

Purdue Manufacturing Forum-2017

Catching the Digital Wave

Sponsored by



Purdue University / Shively Club | Ross-Ade Pavilion, 850 Beering Drive, West Lafayette, IN

October 17, 2017

Forum Day 1

Framing the Challenges and Opportunities

- 12:00–1:15 PM **Registration Available; Poster Session and Buffet Luncheon**
- 1:15–1:45 PM **Welcome:** Thom Singer, Master of Ceremonies and Conference Catalyst
Gary Bertoline, *Dean, Purdue Polytechnic Institute*
Mung Chiang, *John A. Edwardson Dean of the College of Engineering, Purdue University*
Brief remarks: Nathan Hartman and John Sutherland, *IN-MaC Co-Executive Directors*
Tomas de la Rubia, *Chief Scientist & Executive Director of Discovery Park*
- 1:45–2:15 PM **Plenary 1:** Global Manufacturing Landscape
Tim Hanley, *Vice Chairman of the Board and Global Leader for Consumer and Industrial Products, Deloitte LLP*
- 2:15–3:15 PM **Conversation 1:** The Digital Wave: What is it and what will it look like?
Moderator: Nathan Hartman, *Dauch Family Endowed Professor and Head, Computer Graphics Technology, Purdue University*
Kevin Aker, *Executive Director, Global Manufacturing Engineering, Cummins, Inc.*
Ryan Kelly, *Director of Product Strategy, MakeTime*
Mike Nicholas, *Director, Manufacturing Business Programs Services, Microsoft*
- 3:15–3:45 PM **Coffee break**
- 3:45–4:05 PM **Keynote 1:** Federal Policies and Implications
William C. Bates, *Executive Vice President & Chief of Staff, Council on Competitiveness*
- 4:05–4:25 PM **Keynote 2:** U.S. Technological Readiness Assessment
Tim Shinbara, *VP Manufacturing Technology, Association for Manufacturing Technology*
- 4:25–5:25 PM **Conversation 2:** Catching the Digital Wave
Moderator: Thom Singer
David Stieren, *Division Chief for Programs and Partnerships, NIST MEP*
Bob Markley, *President, 3rd Dimension LLC*
Eric Anttonen, *Senior Director of IT for Manufacturing and Quality, Eli Lilly and Company*
Scott Whitlock, *President & CEO, Flexware Innovation, Inc.*
- 5:25–6:25 PM **Reception and Poster Session in Shively North**
- 6:25 PM **Dinner at Shively North**
“The Paradox of Potential” facilitated by Thom Singer

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Forum Day 2

Meeting the Challenges and Opportunities

- 7:30–8:00 AM **Continental Breakfast / Brief Remarks at 7:50 AM**
IN-MaC Co-Executive Directors
Nathan Hartman, *Dauch Family Endowed Professor and Head, Computer Graphics Technology, Purdue University*
John Sutherland, *Fehsenfeld Family Head, Environmental and Ecological Engineering, Purdue University*
Thom Singer "The Paradox Revisited"
- 8:00–9:00 AM **Conversation 3: Strategies to Implement Digital Manufacturing Technologies Now**
Moderator: Thom Singer
John Sutherland, *Fehsenfeld Family Head, Environmental and Ecological Engineering, Purdue University*
Jim Rusk, *Senior Vice President and Chief Technology Officer, Siemens PLM Software*
Jeannine Kunz, *VP Tooling U-SME and VP Training and Development, Society of Manufacturing Engineers*
- 9:00–9:30 AM **Keynote 3: Digital Wave Adoption Case Studies**
Michael F. Molnar, *Founding Director, Office of Advanced Manufacturing, National Institute of Standards and Technology*
- 9:30–10:00 AM **Coffee break**
- 10:00–10:30 AM **Plenary 2: Regional Resources to Support Manufacturing Prominence**
Ian Steff, *Deputy Assistant Secretary for Manufacturing, U.S. Department of Commerce*
- 10:30–11:30 AM **Conversation 4: Creating an Education 4.0 Pipeline for IIoT**
Moderator: Shatoya Jordan, *Principal, Purdue Polytechnic High School*
Mike Barnes, *Associate Chief Operating Officer for Employer Engagement, Indiana Department of Workforce Development*
Brennan Grignon, *Sr. Advisor & Deputy Assistant Secretary of Defense for Manufacturing and Industrial Base Policy, U.S. DoD*
James Caruthers, *Gerald and Sarah Skidmore Professor of Chemical Engineering, Purdue*
- 11:30–12:30 PM **Closing Conversation: Envisioning a Sustainable Plan for IIoT Mfg Competitiveness**
Moderator: Brian A. Burton, *President & CEO, Indiana Manufacturers Association*
David Hummels, *Dean, Krannert School of Management*
Stephen Ezell, *Vice President, Global Innovation Policy, Information Technology & Innovation Foundation*
David A. Vasko, *Director of Advanced Technology, Rockwell Automation*
- 12:30–1:30 PM **Lunch**