

# Carnegie Mellon University energyweek

April 4-6, 2018

## Tuesday, April 3 (Day 0)

Time	Event	Panelists/Speakers/Notes	Location
11am–5pm		Registration OPEN	Rangos Hallway, Jared L. Cohon University Center (CUC)
11am–12pm	Field Trip	Walking tour of Scott Hall, LEED Gold Certified building and Nanotechnology Laboratory	Meet in CUC by <i>CMU Energy Week 2018</i> Registration at 11am
12–2pm	Reception	Corporate Recruiter Welcome & Reception	McKenna, Peter, Wright Rooms, CUC
2–5pm	Career Fair	Energy Industry Career Fair	Rangos 1, 2 and 3, CUC

## Wednesday, April 4 (Day 1)

Time	Event	Panelists/Speakers/Notes	Location
8am–8pm		Registration OPEN	Rangos Hallway, CUC
10–11am	CMU Energy Week 2018, Day One Kickoff and Welcome	<ul style="list-style-type: none"> <li>• <b>Jay Whitacre</b>, Director, The Wilton E. Scott Institute for Energy Innovation, Carnegie Mellon University</li> <li>• <b>Farnam Jahanian</b>, President, Carnegie Mellon University</li> <li>• <b>Mike Doyle</b>, Member of Congress, U.S. House of Representatives (PA-14)</li> <li>• <b>Conor Lamb</b>, Congressman-elect, U.S. House of Representatives (PA-18)</li> <li>• <b>Rich Fitzgerald</b>, County Executive, County of Allegheny</li> <li>• <b>Erika Staaf Strassburger</b>, Councilwoman, Pittsburgh City Council District 8</li> <li>• <b>Anna J. Siefken</b>, Associate Director for Innovation &amp; Strategic Partnerships, The Wilton E. Scott Institute for Energy Innovation, Carnegie Mellon University</li> </ul>	Rangos Ballroom 1 & 2
11–11:30am	Keynote	<ul style="list-style-type: none"> <li>• <b>Andrew Moore</b>, Dean, School of Computer Science, Carnegie Mellon University</li> </ul> <p><i>Introduction by Jay Whitacre, Director, The Wilton E. Scott Institute for Energy Innovation, Carnegie Mellon University</i></p>	Rangos Ballroom 1 & 2
11:30am–12pm	Keynote	<ul style="list-style-type: none"> <li>• <b>Anne Pramaggiore</b>, CEO and President, ComEd</li> </ul> <p><i>Introduction by Laurie Weingart, Interim Provost, Carnegie Mellon University</i></p>	Rangos Ballroom 1 & 2
12–12:45pm		Lunch	Rangos 3
12:45–1:30 pm	<b>Panel:</b>	<ul style="list-style-type: none"> <li>• <b>Steve Guenther</b>, Director of Facilities Operations, Carnegie Mellon University (<u>moderator</u>)</li> </ul>	Rangos Ballroom 1 & 2

