National Network for Manufacturing Innovation

Congressional Briefing

hosted by **ASME** and **APLU**

in conjunction with

Rep. Tim Ryan (D-OH) and **Rep. Tom Reed** (R-NY) Co-Chairs, House Manufacturing Caucus

Wednesday, April 24, 2013 *from* 11am to 12:30pm
Rayburn House Office Building, Room B-318

Lunch will be provided on a first-come basis. There is no fee to attend this public event.
To confirm your attendance, please RSVP at the following link:
http://fs19.formsite.com/rsvp/nnmicb/index.html
or by email to: SmithRJ@asme.org

WELCOME:

Marc W. Goldsmith, President, ASME

Representative Tim Ryan, Member of Congress, House Manufacturing Caucus Co-Chair, D-OH

Representative Tom Reed, Member of Congress, House Manufacturing Caucus Co-Chair, R-NY

SPEAKERS:

Tom Kurfess, Former Assistant Director for Advanced Manufacturing, White House Office of Science and Technology Policy, Mechanical Engineering Professor, Georgia Tech

Steve Schmid, Assistant Director for Research Partnerships in the Advanced Manufacturing National Program Office at the National Institute of Standards and Technology (NIST), Professor of Aerospace and Mechanical Engineering, The University of Notre Dame

Ralph Resnick, President and Executive Director, National Center for Defense Manufacturing and Machining; Founding Director, National Additive Manufacturing Innovation Institute (NAMII)

Hod Lipson, Associate Professor, Mechanical & Aerospace Engineering and Associate Professor, Computing & Information Science, Cornell University

Manufacturing plays a critical role in the American economy, underpins U.S. innovation, and is essential to national security. The U.S. manufacturing sector continues to be a mainstay of our economic productivity, generating $1.8 trillion in GDP in 2011 (12.2% of total U.S. GDP). Manufacturing firms lead the nation in exports: The $1.3 trillion of manufactured goods shipped abroad constituted 86% of all U.S. goods exported in 2011. Moreover, manufacturing has a larger multiplier effect than any other major economic activity—$1 spent in manufacturing generates $1.35 in additional economic activity.

However, there are major changes occurring within the manufacturing sector due to advances in technology and increasing international competition. For these reasons, the health and performance of the U.S. manufacturing sector has become a topic of national interest and concern. A number of recent reports have offered a wide-variety of recommendations, including 16 recommendations from the President's Advanced Manufacturing Partnership, a private-sector led committee "aimed at reinventing manufacturing in a way that ensures U.S. competitiveness, feeds into the nation's innovation economy, and invigorates the domestic manufacturing base." Included in their recommendations was the creation of public-private partnerships to accelerate investment in and deployment of advanced manufacturing technologies. These regionally-based partnerships would make up the National Network for Manufacturing Innovation (NNMI). The pilot hub for NNMI was created in August of 2012 in Youngstown, Ohio known as National Additive Manufacturing Innovation Institute (NAMII).

This briefing will examine the NNMI program including the role of industry and academia in the partnership and what a successful NNMI program could offer to the U.S. economy.

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