Thursday, November 12, 2015

10:00 a.m.

Strategic Investment in Disruptive Technologies
Vicki Barbur, PhD, Concurrent Technologies Corporation

Additive Manufacturing: One Small Step
Lonnie Love, PhD, Oak Ridge National Laboratory

Human-on-a-Chip: Navigating Stormy Biological Seas
John McLean, PhD, Vanderbilt Institute of Chemical Biology

Neuroscience and Technology: Next Generation of Neural Interfaces
Satinderpall Pannu, PhD, Lawrence Livermore National Laboratory

11:15 a.m.

R&D Management Complexity in the Next Decade
Bradford Goldenese, PhD, Goldenese Group

Custom Prototyping in the Lighting Industry: Advanced Technologies and Innovative Manufacturing Processes
Tony Holtz, Proto Labs

The Laboratory of Things: When Technology Meets Lab
Gene Tetreault, BIOVIA

The Microscopy Market
Barbara Foster, The Microscopy & Imaging Place
Thursday, November 12, 2015 Continued

Focus on Bioengineering
Babetta Marrone, PhD, Los Alamos National Laboratory

Avoiding a Loss in the Lab: Business Continuity Planning for R&D Organizations
Lester Keizer, Business Continuity Technologies

New R&D Tools & Innovations
David S. Bem, PhD, The Dow Chemical Company

2:15 p.m.
R&D Alliances: Relational, Portfolio and Network Factors Impacting Outcomes
Bruce Chehroudi, PhD, Advanced Technology Consultants

The Power of Collaboration: Less Risk, Less Cost
Alex Peng, PhD, Material and Chemical Research Laboratories, ITRI

Deductible R&D Costs: The New Regulations Landscape
Dan Mennel, CPA, Grant Thornton LLP, and Liza Zbarskaya, Senior Manager, Grant Thornton LLP

Quality by Design for Drugs
Amy Lachapelle, QBD Strategies

3:45 p.m.
Keynote Session: Innovation for the Energy Challenge
Thom Mason, PhD, Director, Oak Ridge National Laboratory

4:30 p.m.
Global R&D Funding Forecast

Friday, November 13, 2015

9:00 a.m.
Keynote Session: Dean Kamen, DEKA Research

10:15 a.m.
Building a Culture of Innovative Leadership
Tamara Carleton, PhD, Innovation Leadership Board LLC

Emerging Battery Technologies
Jeff Chamberlain, PhD, Argonne National Laboratory
10:15 a.m. Continued

**Artificial Intelligence in Automation**

Kyle Reissner, Rockwell Automation

**Facing the World’s Water Crisis: The Future of Wastewater Treatment**

Rakesh Govind, PhD, PRD Tech, Inc.

11:30 a.m.

**Stranded Technology: Unleashing the Potential**

William B. White, Offenberger & White

**Solar Cell Technology: Energizing the World**

Bill Tumas, PhD, National Renewable Energy Laboratory

**Robotics in Space Applications**

Jekan Thanga, PhD, Assistant Professor in the School of Earth and Space Exploration, Arizona State University

1:30 p.m.

**The Future of Best R&D Practices**

Daryl Belock, Thermo Fisher Scientific

1:30 p.m.

**Advanced Technologies and Innovation in Action**

Ted Bostic, PE, Stanley Black & Decker

**Disruptive Innovation Through Engineering Simulation**

Larry Williams, PhD, ANSYS

**Robots in Hazardous Environments: Reimagining Dull, Dirty and Dangerous**

Brian E. O’Neil, PhD, Los Alamos National Laboratory

**The Future of Cannabis Testing**

Scott Kuzdzal, PhD, Shimadzu Scientific Instruments

3:00 p.m.

**Young Mind Awards**

3:15 p.m.


6:00 p.m.

**2015 R&D 100 Awards Networking Reception**

6:45 p.m.

**2015 R&D 100 Awards Banquet**