

Innovation Unleashed:

Physical Meets Digital

MONDAY APR 29

Pre-Conference Workshops

8AM - 12PM: Lessons in Servitization for Manufacturers**, *Dr. Jim Euchner (Aston University)*

8AM - 5PM: Innovation Bootcamp**, *Dr. Steven Lerner (IRI Emiritus)*

8:30AM - 4PM: Predicting the Future of Intelligent Systems Using Foresight**, *Jim Redden & Tom Culver (RTI Innovation Advisors)*

TUESDAY APR 30

6-6:45AM: Early Riser Running Club

7-8AM: Breakfast

8:15-9:15 AM: Opening Keynote - AI in 2020, *Dr. Andrew Moore (Google Cloud)*

**Requires a separate registration from the Annual Conference

TUE APR 30 CONT.

9:30-10AM: Express Sessions

Business Model Innovation Requires a New Code: the Transformative Capacity of Firm Specific Language, *Susan K. Cohen (Katz Graduate School, University of Pittsburgh)*

Lean Start-up in Large Organizations, *Jim Euchner (Research-Technology Management)*

Digitally Integrated Product Development in Manufacturing, *John Woods (Kalypso)*

Additive Manufacturing: Helping Build Aerospace's Future, *Nyle Miyamoto (the Boeing Company)*

Digitalization of R&D at BASF, *Brian Standen, BASF Corporation*

Creating a Project Course where Sponsoring Companies & Students Both Win, *Sean Ammirati (Carnegie Mellon University)*

10-10:30AM: Networking Break

10:30AM-12PM: Interactive Breakouts

Public-Private Partnerships Are the Potluck Dinners of Smart City Development, *Karen Lightman (Metro21: Smart Cities Institute)*

The Evolution of R&D in the Digital World, *Lou Gritzso (FM Global), James Golinveaux (Viking Group, Inc.)*

TUE APR 30 CONT.

10:30AM-12PM: Interactive Breakouts Cont.

PILOT Report: Brilliant Failures, *Stewart Mehlman (IRI Emiritus), Marcie Zaharee (MITRE Corp.), Laura Buen Abad (Sonoco), Preeti Chandra (Praxair), Candee Krautkramer (Kimberly-Clark), Joel Schall (Henkel)*

Bringing Data Science into the Innovation Decision Journey, *Michael Holman & Matt Wagner (Lux Research)*

Applying Industrial IoT and Advanced Analytics to Oil and Gas Production, *Sagar Asalapuram & John Woods (Kalypso)*

Digital Transformation Community, *Ken Canavan (Westinghouse Electric)*

12-1:15PM: Networking Lunch

1:15-2:30PM: Interactive Breakouts

The Technology Fallacy: How People are the Real Key to Digital Transformation, *Gerald Kane (Shea Center for Entrepreneurship, Boston College)*

Envisioning the Future of Intelligent Systems, *Jeff Cope, Tom Culver & Jim Redden (RTI Innovation Advisors)*

Tools for Transformational Corporate Innovation, *Sean Ammirati (Carnegie Mellon University), Lou Musante (Echo Strategies)*

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TUE APR 30 CONT.

1:15-2:30PM: Interactive Breakouts Cont.

Michelin's Digital Transformation Journey, *Eric Chaniot*
(*Michelin North America*)

Succeeding at Breakthrough Innovation, *Gina O'Connor*
(*Babson College*)

Roundtable: Best Practices for Capturing & Utilizing
Research & Product Development Data to Accelerate New
Product Introductions, *Denise Callihan, Kevin Gallagher,*
Daniel Moyano, Clara Nelson, Phillip Yu (PPG)

2:30-3PM: Networking Break

3-4:30PM: Closing Keynote - From Biologically Inspired Robots to
Collaborative Manufacturing Systems, *Howie Choset (Robotics Lab,*
Carnegie Mellon University)

5:30-7PM: Tech Start-up Showcase and Reception

WEDNESDAY MAY 1

6-6:45AM: Early Riser Running Club

7-8AM: Breakfast

8-9:15AM: Keynote - As Billions of Users Go Digital, Is Your
Company Falling Behind?, *Bob Evans (Evans Strategic*
Communications)

WED MAY 1 CONT.

