

## TMS2016 Symposium and Session List

Updated December 16, 2015

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

Mon 02/15/2016	8:30 AM	2D Materials-based 3D Architectures
Mon 02/15/2016	2:00 PM	Unique Techniques to Create 3D Architectures I
Tue 02/16/2016	8:30 AM	Fundamental and Unique Techniques to Create 3D Architectures II
Tue 02/16/2016	2:00 PM	Nanostructures for Environmental and Energy Applications
Wed 02/17/2016	8:30 AM	Nanomaterials General I
Wed 02/17/2016	2:00 PM	Nanomaterials General II

### 7th International Symposium on High Temperature Metallurgical Processing

Mon 02/15/2016	8:30 AM	Energy Efficient Clean Metallurgical Technology
Mon 02/15/2016	2:00 PM	Extraction and Recovery of Metals
Tue 02/16/2016	8:30 AM	Alloys and Materials Preparation
Tue 02/16/2016	2:00 PM	Fundamental Research of Metallurgical Process
Wed 02/17/2016	8:30 AM	Direct Reduction and Smelting Reduction
Wed 02/17/2016	8:30 AM	Microwave Heating and Roasting of Materials
Wed 02/17/2016	2:00 PM	Sintering and Pelletizing of Iron Ores
Thu 02/18/2016	8:30 AM	Characterization and Simulation of High Temperature Process
Thu 02/18/2016	8:30 AM	Utilization of Complex Ores
Thu 02/18/2016	2:00 PM	Treatment and Recycling of Solid Slag/Wastes

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

Tue 02/16/2016	8:30 AM	Ion Beam Irradiation and In-situ TEM
Tue 02/16/2016	2:00 PM	Ion Beam Irradiation and Comparisons between Neutron and Ion Irradiation
Wed 02/17/2016	8:30 AM	Modeling and Simulation and Reactor Irradiation
Wed 02/17/2016	2:00 PM	Neutron Irradiation and Mechanical Properties
Thu 02/18/2016	8:30 AM	Fuels
Thu 02/18/2016	2:00 PM	Characterization Techniques, Environmental Interaction and Materials Development

### Acta Materialia Symposium

Wed 02/17/2016	Acta Materialia Symposium
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### Additive Forming of Components - Tailoring Specific Material Properties in Low Volume Production

Mon 02/15/2016	8:30 AM	Overviews
Mon 02/15/2016	2:00 PM	Additive Manufacturing of Ni-Based Alloys
Tue 02/16/2016	8:30 AM	Additive Manufacturing of Ti-Based Alloys
Tue 02/16/2016	2:00 PM	Additive Manufacturing of Graded Alloys, Steels, and Other Materials
Wed 02/17/2016	2:00 PM	Emerging Additive Manufacturing Technologies and Applications

### Additive Manufacturing: Building the Pathway towards Process and Material Qualification

Mon 02/15/2016	8:30 AM	Connections between Processing and Microstructures I
Mon 02/15/2016	2:00 PM	Connections between Processing and Microstructures II
Tue 02/16/2016	8:30 AM	Qualification of Novel Materials
Tue 02/16/2016	2:00 PM	Strategies for Qualification in AM I
Wed 02/17/2016	8:30 AM	Non-Metals and Feedstock Design
Wed 02/17/2016	2:00 PM	Emerging Technologies
Thu 02/18/2016	8:30 AM	Strategies for Qualification in AM II

### Advanced Characterization Techniques for Quantifying and Modeling Deformation

Mon 02/15/2016	8:30 AM	Session I
Mon 02/15/2016	2:00 PM	Session II
Tue 02/16/2016	8:30 AM	Session III
Tue 02/16/2016	2:00 PM	Session IV
Wed 02/17/2016	8:30 AM	Session V
Wed 02/17/2016	2:00 PM	Session VI

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

Mon 02/15/2016	8:30 AM	Soft Magnetic Materials I
Mon 02/15/2016	2:00 PM	Thin Films, Processing, Characterization
Tue 02/16/2016	8:30 AM	Soft and Bio Magnetic Materials
Tue 02/16/2016	2:00 PM	Soft Magnetic Materials II
Wed 02/17/2016	8:30 AM	Magnetocaloric Materials
Wed 02/17/2016	2:00 PM	Permanent Magnets I
Thu 02/18/2016	8:30 AM	Permanent Magnets II