	<i>Driving the Built Environment to Higher Performance with Energy Efficient Technologies and Innovation</i>	<ul style="list-style-type: none"> <li>• <b>Michael Barnard</b>, Project Director, Oxford Development Company</li> <li>• <b>Scott Bernotas</b>, Associate Vice Chancellor Facilities Management, University of Pittsburgh</li> <li>• <b>David Kang, PE, CEM</b>, Vice Chancellor for Infrastructure and Sustainability, University of Colorado - Boulder</li> <li>• <b>Aurora Sharrard</b>, Executive Director, Green Building Alliance</li> </ul>	
1:30 – 2:15 pm	<b>Panel:</b> <i>Managing Energy and Water Infrastructure Systems</i>	<ul style="list-style-type: none"> <li>• <b>Peter Fiske</b>, Director, Water-Energy Resilience Research Institute, Lawrence Berkeley National Laboratory (<u>moderator</u>)</li> <li>• <b>Venkee Sharma</b>, President and CEO, Aquatech</li> <li>• <b>Herve Buisson</b>, Vice President – Process Engineering, VEOLIA WATER – Solutions and Technologies</li> <li>• <b>Meagan Mauter</b>, Associate Professor, Civil and Environmental Engineering and Engineering &amp; Public Policy, Carnegie Mellon University</li> </ul>	Rangos Ballroom 1 & 2
2:15 – 3 pm	<b>Panel:</b> <i>Smart Cities: Transportation Infrastructure, Electrification, and the Autonomous, Sharing Economy</i>  <i>Introductions by Jacob Ward</i>	<ul style="list-style-type: none"> <li>• <b>Costa Samaras</b>, Assistant Professor of Civil and Environmental Engineering, Carnegie Mellon University (<u>Moderator</u>)</li> <li>• <b>Joe DeMatteo</b>, Director of Business Development, Duquesne Light Company</li> <li>• <b>Darren Epps</b>, Product Development Specialist, Southern Company</li> <li>• <b>Sarah Oleksak</b>, Energy Efficient Mobility Systems Manager, U.S. Department of Energy (DOE)</li> <li>• <b>Karina Ricks</b>, Director, City of Pittsburgh Department of Mobility and Infrastructure</li> <li>• <b>Shari Shapiro</b>, Senior Manager of Public Affairs, Pennsylvania and Delaware Uber</li> </ul>	Rangos Ballroom 1 & 2
3-3:30 pm		Afternoon Break	Rangos 3
3:30 – 4:15 pm	<b>Panel:</b> <i>Public Private Partnerships: Activating City, Utility, and University Engagement to Maximize Smart Data</i>  <i>Introductions by Anna J. Siefken</i>	<ul style="list-style-type: none"> <li>• <b>Grant Ervin</b>, Chief Resilience Officer and Assistant Director for the Department of City Planning, City of Pittsburgh (<u>Moderator</u>)</li> <li>• <b>Jason Anderson</b>, President &amp; CEO, Cleantech San Diego</li> <li>• <b>Philip Mezey</b>, President &amp; CEO, Itron</li> <li>• <b>David K. Owens</b>, Retired Executive Vice President, Edison Electric Institute</li> <li>• <b>Anne Pramaggiore</b>, CEO &amp; President, ComEd</li> <li>• <b>Rich Riazzi</b>, President &amp; CEO, Duquesne Light Company</li> </ul>	Rangos Ballroom 1 & 2
4:15 – 5pm	<b>Panel:</b> <i>Leveraging Distributed Energy Resources, Microgrids, and Storage for City Resilience</i>  <i>Introductions by Katrina Kelly</i>	<ul style="list-style-type: none"> <li>• <b>Jay Apt</b>, Professor, Carnegie Mellon University (<u>Moderator</u>)</li> <li>• <b>Ronald Gdovic</b>, Founder, WindStax Wind Power Systems</li> <li>• <b>Benjamin Buxton Morris</b>, Director, Operations Work Management &amp; Performance, Duquesne Light Company</li> <li>• <b>Chris Murray</b>, Senior Business Development Manager, WGL Energy</li> <li>• <b>Lidija Sekaric</b>, Director of Strategy and Marketing, Siemens</li> <li>• <b>Uroš Simović</b>, Senior Consultant, West Monroe Partners</li> <li>• <b>Ramya Winstead</b>, Development Engineering Manager, NRG Energy</li> </ul>	Rangos Ballroom 1 & 2
5 – 6 pm	Keynote	<ul style="list-style-type: none"> <li>• <b>Don Anderson</b>, Operating Partner and Chief Sustainability Officer, Private Equity Group, The Blackstone Group – <i>“Sustainability: Myth, Madness, and Magic”</i></li> </ul>	Rangos Ballroom 1 & 2

		<i>Introduction by <b>Vivian Loftness</b>, FAIA, Professor of Architecture, Carnegie Mellon University</i>	
6 – 7:30 pm		VIP Industry Reception, <i>by invitation</i>	Rangos Ballroom 3
7:30 – 8:30 pm	<b>Distinguished Mayors Forum:</b> <i>Energy &amp; Resilience: How Smarter Cities are Preparing for the Future</i>	<ul style="list-style-type: none"> <li>• <b>Laurie Weingart</b>, Interim Provost, Carnegie Mellon University (<u>Moderator</u>)</li> <li>• <b>Rich Fitzgerald</b>, County Executive, County of Allegheny</li> <li>• <b>Carmen Yulín Cruz</b>, Mayor San Juan, Puerto Rico</li> <li>• <b>William Peduto</b>, Mayor, City of Pittsburgh</li> </ul>	Rangos Ballroom 1 & 2

