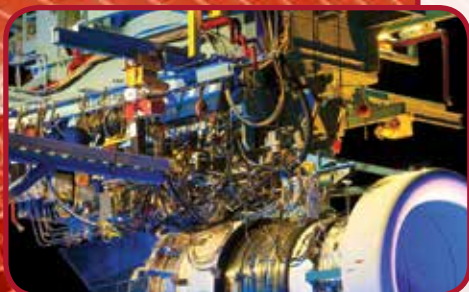
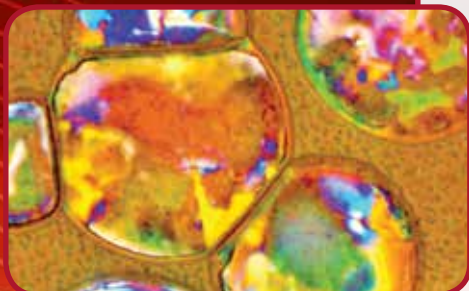


JOM Call for papers

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Emerging Mechanisms for Enhanced Plasticity in Magnesium

Inadequate ductility often hinders the application of magnesium alloys, which otherwise offer an excellent lightweight alternative for increasing energy efficiency. This special topic covers emerging methods that overcome this limitation. The scope is inherently multi-scale; ranging from fundamental mechanisms at the atomic/crystal defect level, up to large-scale production techniques. Optimizing mechanical properties via microstructure and crystallographic texture modification are considered; chemistry control and alloying, casting, powder-based strategies, as well as thermomechanical processing are addressed.

Original research papers should be 3,000-6,000 words with up to 8 figures maximum; review papers should be 6,000-10,000 words with up to 15 figures maximum.

Detailed author instructions are available at:
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Keywords for this topic: **Advanced processing; characterization; fundamentals; magnesium; mechanical properties; plasticity**

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