### Advanced Materials in Dental and Orthopedic Applications

Mon 02/15/2016	8:30 AM	Session I
Mon 02/15/2016	2:00 PM	Session II
Tue 02/16/2016	8:30 AM	Session III

**Alloys and Compounds for Thermoelectric and Solar Cell Applications IV**

Mon 02/15/2016	8:30 AM	Session I
Mon 02/15/2016	2:00 PM	Session II
Tue 02/16/2016	8:30 AM	Session III
Tue 02/16/2016	2:00 PM	Session IV

**Alumina & Bauxite**

Mon 02/15/2016	2:00 PM	Bauxite and Alternative Raw Materials
Tue 02/16/2016	8:30 AM	Digestion
Tue 02/16/2016	2:00 PM	Precipitation and Innovation

**Aluminum Alloys, Processing and Characterization**

Mon 02/15/2016	2:00 PM	Alloy Development and Applications
Tue 02/16/2016	8:30 AM	Corrosion Resistance
Tue 02/16/2016	2:00 PM	Plasticity Behavior
Wed 02/17/2016	8:30 AM	Solidification
Wed 02/17/2016	2:00 PM	Thermal Mechanical Processing
Thu 02/18/2016	8:30 AM	Precipitation Behavior
Thu 02/18/2016	2:00 PM	Joining Technologies

**Aluminum Reduction Technology**

Mon 02/15/2016	2:00 PM	Cell Technology & Design
Tue 02/16/2016	8:30 AM	Environment I
Tue 02/16/2016	2:00 PM	Smelter Operation & Energy Management
Wed 02/17/2016	8:30 AM	Fundamentals in Chemistry I
Wed 02/17/2016	2:00 PM	Environment II
Wed 02/17/2016	2:00 PM	Materials & Equipment
Thu 02/18/2016	8:30 AM	Fundamentals in Chemistry II
Thu 02/18/2016	8:30 AM	Process Control in Reduction
Thu 02/18/2016	2:00 PM	Investigations and Design Using Computer Modelling

**Bio Nano Interfaces and Engineering Applications**

Tue 02/16/2016	8:30 AM	Bio-Nano Interfaces: Fundamentals
Tue 02/16/2016	2:00 PM	Bio-Nano Interfaces: Fundamentals II
Wed 02/17/2016	8:30 AM	Bio-Nano Interfaces: Applications & Devices
Wed 02/17/2016	2:00 PM	Bio-Nano Interfaces: Medical Applications
Thu 02/18/2016	8:30 AM	Bio-inspired Interfaces: Structure to Mechanics

**Biological Materials Science Symposium**

Mon 02/15/2016	8:30 AM	Biological Materials and Bioinspiration I
Mon 02/15/2016	2:00 PM	Biomaterials I
Tue 02/16/2016	8:30 AM	Biological Materials and Bioinspiration II
Tue 02/16/2016	2:00 PM	Biomaterials II
Wed 02/17/2016	8:30 AM	Mechanics of Hard Biological Materials
Wed 02/17/2016	2:00 PM	Biomaterials III

**Bladesmithing Symposium 2016**

Tue 02/16/2016	8:30 AM	Session I
Tue 02/16/2016	2:00 PM	Session II

**Bulk Metallic Glasses XIII**

Mon 02/15/2016	8:30 AM	Alloy Development and Application I
Mon 02/15/2016	2:00 PM	Alloy Development and Application II
Tue 02/16/2016	8:30 AM	Structures and Characterization
Tue 02/16/2016	8:30 AM	Structures and Mechanical Properties I
Tue 02/16/2016	2:00 PM	Structures and Mechanical Properties II
Wed 02/17/2016	8:30 AM	Mechanical and Other Properties I
Wed 02/17/2016	8:30 AM	Structures and Modeling
Wed 02/17/2016	2:00 PM	Hidden Orders in Structures and Deformation
Thu 02/18/2016	8:30 AM	Mechanical and Other Properties II
Thu 02/18/2016	2:00 PM	Mechanical and Other Properties III

