal

*Manuscripts Due: February 15, 2016*

## August 2016

### **Theme: Big Data and Modeling**

- Building a Materials Data Infrastructure
- Big Data and Data Analytics for Structural and Functional Materials
- CFD Modeling and Simulation in Materials Processing

*Manuscripts Due: March 15, 2016*

# 2015 and 2016 advisors and committees

**Amit Pandey**

*Advanced Characterization, Testing, & Simulation Committee*

**Michael Gao**

*Alloy Phases Committee*

**Alton Tabereaux, Pascal Lavoie, and John Griffin**

*Aluminum Committee*

**Candan Tamerler**

*Biomaterials Committee*

**Fadi Abdeljawad and Stephen Foiles**

*Chemistry & Physics of Materials Committee*

**Muralidharan Paramsothy**

*Composite Materials Committee*

**Bala Radhakrishnan**

*Computational Materials Science & Engineering Committee*

**Kinga Unocic (2015)**

**Vilupanur A. Ravi (2016)**

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*Electronic Packaging & Interconnection Materials Committee*

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*Energy Committee*

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**Chantal Sudbrack**

*High Temperature Alloys Committee*

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**Georg Schmitz**

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**James Saal (2015)**

**Dmytro Orlov (2016)**

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**Terry Xu and Jung-Kun Lee**

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**Xiaodong Li and Peter Hosemann (2015)**

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*Pyrometallurgy Committee*

**Gabrielle Gaustad**

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*Recycling & Environmental Technologies Committee*

**Todd Leonhardt**

*Refractory Metals & Materials Committee*

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*Solidification Committee*

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*Surface Engineering Committee*

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