2017 *JOM* Editorial Calendar

January	Theme: Applying Materials Science and Engineering					Paper Submission Deadline: August 1, 2016
Topic	Interface Strength Measurements	In Operando Nano- and Micromechanical Characterization of Materials with Special Emphasis on In-Situ Techniques	3D Characterization			
Guest Editor	*Vikas Tomar and Ritesh Sachan*	*Sanjit Bhowmick*	*Sergio Neves Monteiro and Jian Li*			
Committee	Thin Films & Interfaces	invited	Materials Characterization			
February	Theme: Production and Characterization					Paper Submission Deadline: September 1, 2016
TMS 2017 Annual Meeting at-meeting issue						
Topic	Application of Advanced Characterization Techniques for Engineering Materials	Advanced Characterization of Interfaces and Thin Films	Aluminum: Bauxite-Alumina-Carbon-Reduction	Fe Alloys: Production and Metallurgical Aspects: Part II		
Guest Editor	*Jim Hwang and Jian Li*	*Ritesh Sachan and Vikas Tomar*	*Pascal Lavoie*	*Dean Gregurek, Zhiwei Peng, Jesse White*		
Committee	Materials Characterization - Invited	Thin Films & Interfaces	Aluminum	Pyrometallurgy		
March	Theme: Additive Manufacturing					Paper Submission Deadline: October 1, 2016
Topic	Progress in Additive Manufacturing	Processing-Microstructure-Property Relations in Additive Manufactured Materials	2016 Solid Freeform Fabrication Symposium			
Guest Editor	*Ed Herderick*	*Mohsen Asle Zaeem, Suresh Babu, and Judith Schneider*	*David Bourell*			
Committee	Process Technology & Modeling	Solidification, Phase Transformations, Additive Manufacturing	Invited			
April	Theme: Materials Processing					Paper Submission Deadline: November 1, 2016
Topic	Aluminum: Shaping and Forming	Sintering and Related Phenomena	Characterization and Processing of Advanced Porous Materials			
Guest Editor	*Dmitry Eskin*	*Ma Qian*	*Bowen Li and Jian Li*			
Committee	Aluminum	Powder Materials	Materials Characterization			
May	Theme: Design and Manufacturing					Paper Submission Deadline: December 1, 2016
Topic	Advances in Polycrystal Plasticity Characterization and Modeling	Advances in ICME Implementation: Concepts and Practices	Behavior of Sheet Metal Under Multi-Axial Deformation Paths			
Guest Editor	*Philip Eisenlohr*	*Terry Wong*	*Kester Clarke*			
Committee	Advanced Characterization, Testing & Simulation	ICME	Shaping & Forming			
June	Theme: Progress in Materials Science					Paper Submission Deadline: January 1, 2017
Topic	Use of Gases in Pyrometallurgy	Functional Nanomaterials: Emerging Nanomaterials and Techniques for 3D Architectures	Lightweighting			
Guest Editor	*Dean Gregurek, Jesse White, Zhiwei Peng*	*Terry Xu and Jung-Kun Lee*	*William Joost*			
Committee	Pyrometallurgy	Nanomaterials	Invited			
July	Theme: Functional Materials					Paper Submission Deadline: February 1, 2017
Topic	Materials in Medicine and Bioengineering	Nanostructured Surfaces for Improved Functional Properties	Biomaterials for Healthcare: Part II			
Guest Editor	*Tolou Shokuhfar*	*Rajeev Kumar Gupta, Kristopher Darling, Sandip P. Harimkar*	*Candan Tamerler*			
Committee	Biomaterials	Surface Engineering	Biomaterials			
August	Theme: Extreme Environments					Paper Submission Deadline: March 1, 2017
MS&T17 preview issue						
Topic	Phase Transitions in Energy-Related Magnetic Materials	Corrosion of Magnesium in Multimaterial Systems	Stress Corrosion Cracking of Metals	Solidification Behavior in Reduced Gravity		
Guest Editor	*Luana Caron*	*Vineet V. Joshi*	*Srujan Rokkam*	*Douglas Matson, Robert Hyers, Amber Genau and Mohsen Asle Zaeem*		
Committee	Magnetic Materials	Magnesium	Corrosion & Environmental Effects	Solidification		
September	Theme: Environment and Recycling					Paper Submission Deadline: April 1, 2017
MS&T17 at-meeting issue						
Topic	Deriving Value from Resource Recovery at Multiple Materials Scales	Aluminum Production Chain, Recycling and Environmental Issues	Carbothermic Reaction	Recent Progress with Lead-Free Solder Interconnects	Mesoscale Interplay in Lithium-Ion Batteries and Beyond	
Guest Editor	*Mingming Zhang, John A. Howarter, and Xiaofei Guan*	*Pascal Lavoie*	*Zhiwei Peng and Jesse White*	*Babak Arfaei, Chris Gourlay*	*Partha P Mukherjee, Leela M. Arava, and Amit Pandey*	
Committee	Recycling & Environmental Technologies	Aluminum	Pyrometallurgy	Electronic Packaging & Interconnection	Energy Conversion and Storage	
October	Theme: Metallurgy and Processing					Paper Submission Deadline: May 1, 2017
Topic	Energy Technologies in Ironmaking and Steelmaking	Recent Advances in Titanium Metal and Alloy Production	Hydrometallurgical and Electrometallurgical Processing for Strategic Materials	Latest Developments in Refractory Metals and Alloys	Additive Manufacturing: Materials Design, Process Development, and Quality Control	3rd Pan American Materials Congress
Guest Editor	*Tao Wang*	*Peter Collins*	*Takanari Ouchi*	*Ravi Enneti*	*Kester Clarke and Judy Schneider*	*Marc A. Meyers*
Committee	Energy	Titanium	Hydro- and Electrometallurgy	Refractory Metals & Materials	Shaping & Forming and Additive Manufacturing	Invited
November	Theme: High-Entropy Alloys					Paper Submission Deadline: June 1, 2017
Topic	Progress in High-Entropy Alloys	Beyond Indentation Hardness and Modulus: Recent Advances in Nanoindentation Techniques	Nanostruc 2016	Nanolaminates	Amorphous Alloys: Liquids and Glasses as Pathways to New Materials	
Guest Editor	*Michael Gao*	*Yue Liu and Xinghang Zhang*	*James Njuguna*	*Nikhilesh Chawla*	*Orlando Rios and Ralph Napolitano*	
Committee	Alloy Phases	Nanomechanical Materials Behavior	invited	Composite Materials	Magnetic Materials	
December	Theme: Energy Applications					Paper Submission Deadline: July 1, 2017
TMS 2018 Annual Meeting preview issue						
Topic	Field-Intensified Metallurgy	Advanced Materials for Energy Applications	Thermal Energy Storage and Applications	Aluminum: Cast Shop and Alloys	U-Mo Monolithic Fuel for Nuclear Research and Test Reactors	Additive Manufacturing of Titanium Alloys
Guest Editor	*Zhiwei Peng and Jesse White*	*Xiaochuan Lu*	*Tao Wang*	*Dmitry Eskin*	*Ramprashad Prabhakaran*	*Ma Qian*
Committee	Pyrometallurgy	Energy Conversion & Storage	Energy	Aluminum	Nuclear Materials	Invited