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