



ADVANCED ENERGY™
RESEARCH AND TECHNOLOGY CENTER

BROOKHAVEN
NATIONAL LABORATORY

BROOKHAVEN
NATIONAL LABORATORY

TRACK A

**Energy Policy
(DAY 1)**

TRACK B

**Research, Technology
& Commercialization
(DAY 1)**

DAY 1

**CONTINENTAL
BREAKFAST**

7:00AM - 9:15AM

**PANEL
DISCUSSION**

8:05AM - 9:15AM

Welcome –

Dr. Yacov Shamash, Stony Brook University

The New York Energy Industry Summit –

Robert Hallman, New York State Governor’s Office

Gil Quiniones, New York Power Authority

Frank Murray, NYSERDA

BREAK 9:15AM - 9:30AM

SESSION I

9:30AM - 10:45AM

**• Unconventional Oil and Gas:
Opportunity or risk?**

CHAIRPERSON

Dr. Gerald Stokes,
Brookhaven National Laboratory

John Alloca, National Grid

Dr. Steven Hamburg,
Environmental Defense Fund

**• Brookhaven National
Laboratory User Facilities**

CHAIRPERSON

Dr. Doon Gibbs,
Brookhaven National Laboratory

Dr. Steven Dierker,
Brookhaven National Laboratory

Dr. Emilio Mendez,
Brookhaven National Laboratory

Dr. Michael McGuigan,
Brookhaven National Laboratory

LUNCH

11:30AM - 2:00PM

Mr. Robert B. Catell, Advanced Energy Center & NYS Smart Grid Consortium

Gil Quiniones, New York Power Authority

Undersecretary (acting) David Sandalow, United States Department of Energy

Allan Schurr, IBM Global Energy & Utilities Industry

Dr. Daniel Gerstein, United States Department of Homeland Security

BREAK 2:00AM - 3:30PM

SESSION II

2:30PM - 3:45PM

**• Nuclear Power: A low
carbon option for the future?**

CHAIRPERSON

Dr. Gerald Stokes,
Brookhaven National Laboratory

Robert Coward,
MPR Associates

Tom Johnson,
Alpha GeoScience

**• United States Department
of Energy User Facilities**

CHAIRPERSON

Dr. Doon Gibbs,
Brookhaven National Laboratory

Dr. G. Brian Stephenson,
Argonne National Laboratory

Dr. Sean Smith,
Oak Ridge National Laboratory

Dr. Roger Falcone,
Lawrence Berkeley National Laboratory

BREAK 3:45PM - 4:15PM

SESSION III

4:15PM - 5:30PM

**• The Utility of the Future:
Distributed or not?**

CHAIRPERSON

Paul DeCotis,
Long Island Power Authority

Robert Kendall, Navigant Consulting

William Zarakas, The Brattle Group

NOT SCHEDULED



RECEPTION/EXHIBITS/POSTER SESSION 5:30PM - 7:30PM





TRACK C

**Energy Storage
(DAY 1)**

TRACK D

**Advanced Building:
Revolutionizing Retrofits
(DAY 1)**

TRACK E

(DAY 1)

Welcome –
Dr. Yacov Shamash, Stony Brook University
The New York Energy Industry Summit –
Robert Hallman, New York State Governor’s Office
Gil Quiniones, New York Power Authority
Frank Murray, NYSERDA

BREAK 9:15AM - 9:30AM

• Storage Requirements for Electric Drive Vehicles

CHAIRPERSON

Matt Fronk, NY-BEST
Justin Zhou, G4
Jaycie Chitwood, Toyota
Tim Wells, BAE Systems
Dr. Amy Marschlok, Stony Brook University

• Retrofit Revolution: Energy Efficiency & Occupant Well-Being

CHAIRPERSON

Dr. Chris Pyke, United States Green Building Council
William Browning, Terrapin Bright Green
Lane Burt, United States Green Building Council

NOT SCHEDULED

Mr. Robert B. Catell, Advanced Energy Center & NYS Smart Grid Consortium
Gil Quiniones, New York Power Authority
Undersecretary (acting) David Sandalow, United States Department of Energy
Allan Schurr, IBM Global Energy & Utilities Industry
Dr. Daniel Gerstein, United States Department of Homeland Security

