

## EARLY REGISTRATION & PRE-CONFERENCE WORKSHOPS – MONDAY, MARCH 26

12:00pm -  
5:00pm

**Early Registration – Badge Pickup Open**  
12:00pm - 5:00pm Exhibitor Setup

## PRE-CONFERENCE WORKSHOPS AGENDA – MONDAY, MARCH 26

2:00pm-  
6:00pm

### PRE-CONFERENCE WORKSHOP SERIES Open to All; No Cost to Attend – Advance Registration Required

#### **Leading the Charge: Evolving Roles of Women in Energy**

Introduced by: Lisa Broughton, Suffolk County

Panel 1 (2:00pm - 3:15pm):

Recruiting, Advancing and Retaining Women in the Energy Industry

2:00pm -  
4:30pm

Moderator: Sammy Chu, Edgewise Energy

Panelists: Ellen Redmond, IBEW • Kimberly A. Harriman, New York Power Authority  
Ed Murphy, Workforce Development Institute • Paul Meyer, WSP USA

Panel 2 (3:15pm - 4:30pm):

Addressing Implicit Bias through Culture and Climate

Moderator: Pat Malone, Stony Brook University Center for Corporate Education

Panelists: Alicia Barton, NYSERDA • Kenneth D. Daly, National Grid  
Dr. Doon Gibbs, Brookhaven National Laboratory • Danielle Merfeld, PhD, GE Renewable Energy  
Kristine Pizzo, NYPA