**Bulk Processing of Nanostructured Powders and Nanopowders by Consolidation**

Mon 02/15/2016	8:30 AM	Session I
Mon 02/15/2016	2:00 PM	Session II
Tue 02/16/2016	8:30 AM	Session III
Tue 02/16/2016	2:00 PM	Session IV
Wed 02/17/2016	8:30 AM	Session V

**Cast Shop Technology: An LMD Symposium in Honor of Wolfgang Schneider**

Mon 02/15/2016	2:00 PM	Direct Chill Casting
Tue 02/16/2016	8:30 AM	Alloying and Grain Refinement

Tue 02/16/2016	2:00 PM	Furnaces and Energy Efficiency
Wed 02/17/2016	8:30 AM	Degassing and Solidification Defects
Wed 02/17/2016	2:00 PM	Metal Treatment and Metal Quality
Thu 02/18/2016	8:30 AM	General Cast Shop
<b>CFD Modeling and Simulation in Materials Processing</b>		
Mon 02/15/2016	8:30 AM	Iron And Steelmaking (Tundish, Casting, Converter, Blast Furnace)
Mon 02/15/2016	2:00 PM	Microstructure Evolution
Tue 02/16/2016	8:30 AM	Casting with External Field Interaction
Tue 02/16/2016	2:00 PM	Smelting, Degassing, Ladle Processing, Mechanical Mixing, and Ingot Casting
<b>Characterization of Minerals, Metals, and Materials</b>		
Mon 02/15/2016	8:30 AM	Method Development
Mon 02/15/2016	8:30 AM	Non-Ferrous
Mon 02/15/2016	2:00 PM	Processing and Corrosion
Mon 02/15/2016	2:00 PM	Minerals
Tue 02/16/2016	8:30 AM	Ferrous
Tue 02/16/2016	2:00 PM	Clays & Ceramics
Wed 02/17/2016	8:30 AM	Composites
Wed 02/17/2016	2:00 PM	Extraction
Thu 02/18/2016	8:30 AM	Soft Materials
Thu 02/18/2016	8:30 AM	Electronic, Magnetic, Environmental, and Advanced Materials
Thu 02/18/2016	2:00 PM	Welding and Solidification
<b>Computational Materials Discovery and Optimization: From 2D to Bulk Materials</b>		
Wed 02/17/2016	8:30 AM	2D Materials Discovery and Design
Wed 02/17/2016	2:00 PM	Bulk Materials Discovery and Design
Thu 02/18/2016	8:30 AM	Microstructure and Mechanical Properties
Thu 02/18/2016	2:00 PM	Multiscale Modeling of Materials Properties
<b>Computational Materials Engineering for Nuclear Reactor Applications</b>		
Mon 02/15/2016	8:30 AM	Understanding Nuclear Fuel Behavior
Mon 02/15/2016	2:00 PM	Zirconium Cladding Behavior
Tue 02/16/2016	8:30 AM	Reactor Pressure Vessel