BREAK 2:00AM - 3:30PM

• Grid Scale Energy Storage I

CHAIRPERSON

Chrmn. Garry Brown, New York State Public Service Commission
John Zahurancik, AES Energy Storage
Sander Jacobs, GE Energy Storage
Eric Stallings, Xtreme Power

• Transformational Policies to Accelerate Retrofits

CHAIRPERSON

Greg Hale, National Resources Defense Council
Arah Schuur, United States Department of Energy
Janet Joseph, NYSERDA

NOT SCHEDULED

BREAK 3:45PM - 4:15PM

• Grid Scale Energy Storage II

CHAIRPERSON

Sindhu Subramanian, Electrosvaya
Roger Lin, A123
Dr. Eric McFarland, Urban Electric Power Inc.
Bikram Chatterji, Triple Point Energy

• From Rust to Platinum in the Salt City

CHAIRPERSON

Richard Cook, Cook + Fox Architects
Peter King, King & King Architects
Tom Fernandez, The Woodbine Group

NOT SCHEDULED



RECEPTION/EXHIBITS/POSTER SESSION 5:30PM - 7:30PM



DAY 1 CONTINUES ON NEXT PAGE

TRACK F

Energy Entrepreneur & Start-ups Funding (DAY 1)

TRACK G

Clean Energy Workforce Training & Certification (DAY 1)

TRACK H

BioEnergy (DAY 1)

BREAKFAST
7AM - 9:15AM
PANEL DISCUSSION
8:05AM - 9:15AM

Welcome –
Dr. Yacov Shamash, Stony Brook University
The New York Energy Industry Summit –
Robert Hallman, New York State Governor’s Office
Gil Quiniones, New York Power Authority
Frank Murray, NYSERDA

BREAK 8:45AM - 9:00AM

SESSION I
9:30AM - 10:45AM

• **Business Innovation – The Long Island Region**
CHAIRPERSON
Lawrence J. Waldman, EisnerAmper
Paul Schwartz, ThermoLift
Rudy Holesek, Priority Cool
Young Lee, SubSea
Benjamin Emley, WATT Fuel Cell

• **Career Pathways & The Expanding Role of LEED**
CHAIRPERSON
Beth Holst, United States Green Building Council
Neil Rosen, North Shore LIJ
Pamela Mendez, WSP Flack & Kurtz

• **Energy Feedstocks**
CHAIRPERSON
Dr. Timothy Volk, SUNY College of Environmental Science & Forestry
Dan Conable, Cato Analytics
Matt McArdle, Mesa Reduction Engineering and Processing, Inc.

BREAK 10:45AM - 11:30AM

LUNCH
11:30AM - 2PM

Mr. Robert B. Catell, Advanced Energy Center & NYS Smart Grid Consortium
Gil Quiniones, New York Power Authority
Undersecretary (acting) David Sandalow, United States Department of Energy
Allan Schurr, IBM Global Energy & Utilities Industry
Dr. Daniel Gerstein, United States Department of Homeland Security

BREAK 2:00PM - 2:30PM

SESSION II
2:30PM - 3:45PM

• **Business Innovation – Buffalo**
CHAIRPERSON
Michael Faltischek, Ruskin Moscou Faltischek
Dr. Charles Akers, Isolation Sciences
Dr. Vladimir Mitin, Optoelectronic Nanodevices
Rob Anstey, Graphene Devices
Dr. Sarbajit Banerjee, University at Buffalo

• **Certification & Accreditations in the Clean Energy Economy**
CHAIRPERSON
Rebecca Sterling, NYSERDA
Joe Sarubbi, Interstate Renewable Energy Council
Pat Fox, Interstate Renewable Energy Council
Larry Zarker, Building Performance Institute
Richard Lawrence, North American Board of Certified Energy Practitioners

• **Solid Biomass Energy – Residential**
CHAIRPERSON
Raymond Albrecht, Biomass Thermal Energy Council
Nathan Russell, NYSERDA
Dr. Dan Loughlin, United States Environmental Protection Agency
Christopher Brown, Brookhaven National Laboratory

BREAK 3:45PM - 4:15PM

SESSION III
4:15PM - 5:30PM

• **Business Innovation – Syracuse**
CHAIRPERSON
Ray Farrell, Carter, DeLuca, Farrell & Schmidt LLP
Crista Shopis, SynairCo
Nathan Ball, NOHMs Technologies
Dr. Shreefal Mehta, Paper Battery Company
Michael Gibbons, Cortland Research

