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2016 editorial calendar

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: Deadline Passed

May 2016

Theme: **Advanced Materials and Manufacturing**

- Aluminum: Shaping and Forming
- Phase Transformations of Materials
- 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

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
- In Operando Nano- and Micromechanical Characterization of Materials with Special Emphasis on In-Situ Techniques
- Driving Discovery: Integration of Multi-Modal Imaging and Data Analysis

Manuscripts Due: March 15, 2016

September 2016

Theme: **Environment and Recycling**

- Slag Metallurgy and Metallurgical Waste Recycling
- Progress with Lead-Free Solders
- Recent Advances in Forest Products Research and Development
- Aluminum: Recycling and Environmental Issues

Manuscripts Due: April 15, 2016

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For More Information Contact:

Telephone: (724) 776-9000 ext. 228

e-mail: jom@tms.org