



2016 editorial calendar

April 2016

Theme: Functional Materials

- Biomaterials for Healthcare: Part I
- Functional Nanomaterials: Energy and Sensing
- Magnesium-Based Biodegradable Implants (*invited*)

Manuscripts Due: Deadline Passed

May 2016

Theme: Advanced Materials and Manufacturing

- Aluminum: Shaping and Forming
- Phase Transformations of Materials 2015 (*invited*)
- Summit on Integrated Manufacturing and Materials Innovations (*invited*)
- ICME 2015 World Congress (*invited*)

Manuscripts Due: Deadline Passed

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
- Recent Developments in Functional Thin Films
- Archaeomaterials (*invited*)

Manuscripts Due: Deadline Passed

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 (*invited*)
- Material Behavior Characterization via Multi-Directional Deformation of Sheet Metal (*invited*)
- Ti 2015: 13th World Conference on Titanium (*invited*)

Manuscripts Due: Deadline Passed

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 (*invited*)
- Driving Discovery: Integration of Multi-Modal Imaging and Data Analysis (*invited*)

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

October 2016

Theme: Energy

- Advanced Materials for Fuel Cell and Battery Applications
- Modeling of Energy Processes
- Modeling Nuclear Fuel Performance
- Lithium Metals and Chemical Extraction and Processing
- Alloys and Compounds for Thermoelectrics

Manuscripts Due: May 15, 2016

November 2016

Theme: Materials for Extreme Environments

- High-Temperature In-Situ Micro/Nano Mechanical Testing
- Advances in High-Temperature Alloys
- Refractory Metals that Melt Above 1850°C
- Biomaterials for Healthcare: Part II

Manuscripts Due: June 15, 2016

December 2016

Theme: Alloy Production and Corrosion

- Fe Alloys: Production and Metallurgical Aspects
- Aluminum: Cast Shop and Alloys
- Corrosion of Materials in Physiological Environments
- Advances and Achievements in In-Situ Analysis of Corrosion and Structure-Property Relationship in Mg and Mg Alloys

Manuscripts Due: July 15, 2016

advisors and guest editors

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& Simulation Committee*

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*Magnesium-Based Biodegradable
Implants*

Matthias Militzer

*Phase Transformations of
Materials 2015*

Frank Gayle

*Summit on Integrated Manufacturing
and Materials Innovations*

Jonathan Madison

ICME 2015 World Congress

Vilupanur A. Ravi

Archaeomaterials

Nikhil Gupta

Metal- and Polymer-Matrix Composites II

John Carsley

*Material Behavior Characterization via
Multi-Directional Deformation of
Sheet Metal*

**Vashist Venkatesh
and Adam Pilchak**

*Ti 2015: 13th World Conference
on Titanium*

Sanjit Bhomick

*In Operando Nano- and
Micromechanical Characterization of
Materials with Special Emphasis on
In-Situ Techniques*

Charudatta Phatak

*Driving Discovery: Integration of
Multi-Modal Imaging and Data
Analysis*

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