• **Training for Commercial Buildings**
CHAIRPERSON
Patricia Malone, Advanced Energy Training Institute
Lia Webster, PECE
Michael Bobker, CUNY Baruch
Paul Meyer, WSP Flack & Kurtz
Don MacDonald, ULDQS

• **Solid Biomass Energy – Commercial**
CHAIRPERSON
Dr. Ellen Burkhard, NYSERDA
Michael Kelleher, SUNY College of Environmental Science & Forestry
Robert Braun, Genesys Engineering



RECEPTION/EXHIBITS/POSTER SESSION 5:30PM - 7:30PM



TRACK I

Smart Grid Technology & Energy CyberSecurity (DAY 1)

TRACK J

Advanced Transportation (DAY 1)

TRACK K

Advanced Lighting (DAY 1)

Welcome –
Dr. Yacov Shamash, Stony Brook University
The New York Energy Industry Summit –
Robert Hallman, New York State Governor’s Office
Gil Quiniones, New York Power Authority
Frank Murray, NYSEDA

BREAK 8:45AM - 9:00AM

• **Regional Smart Grid Challenges & Opportunities**
CHAIRPERSON
Patricia Hoffman,
United States Department of Energy
Frank Murray, NYSEDA
Stuart Nachmias, Con Edison
James Gallagher,
New York Independent System Operator

• **Advanced Technologies for Commercial Fleets I**
CHAIRPERSON
Joseph Tario, NYSEDA
Nick Cohn, TomTom
Steve Sprouffske,
Kapsch TrafficCom Inc.
Richard McDonough,
New York State Department of Transportation

• **Emerging Lighting Technologies**
CHAIRPERSON
Dr. Robert Karlicek,
Smart Lighting Engineering Research Center, Rensselaer Polytechnic Institute
Dr. Hany Elgala, Boston University
Tom Hamilton, Ketra
Joseph Adiletta, Digital Lumens

BREAK 10:45AM - 11:30AM

Mr. Robert B. Catell, Advanced Energy Center & NYS Smart Grid Consortium
Gil Quiniones, New York Power Authority
Undersecretary (acting) David Sandalow, United States Department of Energy
Allan Schurr, IBM Global Energy & Utilities Industry
Dr. Daniel Gerstein, United States Department of Homeland Security

BREAK 2:00PM - 2:30PM

• **Smart Grid in T&D: Report on DOE Funded Projects**
CHAIRPERSON
Bruce Germano,
Long Island Power Authority
Tom Magee, Con Edison
Kathleen Dalpe,
New York Independent System Operator
Rob Rowe, National Grid

• **Alternative Fuels for Heavy Vehicles: Natural Gas and Biodiesel**
CHAIRPERSON
Dr. Dennis Assanis,
Stony Brook University
Paul Kerkhoven, NGVAmerica
Steven Levy,
Sprague Operating Resources LLC
Rocco DiRico,
New York City Department of Sanitation

• **Innovative Lighting Solutions & Services**
CHAIRPERSON
Dr. Satyen Mukherjee, Philips Research
Dr. Francis Rubinstein,
Lawrence Berkeley National Laboratory
Dr. Jennifer Veitch,
National Research Council of Canada
Deborah Burnett,
Benya Burnett Consultancy

BREAK 3:45PM - 4:15PM

• **The Role of the Customer & Smart Grid**
CHAIRPERSON
Audrey Zibelman, Viridity
Dr. Matthew Enstice,
Buffalo Niagara Medical Campus
Edward White, National Grid

• **Advanced Technologies for Commercial Fleets II**
CHAIRPERSON
John Boesel, CALSTART
Tom Brotherton, CALSTART
Gino Porter, PepsiCo
Joe Ambrosio, EMD

• **Lighting and Health**
CHAIRPERSON
Dr. Mariana Figueiro,
Rensselaer Polytechnic Institute
Dr. Mark Rea,
Rensselaer Polytechnic Institute
Dr. Usha Satish,
SUNY Upstate Medical University
Mary Beth Gotti,
General Electric Lighting Institute



RECEPTION/EXHIBITS/POSTER SESSION 5:30PM - 7:30PM



DAY 1 CONTINUES ON NEXT PAGE

TRACK L	TRACK M	TRACK N
Advanced Manufacturing Technologies for Clean Energy Products (DAY 1)	(DAY 1)	Wind (DAY 1)