**Thursday, April 5 (Day 2)**

Time	Event	Panelists/Speakers/Notes	Location
8am – 5 pm		Registration OPEN	Hallways outside Rangos Ballroom, Jared L. Cohon University Center (CUC)
8–10am	Corporate and Industry Networking Breakfast	<b>Announcements and Remarks</b> for this session include <b>Paul Browning</b> , President and CEO of Mitsubishi Hitachi Power Systems Americas, Inc.	Danforth Conference Room, CUC
8:30 – 10 am		CMU Energy + Cleantech Investor Forum, <i>by invitation</i>	Rangos 1 & 2
8:30 – 10:30 am		CMU Energy + Cleantech Startup Fair	McKenna, Peter and Wright Rooms, CUC
9:30 – 10:30 am		CMU Faculty SEED Funding Showcase	Activities Room, CUC
10:30 – 10:45 am	Day Two Kickoff and Welcome, Announcements	<b>Anna J. Siefken</b> , Associate Director for Innovation & Strategic Partnerships, The Wilton E. Scott Institute for Energy Innovation, Carnegie Mellon University	Rangos 1 & 2
10:45 – 11:30 am	<b>Panel:</b> <i>Why Pittsburgh? The Ecosystem for Energy Innovation and Entrepreneurship</i>  <i>Introductions by Tracy Certo</i>	<ul style="list-style-type: none"> <li>• <b>Don Morrison</b>, Chairman of Deal Flow, Blue Tree Allied Angels (<u>Moderator</u>)</li> <li>• <b>Will Allen</b>, Managing Partner, Nascent Group Holdings</li> <li>• <b>Carly Dobbins-Bucklad</b>, Senior Policy Analyst, Allegheny Conference on Community Development</li> <li>• <b>Currie Crookston</b>, Head of Innovation Management, Covestro</li> <li>• <b>Jeffrey McDaniel</b>, Executive in Residence, Innovation Works</li> <li>• <b>Audrey Russo</b>, President and CEO, Pittsburgh Technology Council</li> </ul>	Rangos 1 & 2
11:30 – 12:15 pm	Keynote	<ul style="list-style-type: none"> <li>• <b>David Danielson</b>, Managing Director for Science, Breakthrough Energy Ventures (BEV) – “Energy Investing”</li> </ul> <i>Introduction by <b>Jay Whitacre</b>, Director, The Wilton E. Scott Institute for Energy Innovation, Carnegie Mellon University</i>	Rangos 1 & 2
12:15- 1pm		Lunch	

1 – 1:45 pm	<b>Panel:</b> <i>Next Generation Research in Battery Technologies</i>  <i>Introductions by</i> <b>Matthew Maroon</b>	<ul style="list-style-type: none"> <li>• <b>Jay Whitacre</b>, Director, The Wilton E. Scott Institute for Energy Innovation, Carnegie Mellon University (<b>Moderator</b>)</li> <li>• <b>James Fleetwood</b>, Research Director, Battery innovation Center</li> <li>• <b>Eli Leland</b>, Co-Founder and Chief Product Officer, Voltaiq, Inc.</li> <li>• <b>Venkat Viswanathan</b>, Assistant Professor of Mechanical, Chemical Engineering and Materials Science &amp; Engineering, Carnegie Mellon University</li> <li>• <b>Ted Wiley</b>, Co-Founder + CEO, Form Energy</li> </ul>	Rangos 1 & 2
1:45 – 2:30 pm	<b>Panel:</b> <i>Insights and Innovations in Natural Gas &amp; Traditional Fuels</i>	<ul style="list-style-type: none"> <li>• <b>Jared L. Cohon</b>, President Emeritus and University Professor, Civil and Environmental Engineering and Engineering &amp; Public Policy, The Wilton E. Scott Institute for Energy Innovation Director Emeritus, Carnegie Mellon University (<b>Moderator</b>)</li> <li>• <b>Morgan O'Brien</b>, President and Chief Executive Officer, Peoples Natural Gas Company LLC</li> <li>• <b>William Getty</b>, President, Claude Worthington Benedum Foundation</li> <li>• <b>Michael Marr</b>, Business Innovation Lead, Shell Pennsylvania Chemicals</li> <li>• <b>Stacey Olson</b>, President, Chevron Appalachia, LLC</li> <li>• <b>David Ruppertsberger</b>, President, Pittsburgh Regional Alliance</li> </ul>	Rangos 1 & 2
2:30 – 3:30 pm	<b>Panel:</b> <i>The Investors' Perspective: Trends and Insights in Energy Innovation</i>	<ul style="list-style-type: none"> <li>• <b>Bruce Gebhardt</b>, Partner, Pathfinder Capital Advisors LLC (<b>Moderator</b>)</li> <li>• <b>Erik Birkerts</b>, Chief Executive Officer, Clean Energy Trust</li> <li>• <b>Matt Myers</b>, Vice President, EARTHx</li> <li>• <b>Marty Reed</b>, Chief Executive Officer, Evok Innovations</li> <li>• <b>Johanna Wolfson</b>, Principal, PRIME Impact Fund</li> <li>• <b>Beth Zotter</b>, Program Team, Cyclotron Road</li> </ul>	Rangos 1 & 2
3:30 – 4 pm		Afternoon Break	Rangos 3
4:00 – 4:30 pm	Energy-Themed Dramatic Monologue Competition	CMU Drama Student Finalist presentations	Rangos 1 & 2
4:30 – 5 pm	Keynote	<ul style="list-style-type: none"> <li>• <b>Randall Gentry</b>, National Energy Technology Laboratory (NETL) Deputy Director, Science and Technology Strategic Plans and Programs, Research Innovation Center</li> </ul> <p><i>Introduction by</i> <b>Andrew Gellman</b>, Co-Director, The Wilton E. Scott Institute for Energy Innovation, Carnegie Mellon University</p>	Rangos 1 & 2
5 – 6 pm	Keynote	<ul style="list-style-type: none"> <li>• <b>Alex Laskey</b>, President and Founder, Opower - “Entrepreneurship in Energy – A Fireside Chat”</li> </ul> <p><i>Moderated by</i> <b>Dave Mawhinney</b>, Executive Director, Swartz Center for Entrepreneurship, Carnegie Mellon University</p>	Rangos 1 & 2
6 – 8 pm	Reception	CMU Scott Hall LEED Recognition and Celebration Reception	Marquis Conference Room, Scott Hall 5201
6 – 9 pm	Showcase	CMU Sustainability Weekend Opening Showcase on Inclusive Sustainability	The Frame Gallery

