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2014 editorial calendar

June 2014

Theme: Materials and Processing

- Polymer and Metal-Matrix Composites
- Materials for Energy Conversion and Storage Technologies
- Powder Materials in Defense, Energy, and Security Systems
- Surface Engineering Materials
- Heterogenous Nucleation and Initial Microstructural Formation

Manuscripts Due: Deadline Past

July 2014

Theme: Modeling

- Modeling of Magnetic Materials
- Optimization of Metallurgical Reactors: Mathematical and Physical Modeling
- ICME and Modeling of Titanium Alloys

Manuscripts Due: Deadline Past

August 2014

Theme: Physical Metallurgy

- Aluminum: Shaping and Forming
- Microstructural Patterning during Phase Transformations
- Semisolid Deformation: Experimental and Numerical Developments
- Multiscale Approaches to Hydrogen-Assisted Degradation of Metals

Manuscripts Due: Deadline Past

September 2014

Theme: Metals and Alloys II

- Energy Savings in Mining and Metallurgical Industries
- Critical Metals Hydrometallurgy
- Modeling, Simulation and Development of Metallurgical Processes
- Low-Density Steels
- Refractory Metals and Alloys

Manuscripts Due: June 1, 2014

October 2014

Theme: Mechanical Properties

- Progress in High-Entropy Alloys
- Multi-Objective Optimization for Materials
- Multiscale Perspective of Interface-related Mechanics of Nanocomposites
- Deformation and Forming of Joined Materials
- Multi-scale Modeling: Concurrent and Hierarchical Methods

Manuscripts Due: July 1, 2014

November 2014

Theme: Energy and Environment

- Aluminum: Recycling and Environmental Issues
- Alloys and Compounds for Thermoelectric and Solar Cell Applications
- Progress with Lead-free Solders
- Critical Materials: Strategies for Achieving Sustainability

Manuscripts Due: August 1, 2014

December 2014

Theme: Materials for Extreme Environments

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

Manuscripts Due: September 1, 2014

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