BREAKFAST 7AM - 9:15AM PANEL DISCUSSION 8:05AM - 9:15AM	<p>Welcome – Dr. Yacov Shamash, Stony Brook University The New York Energy Industry Summit – Robert Hallman, New York State Governor’s Office Gil Quiniones, New York Power Authority Frank Murray, NYSERDA</p>
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BREAK 8:45AM - 9:00AM

SESSION I 9:30AM - 10:45AM	<p>• UV/EB Curing Enables Advanced Energy Products CHAIRPERSON Gary Cohen, RadTech Dr. Mike Idacavage, Esstech Inc. Dr. Mark Tilley, MT Global Partners</p>	<p>— NOT SCHEDULED —</p>	<p>NOT SCHEDULED</p>
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BREAK 10:45AM - 11:30AM

LUNCH 11:30AM - 2PM	<p>Mr. Robert B. Catell, Advanced Energy Center & NYS Smart Grid Consortium Gil Quiniones, New York Power Authority Undersecretary (acting) David Sandalow, United States Department of Energy Allan Schurr, IBM Global Energy & Utilities Industry Dr. Daniel Gerstein, United States Department of Homeland Security</p>
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BREAK 2:00PM - 2:30PM

SESSION II 2:30PM - 3:45PM	<p>• Green Composites Manufacturing – A View From Upstate NY CHAIRPERSON Dr. Daniel Walczyk, Rensselaer Polytechnic Institute Zachary August, Automated Dynamics Gavin McIntyre, Ecovative Design, LLC Dr. Ronald Bucinell, Union College</p>	<p>— NOT SCHEDULED —</p>	<p>• OnShore/OffShore Wind 2.0 CHAIRPERSON Richard Kessel, Energy Consultant Arthur Kaliski, MilWind William Moore, Deepwater Wind Bruce Bailey, AWS Truepower Dr. Kiruba Haran, GE Global Research</p>
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BREAK 3:45PM - 4:15PM

SESSION III 4:15PM - 5:30PM	<p>• Innovations in Manufacturing of Clean Tech CHAIRPERSON Miriam Pye, NYSERDA Dr. Leo Showalter, Crystal IS Dr. Joseph Penga, Free Form Fibers</p>	<p>— NOT SCHEDULED —</p>	<p>• Canada/NY Region Wind Energy Research & Facilities CHAIRPERSON Dr. Mark Glauser, Syracuse University Dr. Horia Hangan, University of Western Ontario Dr. Kenneth Visser, Clarkson University Dr. David Johnson, University of Waterloo</p>
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RECEPTION/EXHIBITS/POSTER SESSION 5:30PM - 7:30PM
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ADVANCED ENERGY™
RESEARCH AND TECHNOLOGY CENTER

DAY 2

TRACK A	TRACK B
Energy Policy (DAY 2)	Green Data Centers (DAY 2)
Dr. Samuel Aronson, Brookhaven National Laboratory Dr. Harriet Kung, United States Department of Energy Ken Daly, National Grid	
BREAKFAST 7:00AM - 8:45AM KEYNOTES 7:45AM - 8:45AM	<ul style="list-style-type: none"> Advanced Data Centers & Strategic Directions CHAIRPERSON Dr. Laura Pullum, Oak Ridge National Laboratory Robert Huang, The Cadmus Group/EPA Jeff Burke, OptiCool Technologies
SESSION IV 9:00AM - 10:15AM	NOT SCHEDULED
BREAK 10:15AM - 10:45AM	
SESSION V 10:45AM - 12:00PM	<ul style="list-style-type: none"> Smart Data Centers Design CHAIRPERSON Dr. Roger Schmidt, IBM Brad Thrash, GE Dr. H. Ezzat Khalifa, Syracuse University Jack Glass, Citigroup
<ul style="list-style-type: none"> Planning and Policy in Practice: NY's Energy Initiatives CHAIRPERSON John Williams, NYSERDA Jill Anderson, New York Power Authority Sarah Osgood, NYSERDA 	
BREAK 12:00PM - 12:25PM	
LUNCH 12:25 PM - 1:55 PM	President Samuel Stanley, Stony Brook University Chancellor Nancy Zimpher, SUNY Mayor Michael Bloomberg, City of New York Paul Browning, GE Energy Dr. Daniel Yergin, IHS Cambridge Energy Research Associates
BREAK 1:55PM - 2:15PM	
SESSION VI 2:15PM - 3:30 PM	<ul style="list-style-type: none"> Greening Data Centers CHAIRPERSON Dan Mascola, Vigilent, Inc. Dr. Nicole Peill-Moelter, Akami Technologies William Amann, M&E Engineers Jim Mercer, CA Technologies
<ul style="list-style-type: none"> Energy Policy Challenges in the Canada-New York Region CHAIRPERSON Dan Kolundzic, Nanos Research Edward Arlitt, Independent Electricity System Operator Susan Marlin, Queen's University Dr. Stephen Bird, Clarkson University 	
BREAK 3:30PM - 3:45PM	
SESSION VII 3:45PM - 5:00 PM	<ul style="list-style-type: none"> Security & Education in Green Data Centers CHAIRPERSON Dr. Xiaohui Cui, Oak Ridge National Laboratory, NYIT Dr. Ziqian Dong, New York Institute of Technology Dr. Roberto Rojas-Cessa, New Jersey Institute of Technology
NOT SCHEDULED	