Tue 02/16/2016	2:00 PM	Accident Tolerant Fuel Concepts
<b>Computational Methods for Spatio-temporal Scale-bridging: from Atomistics to Mesoscale</b>		
Mon 02/15/2016	8:30 AM	Bridging Timescales
Mon 02/15/2016	2:00 PM	Scale-Bridging Methods for Plasticity
Tue 02/16/2016	8:30 AM	Bridging Physics
Tue 02/16/2016	2:00 PM	Mesoscale Methods
Wed 02/17/2016	8:30 AM	Novel Coupling Strategies
<b>Computational Methods for Uncertainty Quantification, Model Validation, and Stochastic Predictions</b>		
Mon 02/15/2016	8:30 AM	Uncertainty Quantification and Accuracy of DFT Calculations
Mon 02/15/2016	2:00 PM	Empirical Interatomic Potentials: Development and Validation
Tue 02/16/2016	8:30 AM	Uncertainties and Validation from Atoms to Aircrafts. (Joint w/"ICME Infrastructure Development...)
Tue 02/16/2016	2:00 PM	Uncertainties in Phase-field, Large Scale and Continuum Modeling
Wed 02/17/2016	2:00 PM	Uncertainty Quantification and Effects in Coarse Grain, Finite Element and Crystal Plasticity Modeling
<b>Computational Thermodynamics and Kinetics</b>		
Mon 02/15/2016	8:30 AM	Defect Thermodynamics and Diffusion I
Mon 02/15/2016	2:00 PM	Defect Thermodynamics and Diffusion II
Tue 02/16/2016	8:30 AM	Phase Field
Tue 02/16/2016	2:00 PM	Precipitation and Solidification
Wed 02/17/2016	8:30 AM	Phase Diagrams and Phase Stability
Wed 02/17/2016	2:00 PM	CALPHAD, Multiscale Modeling, and ICME
Thu 02/18/2016	8:30 AM	Models and Methods
<b>Driving Discovery: Integration of Multi-Modal Imaging and Data Analysis</b>		
Mon 02/15/2016	8:30 AM	Session I
Mon 02/15/2016	2:00 PM	Session II
<b>Electrode Technology</b>		
Mon 02/15/2016	2:00 PM	Electrode Materials and Characterization
Tue 02/16/2016	8:30 AM	Joint Session with Aluminum Reduction
Tue 02/16/2016	2:00 PM	Electrode Baking and Assembly
Wed 02/17/2016	8:30 AM	Electrode Operations and Control
<b>Emerging Interconnect and Pb-free Materials for Advanced Packaging Technology</b>		
Mon 02/15/2016	8:30 AM	Tin Whisker; Intermetallic Compound I
Mon 02/15/2016	2:00 PM	New Bonding Approaches
Tue 02/16/2016	8:30 AM	Mechanical Behaviors; Composite Materials for Packaging

