

— Call for Abstracts —  
A Symposium on  
**Manufacturing Public Policy: Influence R&D Investment**

Co-sponsored by the ASME Manufacturing Public Policy Task Force, ASME's Manufacturing Engineering Division, and North American Manufacturing Research Institution (NAMRI/SME)

2018 ASME International Manufacturing Science and Engineering Conference (MSEC) and 46<sup>th</sup> North American Manufacturing Research Conference (NAMRC46)  
June 18-22, 2018  
Texas A&M University, College Station, Texas, USA

### **Focus**

Building a strong, modern, globally competitive manufacturing sector is critical to America's national security, energy independence and economic prosperity. Almost two-thirds of advanced stage research and development (R&D) is performed by U.S. manufacturers, making this sector critical to the commercialization of new technologies. In addition to supporting technological innovation and providing high-paying jobs, the manufacturing sector also provides a powerful multiplier effect on other parts of the economy, generating additional jobs in industries such as research, retail, shipping, services, etc. Manufacturing public policy affects government investment in manufacturing, especially research and development, and therefore should be a priority topic for the MSEC/NAMRC audience. Increasing the participation in public policy discourse by scientists and engineers who are experts in the area of manufacturing will help to raise the level of discussion.

The purpose of this symposium is to educate the MSEC/NAMRC audience on important manufacturing public policy issues, provide a venue for MSEC/NAMRC participants to present new ideas in manufacturing public policy, and encourage greater participation in public policy discussion by MED and NAMRI experts. Specific topics of interest include, but are not limited to:

- ASME and SME official positions on manufacturing public policy issues
- Recent and proposed new legislation relating to manufacturing, e.g., RAMI Act, Manufacturing Universities Act, American Innovation and Competitiveness Act, Chief Manufacturing Officer Act, Made in America Deduction Enhancement, etc.
- Roles for federal, state, and local governments; national laboratories; academia; public-private partnerships
- Priorities for Federal agency research and development investment in manufacturing in coming years
- Effects of automation on jobs and the economy
- Impacts of existing federal manufacturing programs on the private sector, academia, innovation, and U.S. competitiveness
- Impacts of intellectual property (IP) on manufacturing research and development
- Effects of public policy on start-ups and small and medium businesses/enterprise
- Manufacturing's relation to other public sectors and society on: food/water, energy, health/biosciences, cyber security, defense, etc.
- The importance of being an engaged citizen: how to and why you should share your success stories

### **Paper Submission**

Authors are encouraged to submit an 2-3 page position paper or extended abstract for review by **November 15, 2017** via the conference website. These abstracts will be the basis for selection to present at the conference and will not be included in the final conference proceedings. Full manuscripts are optional; if desired they should be submitted for review by November 15, 2017, and final revised manuscripts must be submitted by **March 31, 2018**. The [copyright transfer form](#) must be filled out and the presenting author must [pre-register](#) by **April 20, 2018** or the abstract and presentation will be withdrawn from the conference. Authors may also consult [www.asme.org/divisions/med/call/](http://www.asme.org/divisions/med/call/) for updates. **No papers are to be submitted to the organizers; submissions will only be accepted via the conference website at [www.asmeconferences.org/msec2018/](http://www.asmeconferences.org/msec2018/).**

### **Additional Symposium Activities**

To highlight this new area at MSEC/NAMRC, symposium organizers will:

- recruit high profile keynote speakers,
- organize a panel discussion comprised ASME Swanson Fellows who have served in the Executive Branch.

### **Organizers:**

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\* The conference is collocated with NAMRI/SME's 46th North American Manufacturing Research Conference (NAMRC46), which will have a separate call-for-papers. Please note that submissions of the same paper to more than one conference are not permitted.