DAY 2 CONTINUES ON NEXT PAGE



TRACK C

Energy Storage (DAY 2)

TRACK D

Advanced Building: Revolutionizing Retrofits (DAY 2)

TRACK E

Informatics in Urban Energy Systems (DAY 2)

BREAKFAST 7:00AM - 8:45AM
KEYNOTES 7:45AM - 8:45AM

Dr. Samuel Aronson, Brookhaven National Laboratory
Dr. Harriet Kung, United States Department of Energy
Ken Daly, National Grid

SESSION IV
9:00AM - 10:15 AM

• **Energy Storage Policy**
CHAIRPERSON
Michael Stosser, Day Pitney
Commissioner John Norris,
Federal Energy Regulatory Commission
Shaun Johnson,
New York Independent System Operator
Dr. William Acker, NY-BEST

• **Revolutionizing Retrofit Financing**
CHAIRPERSON
Catherine Hill, CooperHill
Sidney Davidson,
Utilities Conservation Company
Thomas Polich, Monolith Solar Associates

• **From Data to Urban Informatics**
CHAIRPERSON
Dr. Steven Koonin,
NYU Center for Urban Science
and Progress

BREAK 10:15AM - 10:45AM

SESSION V
10:45AM - 12:00 PM

• **Community Energy Storage**
CHAIRPERSON
Dr. Ali Nourai,
DNV KEMA Energy & Sustainability
Brad Roberts, S&C Electric
Dr. Glenn Skutt, PowerHub Systems

• **Combining Heat & Power
for Retrofit Excellence**
CHAIRPERSON
Timothy Banach,
Pace Energy and Climate Center
Gearoid Foley,
Integrated CHP Systems Corp
Joseph Camean, van Zelm Engineers

• **Visualization of NYC
Transportation Data**
CHAIRPERSON
Dr. Claudio Silva,
NYU Center for Urban Science
and Progress
Dr. Carlos Scheidegger, AT&T

BREAK 12:00PM - 12:25PM

LUNCH
12:25PM - 1:55P

President Samuel Stanley, Stony Brook University
Chancellor Nancy Zimpher, SUNY
Mayor Michael Bloomberg, City of New York
Paul Browning, GE Energy
Dr. Daniel Yergin, IHS Cambridge Energy Research Associates

BREAK 1:55PM - 2:15PM

SESSION VI
2:15PM - 3:30 PM

• **Technology Advancements
in Energy Storage**
CHAIRPERSON
Dr. Esther Takeuchi, Stony Brook University
Chad Hall, Ioxus
Larry Thomas, Primet Precision Materials
Dr. Stanley Whittingham,
Binghamton University

• **Investing in
Innovations for Retrofits**
CHAIRPERSON
Silda Wall Spitzer,
NewWorld Capital Group
Louis Schick, NewWorld Capital Group
Curtis Ravenel, Bloomberg
Steven Wacaster, Pegasus

• **Towards the Next
Quadrennial Technology Review**
CHAIRPERSON
Micah Kotch, NYC ACRE
Riggs Kubiak, Honest Buildings
Jayanth Eranki, InfoSys
Joe O'Connor, Cisco Systems