Tue 02/16/2016	2:00 PM	Nanosolder; Bi-containing Solder
Wed 02/17/2016	8:30 AM	Electrochemical Behavior; Intermetallic Compound II
Wed 02/17/2016	2:00 PM	Wetting Behavior; Solders for New Applications
Thu 02/18/2016	8:20 AM	Intermetallic Compound III; Electromigration
<b>Energy Technologies and Carbon Dioxide Management</b>		
Mon 02/15/2016	8:30 AM	Session I
Mon 02/15/2016	2:00 PM	Session II
Tue 02/16/2016	8:30 AM	Session III
Tue 02/16/2016	2:00 PM	Session IV
<b>Fatigue in Materials: Fundamentals, Multiscale Modeling and Prevention</b>		
Mon 02/15/2016	8:30 AM	Identification of Fatigue Precursors and Their Effect on Local/Global Plasticity and Fracture
Mon 02/15/2016	2:00 PM	3-D Effects of Microstructure on Fatigue Damage
Tue 02/16/2016	8:30 AM	Microstructure-Properties-Fatigue Relationships
Tue 02/16/2016	2:00 PM	Characterization and Modeling of Fatigue Crack Initiation and Growth
Wed 02/17/2016	8:30 AM	Microstructure-sensitive and Multiscale Modeling of Fatigue
Wed 02/17/2016	2:00 PM	Fatigue Properties of Engineering Alloys
<b>Frontiers in Solidification: An MPMD Symposium in Honor of Michel Rappaz</b>		
Mon 02/15/2016	8:30 AM	Keynote/Nucleation
Mon 02/15/2016	2:00 PM	Microstructure I
Tue 02/16/2016	8:30 AM	Microstructure II
Tue 02/16/2016	2:00 PM	Rapid Transformation
Wed 02/17/2016	8:30 AM	Processing/Interfaces
Wed 02/17/2016	2:00 PM	Defects/Conclusions
<b>High-Temperature Systems for Energy Conversion and Storage</b>		
Mon 02/15/2016	8:30 AM	Ceramic Reliability I
Mon 02/15/2016	2:00 PM	Recent Advancements in Solid Oxide Fuel Cell Technology I
Tue 02/16/2016	8:30 AM	Recent Advancements in Solid Oxide Fuel Cell Technology II
Tue 02/16/2016	2:00 PM	Ceramic Reliability II
Wed 02/17/2016	8:30 AM	Systems for Energy Conversion and Storage I
Wed 02/17/2016	2:00 PM	Systems for Energy Conversion and Storage II
<b>High Entropy Alloys IV</b>		
Tue 02/16/2016	8:30 AM	Alloy Development and Applications I
Tue 02/16/2016	2:00 PM	Alloy Development and Applications II
Tue 02/16/2016	2:00 PM	Thermal and Other Properties
Wed 02/17/2016	8:30 AM	Structures and Mechanical Properties I
Wed 02/17/2016	2:00 PM	Mechanical and Other Properties I
Wed 02/17/2016	2:00 PM	Structures and Mechanical Properties II
Thu 02/18/2016	8:30 AM	Mechanical and Other Properties II
Thu 02/18/2016	8:30 AM	Structures and Characterization
Thu 02/18/2016	2:00 PM	Compositional Effect
Thu 02/18/2016	2:00 PM	Structures and Modeling
<b>Hume-Rothery Award Symposium: Thermodynamics of Materials</b>		
Mon 02/15/2016	8:30 AM	Phonon and Mechanisms I
Mon 02/15/2016	2:00 PM	Structure
Tue 02/16/2016	8:30 AM	Phonon and Mechanisms II
Tue 02/16/2016	2:00 PM	Conductivity
Wed 02/17/2016	8:30 AM	Temperature Effects
Wed 02/17/2016	2:00 PM	High Throughput Methods
<b>ICME Infrastructure Development for Accelerated Materials Design: Data Repositories, Informatics, and Computational Tools</b>		
Mon 02/15/2016	8:30 AM	Applications
Mon 02/15/2016	2:00 PM	Tool Integration
Tue 02/16/2016	2:00 PM	Data and Informatics
Thu 02/18/2016	8:30 AM	Microstructure
<b>In Operando Nano- and Micro-mechanical Characterization of Materials with Special Emphasis on In Situ Techniques</b>		
Mon 02/15/2016	2:00 PM	Mechanical Characterization of Materials at Small Length Scales
Tue 02/16/2016	8:30 AM	In-Situ Characterization of Mechanical Properties of Materials I
Tue 02/16/2016	2:00 PM	In-Situ Characterization of Mechanical Properties of Materials II
Wed 02/17/2016	8:30 AM	Nano- and Micro-mechanical Characterization of Materials at Elevated Temperatures
Wed 02/17/2016	2:00 PM	In-Situ Characterization of Mechanical Properties of Materials III
Thu 02/18/2016	8:30 AM	In-Situ Characterization of Mechanical Properties of Materials IV
<b>Interface-driven Phenomena in Solids: Thermodynamics, Kinetics and Chemistry</b>		
Tue 02/16/2016	8:30 AM	Structure-Property Relations
Tue 02/16/2016	2:00 PM	Mechanics and Thermodynamics

