

2012 JOM Technical Emphasis Calendar

2012 JOM Technical Emphasis Calendar				Submit Manuscripts by: October 1, 2011
January 2012: IN-SITU CHARACTERIZATION				
In-situ Observation of Solidification Phenomena: Solidification Committee (Andre Phillion)	In-situ Characterization Techniques: Materials Characterization Committee (Mingdong Cai)	Neutron Characterization Methods: Materials Characterization Committee (John Carpenter)	High-energy Synchrotron X-ray Diffraction for In-situ Study of Phase Transformations in Bulk Single Crystals: Phase Transformations Committee (Bob Hackenberg <i>guest editor: Yu Wang</i>)	
February 2012: LIGHTWEIGHT MATERIALS				Submit Manuscripts by: November 1, 2011
2012 TMS Annual Meeting at-meeting issue				
Hierarchical Composite Materials: Composite Materials Committee (Tomoko Sano)	Advances in Superalloys: High Temperature Alloys Committee (Tim Gabb)	Aluminum: Cast Shop and Alloys: Aluminum Committee (Geoff Beame)		
March 2012: ENERGY MATERIALS				Submit Manuscripts by: December 1, 2011
Powder Materials for Energy Efficiency in Transportation: Powder Materials Committee (Fernand Marquis)	Ultrasonic Welding: Invited (Frank Balle)			
April 2012: BIOLOGICAL MATERIALS				Submit Manuscripts by: January 4, 2012
Biological and Bioinspired Materials: Biomaterials Committee (John A. Nychka and Po-Yu Chen)	Recent Developments in Electronic, Functional, and Biological Thin Films: Thin Films & Interfaces Committee (Roger Narayan)			
May 2012: MATERIALS AND PROCESSING				Submit Manuscripts by: February 1, 2012
Titanium in Non-aerospace Applications: Titanium Committee (Mike Peretti)	Aluminum: Shaping and Forming: Aluminum Committee (Geoff Beame)			
June 2012: SURFACE ENGINEERING				Submit Manuscripts by: March 1, 2012
Magnesium: Engineering the Surface: Magnesium Materials Committee (Michele Manuel and Chamini Mendes)	Advances in Surface Engineering: Surface Engineering Committee (Sandip Harimkar et al.)			
July 2012: ADVANCED MATERIALS				Submit Manuscripts by: April 4, 2012
MS&T 2012 preview issue				
Magnetic Materials for Energy Applications: Magnetic Materials Committee (Victorino Franco and Oliver Guttleisch)	Intelligent Materials and Structural Health Monitoring: Invited (Subhadarshi Nayak)	Computational Thermodynamics and Kinetic Modeling of High-energy Entropy Alloys and Amorphous Alloys: Alloy Phases Committee (Michael Gao)		
August 2012: SUSTAINABILITY				Submit Manuscripts by: May 2, 2012
Aluminum: Recycling and Environmental Issues: Aluminum Committee (Alton Tabereaux)	Solar Cell Silicon: Recycling and Environmental Technologies Committee (Arjan Cifjta)	Waste Heat Recovery: Energy Committee (Aldo Steinfeld)		
September 2012: MODELING AND CHARACTERIZATION				Submit Manuscripts by: June 1, 2012
MS&T 2012 at-meeting issue				
Integration of Multiscale Models and Advanced Characterization: ICME Committee (Mei Li)	Computational Fluid Dynamics (CFD) Modeling on the Transport Phenomena during Casting Process: Process Technology & Modeling Committee (Eric Schmidt)	Bridging the Gap: Linking Simulation and Testing: Shaping & Forming Committee (Paul Krajewski)		
October 2012: NANO-SCALE MATERIALS				Submit Manuscripts by: July 1, 2012
Progress with Lead-free Solders: Electronic Packaging/Interconnection Materials Committee (Srini Chada)	Diffraction at Small-scale: Mechanical Behavior of Materials Committee (Brad Boyce <i>guest editor: Rosaliya Barabash</i>)	Bulk Nanostructured Materials: Nanomechanical Materials Behavior Committee (Jian Wang)	Defect Roles on Mechanical Behavior and Synthesis of Nanomaterials: Nanomechanical Materials Behavior Committee (Jian Wang with Shadi Dayeh and Yao Shen)	Functional Materials: Nanomaterials Committee (David Stollberg)
November 2012: PRIMARY METALS PRODUCTION				Submit Manuscripts by: August 1, 2012
2013 TMS Annual Meeting preview issue				
Hydrometallurgy Fundamentals and Applications: Hydro- and Electrometallurgy Committee (Mike Free)	Technology Developments in Nonferrous Pyrometallurgy and TMS2012 Smelting Symposium Papers: Pyrometallurgy Committee (Phil Mackey)	Aluminum: Bauxite-Alumina-Carbon-Reduction: Aluminum Committee (Alton Tabereaux)	Archaeometallurgy: Solidification Science & Casting: Solidification Committee (Andre Phillion)	
December 2012: HIGH TEMPERATURE MATERIALS				Submit Manuscripts by: September 1, 2012
Gas-alloy Interactions at Elevated Temperature: Alloy Phases Committee (Raymundo Arroyave and Michael Gao)	Advances in Refractory Metals and Alloys: Refractory Metals Committee (Ridwan Sakidja)	Corrosion at High Temperatures: Corrosion and Environmental Effects Committee (V.A. Ravi)	Materials Issues Related to the Use of Light Water Reactor Fuels: Nuclear Materials Committee (Dennis Keiser)	