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148th Annual Meeting & Exhibition

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

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LIGHT METALS

DGM-TMS Symposium on Lightweight Metals: A Joint U.S.-European Symposium on Challenges in Light Weighting the Transportation Industry

The recent demand for lightweight metals (including aluminum and magnesium alloys) has seen historically high growth rates due in part to their role in meeting the continuously increasing requirements for improved fuel efficiency and reduced greenhouse gas emission for transport vehicles. In line with that, research and development efforts are leading to notable advances in these materials—in their processing as well as in their application—that justify a symposium on its own.

This joint symposium between TMS and DGM (the German Materials Society) welcomes contributions relating to its title that cover—but are not limited to—sustainable use of lightweight metals in the design and tailoring of monolithic and composite cast, wrought, and additive materials, as well as in the manufacturing of semi-finished and finished products. Especially welcomed are contributions with a possible scientific and technological relevance across the different material classes (e.g., DC- and twin-roll casting, rheo- and shape casting, extrusion, forging and warm forming, multi-material joining, hybrid lightweight design and performance, analytical and modeling approaches).

ORGANIZERS

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

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