Wed 02/17/2016	8:30 AM	Microstructural Evolution I
Wed 02/17/2016	2:00 PM	Microstructural Evolution II
Thu 02/18/2016	8:30 AM	Interfacial Segregation
Thu 02/18/2016	2:00 PM	Phase Transitions
<b>Light Metals Keynote Session</b>		
Mon 02/15/2016	8:30 AM	Pushing Boundaries -- Innovative Thinking in Light Metals Production
<b>Magnesium-based Biodegradable Implants</b>		
Wed 02/17/2016	8:30 AM	Materials and Processing / Surface Modification and Corrosion
Wed 02/17/2016	2:00 PM	Corrosion / Market and Clinic
<b>Magnesium Technology 2016</b>		
Mon 02/15/2016	8:30 AM	Keynote Session Part I
Mon 02/15/2016	2:00 PM	Keynote Session Part II and Primary Production and Recycling
Tue 02/16/2016	8:30 AM	Alloy Development, Diffusion and Joining
Tue 02/16/2016	2:00 PM	Magnesium-Rare Earth Alloys
Wed 02/17/2016	8:30 AM	LPSO Alloys and Composites
Wed 02/17/2016	8:30 AM	Solidification and Casting
Wed 02/17/2016	2:00 PM	Corrosion
Wed 02/17/2016	2:00 PM	Twinning and Plasticity
Thu 02/18/2016	8:30 AM	Texture and Formability
<b>Material Behavior Characterization via Multi-Directional Deformation of Sheet Metal</b>		
Wed 02/17/2016	8:30 AM	Session I
Wed 02/17/2016	2:00 PM	Session II
Thu 02/18/2016	8:30 AM	Session III
<b>Material Design Approaches and Experiences IV</b>		
Mon 02/15/2016	8:30 AM	Material Design Tools and Models
Mon 02/15/2016	2:00 PM	Superalloys
Tue 02/16/2016	8:30 AM	Light Metals
Tue 02/16/2016	2:00 PM	Steels I
Wed 02/17/2016	8:30 AM	TiAl, Ti Alloys and Functional Materials
Wed 02/17/2016	2:00 PM	Steels II
<b>Materials and Fuels for the Current and Advanced Nuclear Reactors V</b>		
Mon 02/15/2016	8:30 AM	Fuels I
Mon 02/15/2016	8:30 AM	Structural Materials I
Mon 02/15/2016	2:00 PM	Fuels II
Mon 02/15/2016	2:00 PM	Structural Materials II
Tue 02/16/2016	8:30 AM	Fuels III
Tue 02/16/2016	2:00 PM	Fuels IV
Wed 02/17/2016	8:30 AM	Structural Materials III
Wed 02/17/2016	2:00 PM	Structural Materials IV
Thu 02/18/2016	8:30 AM	Structural Materials V
Thu 02/18/2016	2:00 PM	Structural Materials VI
<b>Materials in Clean Power Systems IX: Durability of Materials</b>		
Wed 02/17/2016	8:30 AM	Materials for Supercritical CO2 Applications
Wed 02/17/2016	2:00 PM	Materials Development for Clean Power Systems
Thu 02/18/2016	8:30 AM	Material Characterization and Degradation Mechanisms
<b>Materials Innovation</b>		
Wed 02/17/2016	8:30 AM	Keynote Session: Multidisciplinary Materials Design Optimization Under Uncertainty
<b>Materials Processing Fundamentals</b>		
Tue 02/16/2016	8:30 AM	Casting and Solidification Processes
Tue 02/16/2016	2:00 PM	Non Ferrous Extractive Metallurgy
Wed 02/17/2016	8:30 AM	Iron and Steelmaking - Thermodynamic, Reduction and Physical Metallurgy
Wed 02/17/2016	2:00 PM	Forming, Joining, Sensing: Devices and Applications
<b>Materials Research in Reduced Gravity</b>		
Wed 02/17/2016	8:30 AM	Material Science Research Rack (MSRR)
Wed 02/17/2016	2:00 PM	Ground-based/Parabolic Aircraft/Sounding Rocket Testing
Thu 02/18/2016	8:30 AM	Electromagnetic Levitation (EML)
<b>Mechanical Behavior at the Nanoscale III</b>		
Mon 02/15/2016	8:30 AM	In-situ Characterization of Nanoscale Materials
Mon 02/15/2016	2:00 PM	Mechanical Behaviors and Defect Dynamics of Nanostructured Materials
Tue 02/16/2016	8:30 AM	Fatigue, Fracture and Dynamic Deformation of Nanomaterials
Tue 02/16/2016	2:00 PM	Multilayer Thin Films, Nanolaminates and Nanoporous Foams
Wed 02/17/2016	8:30 AM	Mechanical Behavior of Materials with Twins, Grains and Other Interfaces
Wed 02/17/2016	2:00 PM	Dislocation Plasticity and Dislocation-Defects Interactions

