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TMS 2017
146th Annual Meeting & Exhibition



February 26 – March 2, 2017
San Diego, California, USA

PIONEERS IN ADDITIVE MANUFACTURING

Additive manufacturing (AM) in the last few years has seen a significant increase in activity due to renewed industrial interest and government encouragement of several types of public/private partnerships, especially in the metals area. While AM is a relatively new materials processing technology, its roots go back at least a couple of decades when it was a new processing research area, described as 3-D Printing or Rapid (Metal) Prototyping. Many of the people who are currently innovating new materials solutions and applications were infants or not born yet when key processing problems were being solved. While some of the pioneering work was conducted with stereo lithography of polymers, many of the process technologies for metal “freeform fabrication” were an extension of thermal spray deposition, atomization spray deposition, laser cladding, various welding (e.g., hard-facing build-up) processes, and binder-assisted powder metal sintering.

This symposium will invite pioneers in the field of additive manufacturing along with current innovators in the field to present ground-breaking work that solved materials problems and enabled highly advanced manufacturing production. Contributed papers highlighting past, current, or future problems and solutions in AM also are encouraged.

ORGANIZERS

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