2:00pm -  
3:30pm

#### **How Should Emerging Energy Technologies Advance the State Energy Plan Goals?**

Hosted By: NYSERDA

5:00pm -  
6:00pm

**Welcome Reception**  
(AEC2018 Registered Attendees)

6:00PM

**ADJOURNED, REGISTRANTS ARE NOW FREE TO GO OUT TO A LOCAL RESTAURANT FOR DINNER**



a New York State designated Center of Excellence

**CONFERENCE AGENDA – TUESDAY, MARCH 27**

**CONFERENCE AGENDA – TUESDAY, MARCH 27**

7:00AM Registration Open				7:00AM Registration Open			
8:00AM Breakfast Begins in Exhibit Area - Open Networking				8:00AM Breakfast Begins in Exhibit Area - Open Networking			
<b>PLENARY SESSION</b> <i>6th Floor, Broadway Ballroom</i>	9:00am - 9:05am <b>Opening Remarks</b> Robert B. Catell, AERTC			9:00am - 9:05am <b>Opening Remarks</b> Robert B. Catell, AERTC			
	9:05am - 9:20am <b>Plenary Speaker</b> Richard Kauffman, Office of New York Gov. Andrew Cuomo			9:05am - 9:20am <b>Plenary Speaker</b> Richard Kauffman, Office of New York Gov. Andrew Cuomo			
	9:20am - 9:35am <b>Keynote Speaker</b> Gil C. Quiniones, President & CEO, NYPA			9:20am - 9:35am <b>Keynote Speaker</b> Gil C. Quiniones, President & CEO, NYPA			
	9:35am - 9:40am <b>Closing Logistics</b> Robert B. Catell, AERTC			9:35am - 9:40am <b>Closing Logistics</b> Robert B. Catell, AERTC			
9:40AM - 10:15AM <b>NETWORKING BREAK, VISIT EXHIBITORS - 5TH FLOOR</b>				9:40AM - 10:15PM <b>NETWORKING BREAK, VISIT EXHIBITORS - 5TH FLOOR</b>			
<b>SESSION I</b> 10:15am - 11:30am <i>7th Floor</i>	<b>TRACK A</b> <b>EVs, Utilities and the Electric Grid</b> <b>CHAIRPERSON:</b> Luke Tonachel, NRDC John Shipman, Con Edison Nancy Ryan, Energy + Environmental Economics (E3) Scott Fisher, Greenlots Karsten Barde, National Grid	<b>TRACK B</b> <b>Emerging Smart Grid Technologies</b> <b>CHAIRPERSON:</b> Laney Brown, Concentric Energy Advisors Michael Oshetski, Micatu Incorporated Charles Murray, Switched Source Dr. Bob Currie, Smarter Grid Solutions Peter Lilienthal, PhD, HOMER Energy	<b>TRACK C</b> <b>Department of Energy R&amp;D</b> <b>CHAIRPERSON:</b> Dr. Thomas A. Butcher, Brookhaven National Laboratory Jon Longtin, PhD, Stony Brook University Dr. Sotirios Mamalis, Stony Brook University Paul Kalb, Brookhaven National Laboratory Eli Leland, PhD, Voltaiq	<b>TRACK D</b> <b>Marketing &amp; Branding as R&amp;D Considerations</b> <b>CHAIRPERSON:</b> Mei Shibata, Essense Partners Kiran Bhatraju, Arcadia Power James Heath, Southern Company David Bend, Nest Labs Jane Parker, Interbrand Health	<b>TRACK E</b> <b>Advanced Manufacturing Policies and Practices</b> <b>CHAIRPERSON:</b> Dr. Robert Ivester, US DoE - Advanced Manufacturing Office Leonard Poveromo, Composites Prototyping Center T. Paul Chow, RPI Daniel Ocorr, Kodak	<b>TRACK F</b> <b>New York Offshore Wind Master Plan</b> <b>CHAIRPERSON:</b> Stephanie McClellan, PhD, University of Delaware Doreen Harris, NYSERDA Greg Lampman, NYSERDA Karen Chytalo, NYS DEC Thomas Rienzo, NYS DPS Michael Snyder, NYS DOS	<b>TRACK G</b> <b>Sustainable Gas Systems- Public Policies</b> <b>CHAIRPERSON:</b> Dr. Devinder Mahajan, Stony Brook University Johannes Escudero, RNG Coalition Donald Chahbazpour, National Grid Illissa Ocko, PhD, EDF Kevin Neumaier, Sustainable Dairy Technologies Dan Dessanti, Northeast Gas Assoc. Christopher Voell, US EPA
	11:30AM - 12:15PM <b>NETWORKING BREAK, VISIT EXHIBITORS - 5TH FLOOR</b>				11:30AM - 12:15PM <b>NETWORKING BREAK, VISIT EXHIBITORS - 5TH FLOOR</b>		
12:15PM Lunch Begins & Exhibit Area Will Close				12:15PM Lunch Begins & Exhibit Area Will Close			
<b>PLENARY SESSION</b> <i>6th Floor, Broadway Ballroom</i>	12:15pm - 12:20pm <b>Welcome</b> Robert B. Catell, AERTC			12:15pm - 12:20pm <b>Welcome</b> Robert B. Catell, AERTC			
	12:20pm - 12:35pm <b>Plenary Speaker</b> Alicia Barton, NYSERDA			12:20pm - 12:35pm <b>Plenary Speaker</b> Alicia Barton, NYSERDA			
	12:50pm - 1:05pm <b>Plenary Speaker</b> Dr. Esther Takeuchi, Stony Brook University			12:50pm - 1:05pm <b>Plenary Speaker</b> Dr. Esther Takeuchi, Stony Brook University			
	1:05pm - 1:20pm <b>Plenary Speaker</b> Dr. Chris Fall, Advanced Research Projects Agency-Energy (ARPA-E)			1:05pm - 1:20pm <b>Plenary Speaker</b> Dr. Chris Fall, Advanced Research Projects Agency-Energy (ARPA-E)			