BREAK 3:30PM - 3:45PM

SESSION VII
3:45PM - 5:00 PM

• **Fuel Cell Advancements**
CHAIRPERSON
Dr. Sathya Motupally, UTC Power
Arkady Malakhov, Solid Cell
Philippe Boisvert, Plug Power
Dr. Doreen Edwards, Alfred University

• **Innovations for
Revolutionary Retrofits**
CHAIRPERSON
Dr. H. Ezzat Khalifa,
Syracuse University
Steve Slayzak, Coolerado Corp.
William Shultes, NuClimate
Tony Abate, Atmos Air Solutions

• **Urban Building Energy
Data Analytics**
CHAIRPERSON
Dr. Constantine Kontokosta,
NYU Center for Urban Science
and Progress
Laurie Kerr, New York City's Office
of Long Term Planning and Sustainability
Anthony Guma, CoStar Group

TRACK F

TRACK G

TRACK H

Energy Entrepreneur & Start-ups Funding (DAY 2)

Geothermal & Renewables (DAY 2)

BioEnergy (DAY 2)

Dr. Samuel Aronson, Brookhaven National Laboratory
 Dr. Harriet Kung, United States Department of Energy
 Ken Daly, National Grid

• **Business Innovation – Rochester**
CHAIRPERSON
 Jim Mercer, CA Technologies
 Harry Epstein, Quadrant Management
 Jennifer Indovina, Tenrehte
 Ryan McGann, Solar Cool Technologies

• **Utility/Campus-Scale Geothermal**
CHAIRPERSON
 Dr. Lynn Stiles, The Richard Stockton College of New Jersey
 Jeff Urlaub, MEP Associates
 Paul Boyce, P.W. Grosser Consulting

• **Biogas**
CHAIRPERSON
 Stephen Hoyt, NYSERDA
 Donald Chahbazpour, National Grid
 Lauren Toretta, CH4 Biogas
 Anthony Fiore, New York City Department of Environmental Protection
 Emily Rubenstein, New York City Department of Sanitation

BREAK 10:15AM - 10:45AM

• **Business Innovation – New York City**
CHAIRPERSON
 Frank Zammataro, Rentricity, Inc.
 Jonathan McClelland, DG Energy Partners
 Mei Shibata, ThinkEco
 David Mahfouda, Weeels
 Riggs Kubiak, Honest Buildings

• **Urban Geothermal System Applications**
CHAIRPERSON
 Dr. Vijay Modi, The Earth Institute at Columbia University
 John Rice, AKF Group Engineers
 John Rhyner, P.W. Grosser Consulting

• **Thermochemical Conversion to Fuels**
CHAIRPERSON
 Dr. Suresh Babu, Brookhaven National Laboratory
 Dr. Helena Chum, National Renewable Energy Laboratory
 Elliot Levine, United States Department of Energy
 Dr. Thomas Amidon SUNY College of Environmental Science & Forestry

BREAK 12:00PM - 12:25PM

President Samuel Stanley, Stony Brook University
 Chancellor Nancy Zimpher, SUNY
 Mayor Michael Bloomberg, City of New York
 Paul Browning, GE Energy
 Dr. Daniel Yergin, IHS Cambridge Energy Research Associates

BREAK 1:55PM - 2:15PM

• **Promoting Entrepreneurship in New York City**
CHAIRPERSON
 David Gilford, New York City Economic Development Corporation
 Jeffrey Peterson, NYSERDA
 Dr. Reed Phillips, Energystics, Ltd
 Seth Frader-Thompson, EnergyHub

• **Paths to a Carbon-Free Economy**
CHAIRPERSON
 Dr. Arjun Makhijani, Institute for Energy and Environmental Research
 Dr. Georg Maue, Embassy of the Federal Republic of Germany
 Kristopher Stevens, Ontario Sustainable Energy Association
 Carol Murphy, Alliance for Clean Energy New York

• **Alternative Liquid Fuels**
CHAIRPERSON
 Steven Caputo, New York City Mayor’s Office
 Isabelle Silverman, Environmental Defense Fund
 Raymond Albrecht, National Biodiesel Board
 Dr. Steven Fitzpatrick, Biofine LLC

BREAK 3:30PM - 3:45PM

• **Creating Successful Clean Energy Companies**
CHAIRPERSON
 Dr. Walter Copan, Brookhaven National Laboratory
 Robert Lahey, Ardour Capital Investments
 John Freer, GE Global Research