Thu 02/18/2016	8:30 AM	Mechanical Behavior of Nanoscale Structures
<b>Metal and Polymer Matrix Composites II</b>		
Mon 02/15/2016	8:30 AM	Polymer Matrix Composites
Mon 02/15/2016	2:00 PM	Metal Matrix Nanocomposites
Tue 02/16/2016	8:30 AM	Nanocomposites
Tue 02/16/2016	2:00 PM	Mg, Al Matrix Composites
Wed 02/17/2016	8:30 AM	Iron Based Composites and Porous Composites
Wed 02/17/2016	2:00 PM	Processing of Composites
<b>Nanostructured Materials for Nuclear Applications</b>		
Mon 02/15/2016	8:30 AM	Session I
Mon 02/15/2016	2:00 PM	Session II
Tue 02/16/2016	8:30 AM	Session III
Tue 02/16/2016	2:00 PM	Session IV
Wed 02/17/2016	8:30 AM	Session V
Wed 02/17/2016	2:00 PM	Session VI
Thu 02/18/2016	8:30 AM	Session VII
<b>Phase Stability, Phase Transformations, and Reactive Phase Formation in Electronic Materials XV</b>		
Mon 02/15/2016	8:30 AM	Electromigration & Electric Current Effects
Mon 02/15/2016	2:00 PM	Thermoelectric, Solar-cell, Fuel-cell & Battery Materials
Tue 02/16/2016	8:30 AM	Pb-free Soldering & Direct Bonding
Tue 02/16/2016	2:00 PM	Optoelectronics & Pb-free Solders
Wed 02/17/2016	8:30 AM	Electrochemistry & UBM
<b>Phase Transformations and Microstructural Evolution</b>		
Mon 02/15/2016	8:30 AM	Phase Transformations in Fe-Alloys - Session I
Mon 02/15/2016	8:30 AM	Phase Transformations - Fundamentals - Session I
Mon 02/15/2016	2:00 PM	Phase Transformations - Fundamentals - Session II
Mon 02/15/2016	2:00 PM	Phase Transformations in Fe-Alloys - Session II
Tue 02/16/2016	8:30 AM	Phase Transformations - Correlation to Properties and Thermal Stability
Tue 02/16/2016	2:00 PM	Phase Transformations in Ni-Alloys
Wed 02/17/2016	8:30 AM	Phase Transformations during Non-Equilibrium Processing - Session I
Wed 02/17/2016	2:00 PM	Phase Transformations during Non-Equilibrium Processing - Session II
Wed 02/17/2016	2:00 PM	Phase Transformations - Titanium Alloys
Thu 02/18/2016	8:30 AM	Phase Transformations - Extreme Conditions
Thu 02/18/2016	8:30 AM	Phase Transformations in Shape Memory and Magnetic Materials
Thu 02/18/2016	2:00 PM	Phase Transformations - Characterization and Modeling
<b>Phase Transformations in Multi-component Systems: An MPMD Symposium Honoring Gary R. Purdy</b>		
Mon 02/15/2016	8:30 AM	Interaction of Alloying Elements with Stationary and Migrating Interfaces
Mon 02/15/2016	2:00 PM	Bainite Transformation
Tue 02/16/2016	8:30 AM	Phase Transformations in Advanced High Strength Steels
Tue 02/16/2016	2:00 PM	Phase Transformations in Non-ferrous Alloys
Wed 02/17/2016	8:30 AM	Phase Transformations in Steels
Wed 02/17/2016	2:00 PM	Use of Advanced Tools to Understand Phase Transformations
<b>Powder Metallurgy of Light Metals</b>		
Tue 02/16/2016	8:30 AM	Light Metal Powder Synthesis and Titanium Aluminide
Tue 02/16/2016	2:00 PM	PM Ti and PM Ti for Biomedical Applications
Wed 02/17/2016	8:30 AM	Powder Metallurgy Aluminum and Other Light Metals
Wed 02/17/2016	2:00 PM	Additive Manufacturing of Ti and Mg and Ti Powder Metallurgy
<b>Rare Metal Extraction &amp; Processing Symposium</b>		
Mon 02/15/2016	8:30 AM	Rare Earth Elements / Base & Rare Metals I
Mon 02/15/2016	2:00 PM	Rare Earth Elements / Base & Rare Metals II
Tue 02/16/2016	8:30 AM	Platinum Group Metals / Mo, Ti, V & W
<b>Recent Advancement on Stretchable and Wearable Electronics</b>		
Mon 02/15/2016	8:30 AM	Session I
Mon 02/15/2016	2:00 PM	Session II
<b>Recent Developments in Biological, Structural and Functional Thin Films and Coatings</b>		
Mon 02/15/2016	8:30 AM	Biomedical and Energy Applications
Mon 02/15/2016	2:00 PM	Thin Films and Coatings II Corrosion and Wear Applications
<b>Refractory Metals 2016</b>		
Mon 02/15/2016	8:30 AM	Processing & Characterization of Refractory Metals: Bulk & Coatings
Mon 02/15/2016	2:00 PM	Deformation of Refractory Metals And Processing & Properties of Refractory Metal Compounds
<b>REWAS 2016</b>		
Mon 02/15/2016	8:30 AM	Enabling & Understanding Sustainability - Ferrous & Non-ferrous Metals Processing
Mon 02/15/2016	8:30 AM	Understanding & Enabling Sustainability - (Rechargeable) Batteries

