

TMS2016

145th Annual Meeting & Exhibition

FEBRUARY 14-18 DOWNTOWN NASHVILLE,
TENNESSEE MUSIC CITY CENTER

Connecting the Global Minerals, Metals, and Materials Community.



Shape Casting: 6th International Symposium

Significant progress has been made in the quality and reliability of shape castings in the past several decades through a better understanding of the nature of structural defects, how they form, and how to avoid them. Light alloy castings are now replacing complex assemblies by offering weight savings and significant reduction in tooling, assembly, and quality costs. These advances have been made possible by research on the physics behind simulation codes, the quality of molten metal, the hydraulics of mold filling, and the nature of bifilms and their effect on mechanical properties. The first Shape Casting Symposium held in 2005 initiated a forum where researchers and foundry engineers could exchange their latest findings to improve the quality and reliability of shape castings. In the 6th International Symposium, leading edge technologies and the latest innovations in casting process design and quality improvements relative to shape casting will be explored through presentations by researchers from around the world.

Specifically, topics will include:

- Structure-property-performance relationships in cast metals
- Innovation in shape casting technology
- Modeling of shape casting processes
- Mechanical behavior of cast metals
- Quality and reliability improvement in shape castings

Organizers include:

Murat Tiryakioglu, University of North Florida (USA)

Glenn Byczynski, Nemak Canadian Operations (Canada)

Mark R. Jolly, Cranfield University (United Kingdom)

Learn More

at www.tms.org/TMS2016

Join us at TMS2016 in Downtown Nashville, Tennessee, February 14-18!