• **Choices: Natural Gas or Renewables?**
CHAIRPERSON
 Dr. Anthony Ingraffea, Cornell University
 Daniel Rozell, Stony Brook University
 Geoff Keith, Synapse Energy Economics
 Dr. J. Patrick Looney, Brookhaven National Laboratory

• **Bio Energy & Products in the Canada-New York Region**
CHAIRPERSON
 Dr. Andrew Pollard, Queen’s University
 Dr. Jon Pharoah, Queen’s University
 Dr. Jeongmin Ahn, Syracuse University
 Dr. Heather Coleman, Syracuse University

DAY 2 CONTINUES ON NEXT PAGE

TRACK I

Smart Grid Technology & Energy CyberSecurity (DAY 2)

TRACK J

Advanced Transportation (DAY 2)

TRACK K

Northeast Renewable Energy Integration (DAY 2)

BREAKFAST 7:00AM - 8:45AM
KEYNOTES 7:45AM - 8:45AM

Dr. Samuel Aronson, Brookhaven National Laboratory
Dr. Harriet Kung, United States Department of Energy
Ken Daly, National Grid

SESSION IV
9:00AM - 10:15 AM

• **Energy Cybersecurity I**
CHAIRPERSON
Dr. Rob Johnson, Stony Brook University
William Miller, MaCT
Swapnil Wadikar, GE Energy
Dr. Rae Zimmerman, NYU Wagner School of Public Service

• **EV Infrastructure**
CHAIRPERSON
Richard Drake, NYSERDA
Richard Lowenthal, Coulomb Technologies
Christine Kirby, Massachusetts Department of Environmental Protection
Brian Valenza, Beam Charging LLC

• **Challenges for Renewables Integration**
CHAIRPERSON
Dr. Frank Felder, Rutgers University
Marie Schnitzer, AWS Truepower

BREAK 10:15AM - 10:45AM

SESSION V
10:45AM - 12:00 PM

• **Energy Cybersecurity II**
CHAIRPERSON
Ed Reinfurt, Empire State Development
Andy Bochman, IBM
Ernie Hayden, Verizon
FBI NY Cyber Branch Special Agent, United States Federal Bureau of Investigation

• **Urban Transportation Systems**
CHAIRPERSON
Andrew Bata, Metropolitan Transportation Authority
Dr. John Tipaldo, New York City Department of Transportation
Collette Ericsson, MTA Bus & New York City Transit Department of Buses
Tom Lamb, MTA/New York City Transit Office of Strategic Innovation and Technology

• **Grid Integration: Role of Storage**
CHAIRPERSON
Chester Lyons, DNV KEMA Energy & Sustainability
Dr. Xiaoyu Wang, Brookhaven National Laboratory
Dr. Kerop Janoyan, Clarkson University

BREAK 12:00PM - 12:25PM

LUNCH
12:25PM - 1:55PM

President Samuel Stanley, Stony Brook University
Chancellor Nancy Zimpher, SUNY
Mayor Michael Bloomberg, City of New York
Paul Browning, GE Energy
Dr. Daniel Yergin, IHS Cambridge Energy Research Associates

BREAK 1:55PM - 2:15PM

SESSION VI
2:15PM - 3:30 PM

• **Regional Smart Grid Collaborations & Initiatives**
CHAIRPERSON
Dr. Gerald Stokes, Brookhaven National Laboratory
Rebecca Norman, VSE Corp
Omar Saad, Hydro Quebec Research Institute (IREQ)
Matt Futch, IBM
Bruce Fardanesh, New York Power Authority

• **Transportation Demand Management (TDM)**
CHAIRPERSON
Adam Ruder, NYSERDA
Jeff Olson, Alta Planning & Design
Ellwood Hanrahan, New York State Department of Transportation
Deron Lovass, National Resource Defense Council
Mark Tornquist, vRide

• **Systems Performance & Impact on Electricity Infrastructure**
CHAIRPERSON
Robert Lofaro, Brookhaven National Laboratory
Robert Schaefer, AlsoEnergy
Michael Deering, Long Island Power Authority
Rick Martin, General Electric

BREAK 3:30PM - 3:45PM

SESSION VII
3:45PM - 5:00 PM

• **State of the Art & Future Smart Grid**
CHAIRPERSON
Dr. Jim Misewich, Brookhaven National Laboratory
Carl Imhoff, Pacific Northwest National Laboratory
Dr. Mani Vadari, Modern Grid Solutions
Dr. Anjan Bose, Washington State University
Dr. Heiko Lehmann, Deutsche Telekom AG