Mon 02/15/2016	2:00 PM	Enabling & Understanding Sustainability - Building Materials & Slag Valorisation
Mon 02/15/2016	2:00 PM	Enabling & Understanding Sustainability - Rare Earth Element Applications
Tue 02/16/2016	8:30 AM	Materials Matter: Deriving Value from Resource Recovery at Multiple Materials Scales
Tue 02/16/2016	2:00 PM	Designing Materials and Systems for Sustainability
Tue 02/16/2016	2:00 PM	Understanding & Enabling Sustainability - Light Metals Recycling & Waste Valorisation
Wed 02/17/2016	8:30 AM	Understanding & Enabling Sustainability - Education Research Innovation I
Wed 02/17/2016	2:00 PM	Understanding & Enabling Sustainability - Education Research Innovation II + Electronic Equipment

#### Shape Casting: 6th International Symposium

Tue 02/16/2016	8:30 AM	Engineering High Quality Castings I
Tue 02/16/2016	2:00 PM	Casting Performance and Innovation
Wed 02/17/2016	8:30 AM	Engineering High Quality Castings II

#### Strip Casting of Light Metals

Wed 02/17/2016	8:30 AM	Strip Casting Process
Wed 02/17/2016	2:00 PM	Strip Casting: Properties

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

Mon 02/15/2016	8:30 AM	Steelmaking/Ferrous Applications I
Mon 02/15/2016	2:00 PM	Software/Programming
Tue 02/16/2016	8:30 AM	Steelmaking/Ferrous Applications II
Tue 02/16/2016	2:00 PM	Non-Ferrous Applications I
Wed 02/17/2016	8:30 AM	Energy, Nuclear and Other Applications
Wed 02/17/2016	2:00 PM	Database Development and Experimental Measurements
Wed 02/17/2016	2:00 PM	Non-Ferrous Applications II

#### Transforming the Diversity Landscape

Mon 02/15/2016	8:30 AM	Significance and Impact
Mon 02/15/2016	2:00 PM	Taking Action

#### Ultrafine Grained Materials IX

Mon 02/15/2016	8:30 AM	Grain Boundary Phenomena
Mon 02/15/2016	2:00 PM	Dislocation and Twinning Mechanisms
Tue 02/16/2016	8:30 AM	Gradient and Layered Materials
Tue 02/16/2016	2:00 PM	Young Scientist Competition
Wed 02/17/2016	8:30 AM	Equal Channel Angular Pressing/Extrusion Studies
Wed 02/17/2016	8:30 AM	Roll Processing Studies
Wed 02/17/2016	2:00 PM	High Pressure Torsion Studies I
Wed 02/17/2016	2:00 PM	Powder Processing Studies
Thu 02/18/2016	8:30 AM	High Pressure Torsion Studies II
Thu 02/18/2016	8:30 AM	Thin Films and Functional Properties
Thu 02/18/2016	2:00 PM	Novel Thermomechanical Processing
Thu 02/18/2016	2:00 PM	Student Oral Session