



LAB-TO-MARKET FORUM

Water & Energy Infrastructures

June 2, 2016
8:00 A.M. – 4:30 P.M.
Walter A. Scheiber Board Room

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AGENDA

- 8:00 A.M. 1. REGISTRATION & REFRESHMENTS**
- 8:30 A.M. 2. WELCOMING REMARKS**
Mr. Stephen Walz, COG Environmental Programs Director
Dr. Phillip Singerman, US Department of Commerce & National Institute of Standards & Technology (NIST) Associate Director for Innovation & Industry Services
- 9:00 A.M. 3. EVOLUTION OF WATER & INFRASTRUCTURES**
Ms. Lisa Ragain, COG Environmental Programs (moderator)
Mr. Saul Kinter, DC Water Innovation Program Manager
Ms. Haydee De Clippeleir, DC Water Research Program Manager
- This session will review the evolution of water & energy infrastructure. Anticipated challenges of maintaining & improving these infrastructures will be highlighted along with potential technology & policy solutions.
- 9:30 A.M. 4. ADVANCED INFRASTRUCTURE SECURITY**
Dr. Jack Pevenstein, PE, NIST Technology Transfer Advisor (moderator)
Mr. Daniel Park, Mission Secure, Inc (MSi) Chief Technology Officer
Dr. Rick Jones, MSi VP Software & Systems Engineering
Mr. Carlos Solari, MSi Chief Information Officer
Mr. Steven Caldwell, DC Water Director of Security
Dr. Jim Jones, George Mason University Volgenau School of Engineering, Department of Electrical & Computer Engineering, Associate Professor
- The new age of infrastructure security involves both physical & cyber security risks. These risks must be addressed in a holistic, integrated way to ensure infrastructure security. This presents challenges in engineering design & upgrades as well as policy & regulatory challenges that must be overcome.
- See **demo** showing how an adversary could disrupt a production process (involving electricity generation or water distribution) & destroy key plant & field equipment; attack & defense/protection strategies will be highlighted.

10:30 A.M. 5. MORNING BREAK

10:45 A.M. 6. TAKING ADVANTAGE OF FEDERAL LAB OPPORTUNITIES – ROUND 1

Dr. Robert Griesbach, Federal Laboratory Consortium for Technology Transfer (FLC) Mid-Atlantic Chair (moderator)

Dr. Steve Evett, US Department of Agriculture (USDA) Conservation & Production Research Laboratory Research Soil Scientist

Dr. Fred Hauchman, US Environmental Protection Agency (US EPA) Office of Science Policy Director

Mr. David Trader, US Army Center for Environmental Health Research Biologist

This session will share information on how to tap into Federal laboratory resources to support energy & water infrastructures. Representatives of Federal laboratories will give quick presentations of inventions & technological innovations that could support improvements in energy & water infrastructures. Attendees will then have the opportunity to join roundtable break out discussions with the Federal laboratory experts to ask questions & discuss applications & opportunities for these technologies in the metropolitan Washington region.

12:15 P.M. 7. LUNCH (PROVIDED) & NETWORKING

1:00 P.M. 8. TAKING ADVANTAGE OF FEDERAL LAB OPPORTUNITIES – ROUND 2

Mr. Paul Zielinski, NIST Technology Partnerships Office Chief & FLC National Chairman (moderator)

Mr. Avi Gopstein, NIST Smart Grid Program Manager

Mr. Michael Hightower, Sandia National Laboratories Energy Systems Analysis Department Distinguished Member of the Technical Staff

Dr. Allan Kolker, US Geological Survey (USGS) Eastern Energy Resources Science Center Research Geologist

Captain K. Scott Pugh, USN (Ret) Department of Homeland Security Technology Transfer

This session will mirror Round 1 featuring additional federal agencies.

2:30 P.M. 9. AFTERNOON BREAK

2:45 P.M. 10. FOSTERING A REGIONAL INFRASTRUCTURE INNOVATION ECOSYSTEM

Mr. Ron Kaese, Maryland Technology Development Corporation (TEDCO) Federal Programs Director (moderator)

Mr. Abba Poliakoff, Esq., Attorney & NIST Entrepreneur-in-Residence

Mr. Phillip Usatine, NIST Entrepreneur-in-Residence & Serial Entrepreneur

Mr. Mac Mottley, Sparks, Inc Chief Executive Officer & Serial Entrepreneur

This session will open up a discussion on how the region's energy & water infrastructures can drive the creation of a commercial & manufacturing ecosystem that would provide products & services to support these infrastructures & create jobs & economic growth.

3:45 P.M. 11. NETWORKING & ONE-ON-ONE MEETINGS

Attendees are encouraged to meet with speakers, firms, representatives of Federal laboratories, & other attendees to further explore opportunities for collaboration & licensing.

4:30 P.M. 12. ADJOURN

Reasonable accommodations are provided upon request, including alternative formats of meeting materials.
For more information, visit: www.mwcog.org/accommodations or call (202) 962-3300 or (202) 962-3213 (TDD)