**Friday, April 6 (Day 3)**

Time	Event	Panelists/Speakers	Location
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8–5pm		Registration OPEN	Rangos Hallway, Cohon University Center
10–10:30 am	Day Three Welcome and Kickoff  Keynote	<ul style="list-style-type: none"> <li>• <b>Andrew Place</b>, Vice Chairman, Pennsylvania Public Utilities Commission</li> </ul> <i>Introduction by Alexander Pazuchanics, Assistant Director, Mobility and Infrastructure, City of Pittsburgh</i>	Rangos 1 & 2
10:30– 11:15 am	<b>Panel:</b> <i>The Imperative of Energy Humanities – Where Energy, Engineering and Arts Intersect</i>	<ul style="list-style-type: none"> <li>• <b>Kathy Newman</b>, Associate Professor of English, Carnegie Mellon University (<u>Moderator</u>)</li> <li>• <b>Jacob Goessling</b>, PhD Candidate, Carnegie Mellon University</li> <li>• <b>Abigail Owen</b>, Director of Education, Steinbrenner Institute for Environmental Education &amp; Research</li> <li>• <b>Noah Theriault</b>, Assistant Professor of Anthropology, CMU Department of History</li> </ul>	Rangos 1 & 2
11:15 – 11:45 am		Lunch	Rangos 1 & 2
11:45- 12:30 pm	Keynote	<ul style="list-style-type: none"> <li>• <b>Chris White</b>, CEO, Philips Lighting</li> </ul> <i>Moderated by Christine Mondor, evolveEA, CMU Adjunct Faculty, Chair, Planning Commission, City of Pittsburgh</i>	
12:30 – 1 pm	<b>Allegheny Cleantech University Prize (UP) Collegiate Competition Kickoff &amp; 1-minute pitches</b>	<i>Moderated by Chanette Armstrong, Director, Office of Technology Transitions, U.S. Department of Energy</i>	Rangos 1 & 2
1:30- 2:30 pm	Lecture	<ul style="list-style-type: none"> <li>• CMU student-only lecture and meet-and-greet with Mayor Carmen Yulin Cruz, limited seating.</li> </ul>	Hamburg Hall, 1002
1:30 – 3:30 pm	Field Trips	<ul style="list-style-type: none"> <li>Field Trip to Hazelwood Green</li> <li>Walking Field Trip to CMU’s Tepper Quad (<i>non-student tour</i>)</li> <li>Field Trip to the Hilltop Urban Farm</li> <li>Walking Field Trip to Scott Hall, LEED Gold Certified Building and Nanotechnology Laboratory</li> </ul>	Meet at the CMU Energy Week 2018 Registration Desk
3:30 – 5 pm	CMU Research Poster and Multimedia Competition	<b>CMU students and postdoctoral researchers</b> – Poster presentations on battery technologies, fuel cells, manufacturing + more	Activities Room & Rangos 3, Cohon University Center
5 – 5:30 pm	10-minute Final Pitches from <b>Allegheny Cleantech University Prize (UP) Teams</b>	<i>Moderated by Chanette Armstrong, Director, Office of Technology Transitions, U.S. Department of Energy</i>	Rangos 1 & 2
5:30 – 6 pm	<b>Allegheny Cleantech University Prize (UP) &amp; Student Poster Competition Winners Announcement</b>		
6-7 pm	Keynote <i>in partnership with Sustainability Weekend</i>	<ul style="list-style-type: none"> <li>• <b>Balaji Ganapathy</b>, Head – Workforce Effectiveness, Tata Consultancy Services – Workforce – “Energy, Equity, Inclusivity and Sustainability.”</li> </ul>	Rangos 1 & 2
7 – 8 pm		Evening Reception and Final Event Celebration	Rangos 3