	1:20pm - 1:35pm <b>Keynote Speaker</b> Danielle Merfeld, PhD, CTO, GE Renewable Energy			1:20pm - 1:35pm <b>Keynote Speaker</b> Danielle Merfeld, PhD, CTO, GE Renewable Energy			
1:35pm - 1:50pm <b>Keynote Speaker</b> Dr. Ami Appelbaum, Israel Innovation Authority			1:35pm - 1:50pm <b>Keynote Speaker</b> Dr. Ami Appelbaum, Israel Innovation Authority				
1:50PM - 2:30PM <b>NETWORKING BREAK, VISIT EXHIBITORS - 5TH FLOOR</b>				1:50PM - 2:30PM <b>NETWORKING BREAK, VISIT EXHIBITORS - 5TH FLOOR</b>			
<b>SESSION II</b> 2:30pm - 3:45pm <i>7th Floor</i>	<b>Heavy Duty Vehicle Electrification and its Impact</b> <b>CHAIRPERSON:</b> John Markowitz, NYPA Danny Iliou, MTA NYC Transit Bethany Whitaker, VEIC Baskar Vairamohan, EPRI Peter Rego, The Lion Electric Co.	<b>MicroGrids</b> <b>CHAIRPERSON:</b> Francisco Flores, NREL Andrew Scobie, The Faraday Grid Dr. Arindam Maitra, EPRI Dr. Xianyong Feng, UT-CEM Arunkumar Vedhathiri, National Grid	<b>Advanced Sensing for Smart Energy Management</b> <b>CHAIRPERSON:</b> Patrick Finch, Booz Allen Hamilton Dr. Ya Wang, Stony Brook University Dr. Michael Gouzman, Stony Brook University Daniel Rousse, Energy Solutions Air Jose Castillo, Jasmine Universe Rebecca Hughes, NYPA	<b>Challenges &amp; Successes of Solar Adoption</b> <b>CHAIRPERSON:</b> Houtan Moaveni, NYSERDA Joe White, Orange & Rockland Utilities, Inc. Daniel Spitzer, Hodgson Russ LLP Nick Baudouin, PowerMarket Garrett Nilsen, US DoE	<b>Additive Manufacturing via Functional Printing</b> <b>CHAIRPERSON:</b> Dr. Denis Cormier, Rochester Institute of Technology Arkady Malakhov, Solid Cell Sudhir Kulkarni, PBC Tech John Olenick, EnRG	<b>Developer's Round Table</b> <b>CHAIRPERSON:</b> Joe Martens, NY Offshore Wind Alliance Thomas Brostrom, Ørsted Jeffrey Grybowski, Deepwater Wind Christer af Geijerstam, Statoil Lars Thaaning Pedersen, Copenhagen Infrastructure Partners (CIP)	<b>Sustainable Gas Systems- New Business Models</b> <b>CHAIRPERSON:</b> Keith Rooney, National Grid Prof. Clive Clayton, Stony Brook University Matt Tomich, Energy Vision Sean Gleeson, Noblehurst Green Energy LLC Bill Jorgensen, Vanguard Renewables Curt Gooch, Cornell University
	3:45PM - 4:15PM <b>NETWORKING BREAK, VISIT EXHIBITORS - 5TH FLOOR</b>				3:45PM - 4:15PM <b>NETWORKING BREAK, VISIT EXHIBITORS - 5TH FLOOR</b>		
<b>SESSION III</b> 4:15pm - 5:30pm <i>7th Floor</i>	<b>Energy Implications of Autonomous Vehicles</b> <b>CHAIRPERSON:</b> Joah Sapphire, Axial + GDG Adam Jonas, Morgan Stanley Brad Rutherford, Local Motors Michael Brown, Southwest Research Institute	<b>Role of Utilities in Advancing Microgrids</b> <b>CHAIRPERSON:</b> James T. Gallagher, NYS Smart Grid Consortium Bob Loughney, Couch White LLP David Lovelady, National Grid Andre Wellington, Con Edison Don Mathew, PSEG	<b>Built Environment Cybersecurity</b> <b>CHAIRPERSON:</b> Pat Malone, Stony Brook University Ernest Schirmer, WSP USA Glen Carolo, True Access Networks Joe Klotz, Johnson Controls Wilson Lin, NYCEDC Cybersecurity Kenneth Carnes, NYPA Ignatius Grande, Berkeley Research Group	<b>Transitioning from Net Metering</b> <b>CHAIRPERSON:</b> David Sandbank, NYSERDA Sean Garren, Vote Solar Hannah Muller, Clean Energy Collective Ilan Guthertz, Borrego Solar Evan Dube, Sunrun Stephen Wemple, Con Edison	<b>Additive Manufacturing for Aerospace Applications</b> <b>CHAIRPERSON:</b> Dr. Denis Cormier, Rochester Institute of Technology Jason Jones, Moog Scott Vader, Vader Systems Michael Leach, nTopology Carl Johnson, Norsk Titanium	<b>Offshore Wind Policy Considerations in Industry &amp; Port Development</b> <b>CHAIRPERSON:</b> Dr. Kathleen Araújo, Stony Brook Univ. Bonnie Ram, University of Delaware Ross Tyler, Business Network for Offshore Wind Bruce Hamilton, Navigant Andy Geissbuehler, RRI	<b>Technology to Market</b> <b>CHAIRPERSON:</b> Chris Cavanagh, National Grid Jon Garrity, TagUp Dr. Shailesh Upreti, C4V Angelo D'Anzi, StorEn Dr. Gabriel Rodriguez-Calero, Ecoelectro Paul Mutolo, Standard Hydrogen Corp.
	5:30PM - 6:30PM <b>RECEPTION, EXHIBITS, JUDGED POSTER SESSION - 5TH FLOOR</b>				5:30PM - 6:30PM <b>RECEPTION, EXHIBITS, JUDGED POSTER SESSION - 5TH FLOOR</b>		
6:30PM <b>ADJOURNED, REGISTRANTS ARE NOW FREE TO GO OUT TO A LOCAL RESTAURANT FOR DINNER</b>				6:30PM <b>ADJOURNED, REGISTRANTS ARE NOW FREE TO GO OUT TO A LOCAL RESTAURANT FOR DINNER</b>			

