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March 10–14, 2019
San Antonio, Texas, USA

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Refractory Metals 2019

This symposium provides a forum for the presentation of fundamental research advances and technological progress in the understanding, processing and applications of refractory metals. Refractory metals are generally defined as those metallic elements with melting temperatures in excess of 2123 K (1850 °C). Refractory metals are of technological importance for their resistance to extreme high temperatures and difficult environments.

Research of interest includes alloy development, microstructure evolution and correlations with properties, both experimental and theoretical. Technological advances in processing of refractory metals and their alloys and applications in energy, transportation and other sectors are likewise of interest. New alloy developments of interest include composite materials based on refractory metals, such as silicide alloys, and concentrated solid solution (high-entropy) alloys. Processing methodologies and techniques involving welding, brazing and powder metallurgy are also of interest. Presentations that communicate results from academia, national laboratories and industry are encouraged.

ORGANIZERS

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