

2011 JOM Technical Emphasis Calendar

January 2011: ENERGY AND ENVIRONMENT			Submit Manuscripts by: October 1, 2010
Nanomaterials for Renewable Energy: Powder Materials Committee (Fernand Marquis)	Pyrometallurgical Process Management and Optimization: Pyrometallurgy Committee (Rob Stephens)	Energy Conservation, CO ₂ and Other Greenhouse Gas Reduction: Energy Committee (Lifeng Zhang)	
February 2011: LIGHTWEIGHT MATERIALS			Submit Manuscripts by: November 1, 2010
2011 TMS Annual Meeting at-meeting issue			
Aluminum: Cast Shop and Alloys: Aluminum Committee (Pierre Homs)	Metal-matrix Syntactic Foams: Composite Materials Committee (Yuyuan Zhao)	Titanium for Aerospace and Military Applications: Titanium Committee (Mike Peretti)	
March 2011: MODELING, CHARACTERIZATION, AND VALIDATION I			Submit Manuscripts by: December 1, 2010
Large Dataset Generation, Integration, and Simulation in Materials Science--Part I: Advanced Characterization, Testing, and Simulation Committee (Ji-Chen Zhao and Jeff Simmons)	Polycrystal Modeling with Experimental Integration: Mechanical Behavior of Materials Committee (Ellen Cerreta)		
April 2011: BIOMATERIALS I			Submit Manuscripts by: January 4, 2011
Biomaterials for Regenerative Medicine: Biomaterials Committee (Ryan Roeder and John Nychka)	Biomedical Applications of Magnesium: Magnesium Committee (Michele Manuel)	Enabling ICME: Successful Transition of Advanced Technologies to Engineering Practice : ICME Committee (Mei Li)	
May 2011: PRIMARY METALS PRODUCTION			Submit Manuscripts by: February 1, 2011
Aluminum: Bauxite-Alumina-Carbon-Reduction: Aluminum Committee (Pierre Homs)	Technology Developments for Nonferrous Pyrometallurgy: Pyrometallurgy Committee (Phil Mackey)		
June 2011: BIOMATERIALS II			Submit Manuscripts by: March 1, 2011
Corrosion Issues in Biological Environments: Corrosion & Environmental Effects Committee (Villupanur Ravi)	Surface Engineering for Energy Sustainability and Bio-applications: Surface Engineering Committee (A. Agarwal, S. Seal, N.B. Dahotre, and S. Harimkar)	Recent Developments in Structural, Functional, and Biological Thin Films: Thin Films & Interfaces Committee (Nancy Michael)	
July 2011: MODELING, CHARACTERIZATION, AND VALIDATION II			Submit Manuscripts by: April 4, 2011
MS&T 2011 preview issue			
Optimization of Materials Properties Using Modeling Tools for the Simulation of Solidification and Heat Treatment: Alloy Phases Committee (Fan Zhang)	Large Dataset Generation, Integration, and Simulation in Materials Science--Part II: Advanced Characterization, Testing, and Simulation Committee (Ji-Chen Zhao and Jeff Simmons)	X-ray and Neutron Studies of Advanced Materials--Part II: Mechanical Behavior of Materials Committee (Ellen Cerreta) <i>[guest editor: Rosa Barabash]</i>	
August 2011: SUSTAINABILITY			Submit Manuscripts by: May 2, 2011
Aluminum: Recycling and Environmental Issues: Aluminum Committee (Pierre Homs)	Recycling of Electronic Wastes: Recycling & Environmental Technologies Committee (Lifeng Zhang)	Modeling and Simulation of/for Advanced Fuel Performance: Nuclear Materials Committee (Carl Cady) <i>[Brian Wirth, guest editor]</i>	Minor Elements Recovery and Impurity Control in Industrial Metal Processing: Hydrometallurgy & Electrometallurgy Committee (Mike Free)
September 2011: NANOMATERIALS			Submit Manuscripts by: June 1, 2011
MS&T 2011 at-meeting issue			
Interface-dominated Mechanical Behavior of Nanomaterials: Nanomechanical Materials Behavior Committee (Lawrence Friedman <i>Guest Editors: Jian Wang and Zhiwei Shan</i>)	Relating Experimental and Theoretical Perspectives in Nanomechanics: Nanomechanical Materials Behavior Committee (Lawrence Friedman <i>Guest Editor: Vikas Tamar</i>)	Functional Materials: Nanomaterials Committee (Seong Jin Koh)	
October 2011: ELECTRONIC AND MAGNETIC MATERIALS			Submit Manuscripts by: July 1, 2011
Solidification of Electronic Materials: Solidification Committee (Andre Phillion)	Pb-free Solders: Electronic Packaging & Interconnection Materials Committee (Srinivas Chada)	Magnetic Materials and Devices: Magnetic Materials Committee (Ashutosh Tiwari)	
November 2011: PLASTIC DEFORMATION			Submit Manuscripts by: August 1, 2011
2012 TMS Annual Meeting preview issue			
Aluminum: Shaping and Forming: Aluminum Committee (Pierre Homs)	Multi-scale Modeling of Metal Forming: Shaping & Forming Committee (Paul Krajewski)	Dynamic Behavior of Materials: Mechanical Behavior of Materials Committee (Ellen Cerreta <i>guest editor: Naresh Thidani</i>)	
December 2011: MATERIALS AND PROCESSING			Submit Manuscripts by: September 1, 2011
Sensors, Sampling, and Process Control: Process Technology & Modeling Committee (Andrew Campbell & Adam C. Powell III)	Advances in Refractory Metals and Alloys: Refractory Metals Committee (Shailendra Varma)	Career Development for Materials Science Professionals: Education & Professional Affairs Group (Subu Nayak)	