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TMS2019
 148th Annual Meeting & Exhibition

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

JOIN US FOR THIS TMS2019 SYMPOSIUM:

LIGHT METALS

Solidification Processing of Light Metals and Alloys: An MPMD Symposium in Honor of David St John

The major theme in Prof. David St John's career was the study of phase transformations, particularly solidification phenomena. Of particular focus was light metal alloys: aluminum alloys, magnesium alloys and, more recently, titanium alloys. His most recognized and awarded contribution has been in nucleation and grain refinement, but he has made contributions to a wide range of solidification problems including defect formation, melt treatment, and casting alloy design.

To cover the main themes of his research career, sessions will cover the following topics:

- Nucleation and grain refinement of light alloys
- Eutectic and peritectic solidification
- Defect formation in castings: porosity and hot tearing
- Solidification under external fields;
- Magnesium casting and alloys
- Aluminium casting and alloys,
- Solidification during additive manufacturing
- Approaches to collaborative research

ORGANIZERS

Mark A. Easton, RMIT University (Royal Melbourne Institute of Technology), Australia

Ma Qian, RMIT University (Royal Melbourne Institute of Technology), Australia

John F. Grandfield, Grandfield Technology Pty Ltd, Australia

Norbert Hort, Helmholtz-Zentrum Geesthacht, Germany

Mark Roderic Jolly, Cranfield University, United Kingdom

Nearly 4,000 presentations are planned
 at more than 80 symposia at TMS2019.

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 today to register and book housing.