**CONFERENCE AGENDA – WEDNESDAY, MARCH 28**

**CONFERENCE AGENDA – WEDNESDAY, MARCH 28**

7:30AM		<b>Registration Open</b>				7:30AM			
7:30AM		<b>Breakfast Begins in Exhibit Area - Open Networking</b>				7:30AM			
<b>PLENARY SESSION</b> <i>6th Floor, Broadway Ballroom</i>	8:00am -8:05am	<b>Opening Remarks</b> Dr. Yacov Shamash, Stony Brook University				8:00am -8:05am	<b>PLENARY SESSION</b> <i>6th Floor, Broadway Ballroom</i>		
	8:05am -8:20am	<b>Plenary Speaker</b> Casey Walsh Cady, California Department of Food and Agriculture				8:05am -8:20am			
	8:20am -8:35am	<b>Keynote Speaker</b> Hongguang Wang, PhD, Deputy Director General Chinese Academy of Science and Technology for Development, Ministry of Science and Technology				8:20am -8:35am			
	8:35am - 8:40am	<b>Closing Logistics</b> Robert B. Catell, AERTC				8:35am - 8:40am			
8:40AM - 9:15AM		<b>NETWORKING BREAK, VISIT EXHIBITORS - 5TH FLOOR</b>				8:40AM - 9:15AM			
<b>SESSION IV</b> 9:15am - 10:30am <i>7th Floor</i>	<b>TRACK A</b>	<b>TRACK B</b>	<b>TRACK C</b>	<b>TRACK D</b>	<b>TRACK E</b>	<b>TRACK F</b>	<b>TRACK G</b>		
	<b>Early Stage &amp; Growth Capital</b> CHAIRPERSON: Mark Austin, <i>Bright Capital</i> Sarah Kearney, <i>PRIME Coalition</i> John Santoleri, <i>Clean Energy Venture Group NY</i> Praveen Sahay, <i>WAVE Equity Partners</i> Rahul Bhalodia, <i>Constellation Technology Ventures</i> Bill Lese, <i>Braemar Energy Ventures</i>	<b>Advanced Distributed Simulation Tools</b> CHAIRPERSON: Jeff Smith, <i>EPRI</i> Dr. Mohammad Mojedhi, <i>O'Brien and Gere</i> Robert Broadwater, <i>EDD</i> Dave MacRae, <i>Opus One Solutions</i>	<b>Smart Buildings - Owners' Perspective</b> CHAIRPERSON: Joseph Borowiec, <i>NYSERDA</i> Jerritt Gluck, <i>Bonded Energy</i> John J. Gilbert III, <i>Rudin Management Company, Inc.</i> Luke Falk, <i>Related Management</i> Mike Reed, <i>NYSERDA</i>	<b>Meeting Peak Demand Through Energy Storage</b> CHAIRPERSON: Scott Egbert, <i>NYSERDA</i> Ravi Manghani, <i>GTM Research</i> Christian Perreault, <i>Hydro-Québec</i> Rick Cutright, <i>GE</i> John Bellacicco, <i>Stem Energy</i> Ray Hohenstein, <i>AES</i>	<b>The Digital Utility</b> CHAIRPERSON: Kaumil Dalal, <i>West Monroe Partners</i> Doug McMahon, <i>NYPA</i> Steve Sundstrom, <i>C3 IOT</i> Kevin Dick, <i>Delta Institute</i> Kristin Barbato, <i>Independent Consultant</i>	<b>Offshore Wind Workforce</b> CHAIRPERSON: Ross Gould, <i>WDI</i> Chris van Beek, <i>Deepwater Wind</i> Matt Vestal, <i>NYSERDA</i> Janice Padula, <i>Clinton Community College</i> Michael Yee, <i>Local Union 3 IBEW</i>	<b>Emerging Technologies</b> CHAIRPERSON: David South, <i>West Monroe Partners</i> Doron Brenmiller, <i>Brenmiller Energy</i> Michael Brookman, <i>BRASH Power</i> Jason Salfi, <i>Dimensional Energy</i> Dave Hershberg, <i>STS Global</i> Thomas Thundat, <i>University at Buffalo</i>		
10:30AM - 11:15AM		<b>NETWORKING BREAK, VISIT EXHIBITORS - 5TH FLOOR</b>				10:30AM - 11:15AM			