9:30-10:30AM: Interactive Breakouts

Entegris's Journey to Implement Intelligent Systems, *Steve Moskowitz (Entegris)*

Industry + Universities + Cities: Next Generation Economic Development in Action, *Sean Luther (InnovatePGH), Rebecca Bagley (University of Pittsburgh), Mark Nolan (Carnegie Mellon University), David Ruppertsberger (Pittsburgh Regional Alliance)*

Shifting Your Thinking from Physical to Digital Ideas, *Jeffrey Phillips (RTI International)*

2019 Holland Award Winners present: Agile Stage-Gate for Manufacturers, *Robert Cooper (IRI Emiritus), Anita Friis-Sommer (LEGO Group)*

Implementing Integrated Innovation into Your Product Development, *Peter Boatwright (Carnegie Mellon University), Paul Sniegocki (Truck-Lite Corporation)*

Collaborate to Innovate Better? When Partner Diversity Leads to Breakthroughs, *Susan K. Cohen (University of Pittsburgh)*

10:30-11AM: Networking Break

WED MAY 1 CONT.

11AM-12:15PM: Interactive Breakouts

Rethink the Rink: a Collaboration to Improve Hockey Safety, *Bob Walker & Mark Bondi (Covestro), Sandra DeVincent Wolf (Carnegie Mellon University)*

John Deere's Autonomous Vehicle Projects, *Alex Foessel (John Deere)*

IdeaStorm Interactive Card Game: Linking Digital Ideas to Strategic Value, *Amy Kenly & Michael Glessner (Kalypso)*

Transformative Applications of AI, *Andrea Kates (I-Scale & the Business Institute of Denmark), Jim Euchner (Outside/Insight Consulting & Research-Technology Management)*

Formulating & Securing Funding for Long-term R&D Strategy, *Kent Young (Sherwin Williams), Pam Henderson (New Edge), Terry Rosenstiel (USG Corporation)*

12:15-1:15PM: Networking Lunch

1:15-2:15PM: Interactive Breakouts

Self-Driving Cars & the Future of People Movement, *Patrick Mondt (Uber)*

The Digital Movement of Physical Products, *Ted Dengel, FedEx*

WED MAY 1 CONT.

1:15-2:15PM: Interactive Breakouts Cont.

The International Space Station and Technology
Innovation When Your Life Depends Upon It, *Ken Savin*
(*International Space Station US National Lab*)

Panel: Making the Switch from Physical to Digital, *Sean Ammirati* (*Carnegie Mellon University*), *Dennis Boecker* (*Bosch*), *Tim Murphy* (*Phillips Respironics*), *Gustavo Lopez* (*MSA Safety Inc.*), *Terri Lonier* (*Make International*)

2:45-3:30PM: TIM (Topics in Innovation Management) Talks, *Julie Gulick* (*Bally Design*), *Barry Brager* (*Perception Partners*), *Keith Duncan* (*Planisware*)

3:30-4:45PM: Closing Keynote - How Technology, Big Data, and Systems Approaches are Transforming 21st Century Healthcare, *Dr. Leroy Hood* (*Institute for Systems Biology & 2019 IRI Medalist*)

6:30-7:30 PM: IRI Awards Ceremony - Presentation of the Marice B. Holland Award, the Achievement Award and the IRI Medal, *Honoring Robert Cooper, Anita Friis-Sommer, Patricia Bath & Leroy Hood*

7:30-9PM: Awards Reception & Dinner

THURSDAY MAY 2

6-6:45AM: Early Riser Running Club

7-8AM: Breakfast

THU MAY 2 CONT.

8AM-3PM: Post Conference Workshop - Forecasting Scenarios**, Andy Shafer (SIBBS), Mark Putnam (New Edge)

8:15AM-12:30PM: TechTrek Tours**

PPG Coatings Innovation Center

Westinghouse Electric AP1000 Simulator

National Robotic Engineering Center

AlphaLab Gear

Note: there is a separate registration fee associated with TechTrek tours for transportation and administrative costs. Busses will pick up attendees from the Wyndham Grand (location TBA) and drop off attendees at the airport or hotel after the tours are over. More information will be made available soon.