



SUBMIT AN ABSTRACT BY JULY 1

**MARCH 14-18, 2021 • ORLANDO WORLD CENTER MARRIOTT
ORLANDO, FLORIDA, USA**
www.tms.org/TMS2021 • #TMSAnnualMeeting

SUBMIT AN ABSTRACT TO:

ADDITIVE TECHNOLOGIES

ADDITIVE MANUFACTURING: BEYOND THE BEAM II

Additive manufacturing comprises a breadth of processes, which have significant commercial potential, design flexibility and technical challenges. Significant corporate and government resources have been committed to energy beam powder bed fusion processes, while solid state AM technologies have relied on commercial enterprises for development. Furthermore, the green part additive technologies build on existing process technology from the powder materials and ceramics, which enable the additive processing of non-weldable materials. These processes include but are not limited to: binder jetting, material extrusion, material jetting, bound filament process, nano-Inkjet printing. However, these processes introduce other challenges such as: feedstock development, alloy design, depowdering, powder recycling, binder design, debinding, process modeling, microstructural development, sintering distortion, sintering support structure design.

This symposium will explore the interrelationships between the various aspects on the process variables, properties, application performance, economics and functionality of these non-beam additive processes.

ORGANIZERS

Paul Prichard, Kennametal Inc., USA

James Paramore, Texas A&M University, USA

Peeyush Nandwana, Oak Ridge National Laboratory, USA

Nihan Tuncer, Desktop Metal, USA

SYMPOSIUM SPONSORS

TMS Materials Processing & Manufacturing Division

TMS Powder Materials Committee

TMS Additive Manufacturing Committee

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

Questions?
Contact programming@tms.org