<b>SESSION V</b> 11:15am - 12:30pm <i>7th Floor</i>	<b>Raising Capital: Lessons Learned</b> CHAIRPERSON: Mark Sperry, <i>Sperry Energy</i> Dr. Gabriel Rodriguez-Calero, <i>Ecolectro</i> Andy Frank, <i>Sealed</i> Colleen Costello, <i>Vital Vio</i> Rob Anstey, <i>Graphenix Development</i>	<b>The DSO/DSP Transition</b> CHAIRPERSON: Dr. Bob Currie, <i>Smarter Grid Solutions</i> Damian Sciano, <i>Con Edison</i> Kevin Morissey, <i>Smarter Grid Solutions</i> Keith Bell, <i>University of Strathclyde</i> Simon Gill, <i>University of Strathclyde</i> Will Fisher, <i>Summit Ridge Energy</i> Michael Razanousky, <i>NYSERDA</i>	<b>Smart Buildings Solutions</b> CHAIRPERSON: Dr. Edward A. Bogucz, <i>Syracuse University</i> Terry Casey, <i>IntellaStar</i> John Petze, <i>Skyfoundry</i> Dan Leonhardt, <i>EcoSystem Energy</i> David Klatt, <i>Energy Technology Savings</i>	<b>Energy Storage Permitting Requirements</b> CHAIRPERSON: Jason Doling, <i>NYSERDA</i> Tria Case, <i>CUNY</i> Paul Rogers, <i>FDNY</i> Victoria Carey, <i>DNV GL</i>	<b>Big Data Analytics</b> CHAIRPERSON: Paul DeCotis, <i>West Monroe Partners</i> Jorge Calzada, <i>National Grid</i> Jeff Adams, <i>ICF Consulting</i> Mamoon Latif, <i>Infosys Utility Business Unit</i> Shannon Tassin, <i>Infosys Utility Business Unit</i> Alan McMorran, <i>Open Grid Systems</i>	<b>Offshore Wind Technologies to Reduce Costs</b> CHAIRPERSON: Matthew Palmer, <i>WSP</i> Dr. Jeff Freedman, <i>University at Albany</i> Mike Passaretti, <i>ULC Robotics</i> Matt Filippelli, <i>AWS Truepower</i> Kevin Pearce, <i>Siemens</i>	<b>Heat Pumps: Utilities, Emerging Business Models and Enabling R&amp;D</b> CHAIRPERSON: Donovan Gordon, <i>NYSERDA</i> Bob Wyman, <i>Independent Consultant</i> Jens Ponikau, <i>GroundUp</i> Chong "John" Lin, <i>National Grid</i> Margarett Jolly, <i>Con Edison</i> Jean-Philippe Drouin, <i>Ecosystem</i>		
	12:30PM - 1:00PM		<b>NETWORKING BREAK, VISIT EXHIBITORS - 5TH FLOOR</b>				12:30PM - 1:00PM		
1:00PM		<b>Lunch Begins &amp; Exhibit Area Will Close</b>				1:00PM			
<b>PLENARY SESSION</b> <i>6th Floor, Broadway Ballroom</i>	1:00pm -1:05pm	<b>Welcome</b> Samuel L. Stanley Jr., MD, President, Stony Brook University				1:00pm -1:05pm	<b>PLENARY SESSION</b> <i>6th Floor, Broadway Ballroom</i>		
	1:05pm -1:15pm	<b>Opening Remarks</b> Chancellor Kristina M. Johnson, PhD, The State University of New York				1:05pm -1:15pm			
	1:15pm -1:35pm	<b>Fireside Chat</b> John Rhodes, Chair, New York State Department of Public Service Katherine Hamilton, Chair, 38 North Solutions				1:15pm -1:35pm			
	1:55pm -2:45pm	<b>Keynote Panel of Utilities</b> Tim Cawley, Con Edison • Kenneth D. Daly, National Grid Steve Demers, Hydro-Québec International • Dan Eichhorn, PSEG-LI Peter Oleksiak, DTE Energy				1:55pm -2:45pm			
	2:45pm -3:00pm	<b>Plenary Speaker</b> Dr. Thierry Godart, Intel Corporation				2:45pm -3:00pm			
	3:00pm -3:15pm	<b>Keynote Speaker</b> Pierre Moreau, Minister of Energy and Natural Resources, Québec				3:00pm -3:15pm			
	3:15pm -3:30pm	<b>Keynote Speaker</b> Brad Gammons, Global Managing Director, IBM Energy, Environment and Utilities Industry				3:15pm -3:30pm			
3:30pm - 3:35pm	<b>Closing Remarks</b> Robert B. Catell, AERTC				3:30pm - 3:35pm				
3:35PM - 4:00PM		<b>NETWORKING BREAK, VISIT EXHIBITORS - 5TH FLOOR</b>				3:35PM - 4:00PM			
4:00PM		<b>CONFERENCE ADJOURNED</b>				4:00PM			