• **Transportation Land Use (TLU)**
CHAIRPERSON
Adam Ruder, NYSERDA
John Nolon, Pace University School of Law
Paul Krekeler, New York State Department of Transportation
Daniel Hernandez, Jonathan Rose Companies Planning Practice

• **Advanced Photovoltaics**
CHAIRPERSON
Dr. Antulio Tarazona, EcherKon Technologies
Glen Finkel, Pureti
Dr. Matthew Eisaman, Brookhaven National Laboratory
Patrick Thompson, New Energy Technologies

TRACK L

Advanced Manufacturing Technologies for Clean Energy Products (DAY 2)

TRACK M

Natural Gas: A Critical Resource for Our Energy Future (DAY 2)

TRACK N

SMART Tools for Large Scale Solar Deployment (DAY 2)

Dr. Samuel Aronson, Brookhaven National Laboratory
Dr. Harriet Kung, United States Department of Energy
Ken Daly, National Grid

• **UV/EB Curing - NYS Activities and Opportunities**

CHAIRPERSON

Dr. Mark Driscoll, SUNY College of Environmental Science & Forestry
Joseph Bringley, Transparent Materials
Daniel Montoney, Rapid Cure Technologies

• **Role of Natural Gas in U.S. Energy Future**

Natural Gas Track Opening Remarks

Peter Robertson - ANGA

CHAIRPERSON

Mr. Robert B. Catell, Advanced Energy Center & NYS Smart Grid Consortium
Michael Ruiz, National Grid
Russ Young, GE

• **SMART NY- Setting precedence with NYC's Rooftop Challenge**

CHAIRPERSON

Tria Case, CUNY
Margarett Jolly, Con Edison
John Lee, New York City Department of Buildings
Department of Sanitation

BREAK 10:15AM - 10:45AM

• **Fiber Reinforced Composites: Energy Savings in Downstate NY**

CHAIRPERSON

Tony Berejka, Ionicorp
Dr. Marshall Cleland, IBA Industrial
Dan Dispenza, Nordan Composite Technologies

• **Components of a Sustainable Energy Outlook**

CHAIRPERSON

John Larson, IHS Global Insight
Dr. Sergej Mahnovski, New York City Mayor's Office
Joel Bluestein, ICF International

• **Tackling Soft BOS Costs with Smarter IT**

CHAIRPERSON

Dr. Sean Ahearn, CUNY Hunter
Marvin Laster, IBM
Darren Hammel, Princeton Power Systems

BREAK 12:00PM - 12:25PM

President Samuel Stanley, Stony Brook University
Chancellor Nancy Zimpher, SUNY
Mayor Michael Bloomberg, City of New York
Paul Browning, GE Energy
Dr. Daniel Yergin, IHS Cambridge Energy Research Associates

BREAK 1:55PM - 2:15PM

• **Biomimetic Approaches to Advanced Manufacturing**

CHAIRPERSON

Chris Garvin, Terrapin Bright Green
Dr. Nathaniel Cady, University of Albany, College of Nanoscale Science & Engineering
Dr. Magnus Bergkvist, University of Albany, College of Nanoscale Science & Engineering

• **A Path Forward with NGVs**

CHAIRPERSON

William Freeman, Chesapeake Energy
Aron Lantz, Larson Design
Russell Barnett, Town of Smithtown
Paul Kouroupas, VNG.CO

• **We Can Do it Here - NYC Case Studies**

CHAIRPERSON

David Buckner, Solar Energy Systems, LLC
Rob Ashmore, AeonSolar
Anthony Pereira, altPOWER

BREAK 3:30PM - 3:45PM

• **Energy Efficiency in Industry: Case Studies**

CHAIRPERSON

Wendy MacPherson, NYSERDA
Peter Serian, Energy & Resource Solutions, Inc.
Lucy Neiman, Energy & Resource Solutions, Inc.
George Zuniga, Energy & Resource Solutions, Inc.

NOT SCHEDULED

• **Smart. Hot. Water.**

CHAIRPERSON

Wilson Rickerson, Meister Consultants Group
David Gilford, New York City Economic Development Corporation
Richard Klein, Quixotic Systems
Alison Kling, CUNY