ANNUAL MEETING
150th
TMS2021
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AND EXHIBITION

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MARCH 14-18, 2021 • ORLANDO WORLD CENTER MARRIOTT
ORLANDO, FLORIDA, USA
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SUBMIT AN ABSTRACT TO:

ENERGY & ENVIRONMENT

ADVANCED MAGNETIC MATERIALS FOR ENERGY AND POWER CONVERSION APPLICATIONS

This symposium focuses on structure, properties, processing, and performance interrelationships for traditional and emerging magnetic materials. The symposium will cover soft and hard magnetic materials, magnetocaloric materials, magnetoelastic, magnetoelectric, magnetostrictive, and thermoelectric materials. The scope includes new material compositions, novel characterization approaches, and application driven magnetic component design for energy conversion, sensors, and actuators. We also encourage topics that focus on the economic and supply chain impacts that magnetic materials have on manufacturing and adaptation of technologies and applications as well as novel computational approaches used for the discovery and development of advanced magnetic material.

The symposium will place particular interest on the following topics:

1. Emerging and established advanced manufacturing methods
    a. bulk manufacturing of advanced magnetic materials e.g. nanostructured, amorphous,
    b. thermal-mechanical / thermal-magnetic processing,
    c. energy dense processing using RF, microwave, high pressure or high magnetic fields
2. Novel magnetic materials and processing techniques for sensor and actuator applications
3. System level implications and interactions of magnetic components and magnetic design

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SYMPOSIUM SPONSORS

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Abstract Deadline is July 1, 2020. Submit online at www.programmaster.org/TMS2021.

Questions?
Contact programming@tms.org