The call for papers is now open for the TMS 2016 Annual Meeting & Exhibition. Submit your abstract of 150 words by **July 1, 2015**

**Additive Manufacturing and Joining Processes**

- Additive Forming of Components—Tailoring Specific Material Properties in Low-Volume Production
- Additive Manufacturing: Building the Pathway towards Process and Material Qualification
- Powder Metallurgy of Light Metals
- Recent Advancement on Stretchable and Wearable Electronics

**Biomaterials**

- Advanced Materials in Dental and Orthopedic Applications
- Bio Nano Interfaces and Engineering Applications
- Biological Materials Science Symposium
- Magnesium-Based Biodegradable Implants
- Recent Developments in Biological, Structural and Functional Thin Films and Coatings

**Computational Materials Science**

- CFD Modeling and Simulation in Materials Processing
- Computational Materials Discovery and Optimization: From 2D to Bulk Materials
- Computational Methods for Spatio-Temporal Scale-Bridging: from Atomistics to Mesoscale
- Computational Methods for Uncertainty Quantification, Model Validation, and Stochastic Predictions
- Computational Thermodynamics and Kinetics
- ICME Infrastructure Development for Accelerated Materials Design: Data Repositories, Informatics, and Computational Tools
- Material Design Approaches and Experiences IV
Energy and Sustainability

Advanced Materials for Power Electronics, Power Conditioning, and Power Conversion IV

Energy Technologies and Carbon Dioxide Management

High-Temperature Systems for Energy Conversion and Storage

Materials in Clean Power Systems IX: Durability of Materials

REWAS 2016

- Subsession 1: Realizing Sustainable Products and Systems
- Subsession 2: Enabling Sustainability through Materials Processing and Waste Valorization
- Subsession 3: Understanding Sustainability through . . . Life Cycle Analysis, Systems Modeling & Industrial Ecology
- Subsession 4: Understanding Sustainability through . . . Life Cycle Analysis & Industrial Ecology of Light Metals
- Subsession 5: Enabling Sustainability through . . . Light Metals Recycling and Waste Valorization
- Subsession 6: Understanding Sustainability through . . . Education and Consumer Awareness

Extraction, Processing, and Fabrication

7th International Symposium on High-Temperature Metallurgical Processing

Frontiers in Solidification: An MPMD Symposium in Honor of Michel Rappaz

Materials Processing Fundamentals

Thermodynamic Applications, Optimizations, and Simulations in High-Temperature Processes: An EPD Symposium in Honor of Christopher W. Bale’s 70th Birthday
Light Metals

Alumina & Bauxite

Aluminum Alloys, Processing and Characterization

Aluminum Reduction Technology

Cast Shop Technology

Electrode Technology

Magnesium Technology 2016

Shape Casting: 6th International Symposium

Metals and Materials Processing

Hume-Rothery Award Symposium: Thermodynamics of Materials

Interface-Driven Phenomena in Solids: Thermodynamics, Kinetics and Chemistry

Metal and Polymer Matrix Composites II

Phase Transformations and Microstructural Evolution

Phase Transformations in Multi-Component Systems: An MPMD Symposium Honoring Gary R. Purdy

Rare Metal Extraction & Processing Symposium

Refractory Metals 2016

Nanomaterials

2016 Functional Nanomaterials: Emerging Nanomaterials and Techniques for 3D Architectures

Bulk Processing of Nanostructured Powders and Nanopowders by Consolidation

Mechanical Behavior at the Nanoscale III

Ultrafine Grained Materials IX
Nuclear Materials and Applications

Accelerated Materials Evaluation for Nuclear Application Utilizing Test Reactors, Ion Beam Facilities and Integrated Modeling

Computational Materials Engineering for Nuclear Reactor Applications

Materials and Fuels for the Current and Advanced Nuclear Reactors V

Nanostructured Materials for Nuclear Applications

Properties and Performance

Advanced Characterization Techniques for Quantifying and Modeling Deformation

Advanced Magnetic Materials: An FMD Symposium in Honor of Michael E. McHenry

Alloys and Compounds for Thermoelectric and Solar Cell Applications IV

Bulk Metallic Glasses XIII

Characterization of Minerals, Metals, and Materials

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

Emerging Interconnect and Pb-Free Materials for Advanced Packaging Technology

Fatigue in Materials: Fundamentals, Multiscale Modeling and Prevention

High Entropy Alloys IV

In Operando Nano- and Micro-Mechanical Characterization of Materials with Special Emphasis on In Situ Techniques

Material Behavior Characterization via Multi-Directional Deformation of Sheet Metal

Phase Stability, Phase Transformations, and Reactive Phase Formation in Electronic Materials XV

Special Topics

Transforming the Diversity Landscape