



## ASME TWO-DAY SYMPOSIUM

### Presented by ASME Gas Turbine Segment and IGTI Division

Advanced Manufacturing is changing the ways that many companies do business, as it has been proven to reduce lead time and cost while enhancing performance and innovation. This 2-day symposium brings together engineers, designers, repair professionals and business leaders at companies that design, manufacture, repair and own gas turbines to:

- Gain knowledge of the latest repair techniques for additive-built parts from renowned experts in the field.
  - **Timothy W. Simpson, Ph.D.**, Pennsylvania State University and Center for Innovative Materials Processing through Direct Digital Deposition (CIMP-3D)
  - **Dr. Bernd Burbaum, Andreas Graichen, Dr. Reiner Anton**, Siemens
- Experience innovative technologies by the leading companies leveraging advanced manufacturing.
- Contextualize how advanced manufacturing is changing business models and enhancing business transformation.
- Drive technology adoption through knowledge dissemination, workforce development, standards development, and conformity assessment solutions.
- Network with experts in advanced manufacturing for gas turbines.

Visit the **Symposium website for program topics and submit a presentation abstract:**  
[www.asme.org/events/amrgt](http://www.asme.org/events/amrgt)

Learn the state of the art in additive technology

Exposure to the latest repair techniques for additive built parts

Networking opportunities with experts in advanced manufacturing for gas turbines

Symposium Chairs:  
Jaroslaw Szwedowicz, Siemens;  
Richard Dennis, US DOE National Energy Technology Laboratory

ASME  
AMRGT Symposium

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March 19-20, 2019

## WHO SHOULD ATTEND?

- Gas turbine manufacturing and design engineers
- Equipment & process designers for advanced manufacturing
- Gas turbines service & repair professionals
- Gas turbine asset owners involved with maintenance repair and overhaul (MRO)
- Secondary service providers for the gas turbine industry
- Engineers supporting MRO of gas turbine machinery
- Advanced coatings and welding processes engineering professionals
- Academics and students involved with design for advanced manufacturing

## PROGRAM IN BRIEF:

- The first day will present two applied technical tutorials: (1) Additive Manufacturing for New Designs and (2) Additive Manufacturing for GT Repair.
- In the evening, a 2-hour technical tour will be held to visit an advanced manufacturing facility; followed by a symposium reception.
- The second day will include selected presentations from industry and academia on AM applications to aero and industrial manufacturing or/and repairing GT components.

## TUTORIALS:

### **“Designing for Metal Additive Manufacturing”**

- Prof. Timothy W. Simpson, Penn State University

### **“Additive Manufacturing and Advanced Repair for Gas Turbine Components”**

- Dr. Bernd Burbaum, Siemens
- Andreas Graichen, Siemens
- Dr. Reiner Anton, Siemens

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