



Workshop on Energy Business Opportunities in NY State

October 5, 2017

Center of Excellence in Wireless and Information Technology (CEWIT)

1500 Stony Brook Rd, Stony Brook, NY 11794

Agenda

Morning Sessions

- 10:00 — Welcoming remarks— *Dr. Yacov Shamash*, Vice President for Economic Development, Stony Brook University.
- 10:05 — Organizational description of agencies, CAT mandate and interactions—*Dr. Ben Hsiao*, Director, CIEES, Stony Brook University.
- 10:15 — The Center for Integrated Electrical Energy Systems (CIEES) success stories and operational examples; *Dr. Vyacheslav Solovyov*, Deputy Director, CIEES, Stony Brook University.
- 10:30 — Center for Future Energy Systems (CFES) success stories and operational examples; *Dr. Martin Byrne*, Associate Director, CFES, Rensselaer Polytechnic Institute.
- 10:45 — Sensor CAT success stories and operational examples; *Dr. Peter Shkolnikov*, Deputy Director, Sensor CAT, Stony Brook University.
- 11:00 — Questions

11:05 — Coffee Break

- 11: 20 — Manufacturing and Technology Resource Consortium (MTRC) – *Dr. Imin Kao*, Executive Director, Stony Brook University
- 11: 30 — Strategic Partnership for Industrial Resurgence (SPIR) – *Dr., Lisa Chichura*, Associate Director, Stony Brook University.
- 11: 40 — Industrial relations, intellectual property, licensing and startups – *Donna Tumminello*, Assistant Director (Engineering and Appl. Sciences), Stony Brook University.
- 11: 50 — Clean Energy Business Incubator Program (CEBIP) – What CEBIP is and how it works, client companies examples – *David Hamilton*, Director, CEBIP.
- 12: 00 — Questions

12: 05 – 1:00 – **Working Lunch, including presentation by keynote speaker Tom Falcone, CEO, LIPA**

Afternoon session, Panel presentation and discussions

1:00 – Panel 1: Development of energy storage and energy generation, Moderator: Vyacheslav Solovyov (CIEES)

1. Advanced Batteries: Design, assembly, testing, and diagnostics (10 min) – *Prof. Amy Marschilok*, Stony Brook University.
2. Manufacturing and evaluation facilities at Brookhaven National Laboratory (10 min)– *Dr. Pat Looney*, Brookhaven National Laboratory.
3. High performance polymer electrolyte membranes for fuel cells and redox flow battery, *Prof. Chulsung Bae*, Rensselaer Polytechnic Institute. (10 min).
4. Trend Analysis of LI Solar Deployment & all-electric lifestyle. Tara Bono, Marketing Manager, SunPower by EmPower Solar. (10 min).
5. The South Fork Wind Farm: New York State's First Offshore Wind Project, *Jennifer Garvey*, Deepwater Wind, (10 min)
6. Transitioning to 100% Renewable Energy on Long Island's South Shore, *Gordian Raacke*, Renewable Long Island, (10 min)

Discussion

2:15 — Coffee break

2:30 — Panel 2: Deployment, integration and business opportunities, Moderator: Alejandro Schrott (CIEES)

1. Integrated and decentralized control in electric power systems, *Prof. Eugene Feinberg*, Stony Brook University, (10 min)
2. Monitoring of Transmission and Distribution Grids using PMUs, *Prof. Luigi Vanfretti*, Rensselaer Polytechnic Institute, (10 min)
3. Energy Demand Response Technologies for electric grid on LI, *Bruce Humenik*, Applied Energy Group (10 min)
4. Community solar 101, *Chuck Schwartz*, Community Solar and Partnership (10 min).
5. Developing Scenarios for Navigating the Renewable Energy Road-Map, *Dr. Jessica Price*, The Nature Conservancy (10 min).

Discussion

4:00 — Adjourn