



# Industry Conference & NSF/DOE Annual Site Visit

**November 5-7, 2019**

PRE-CONFERENCE EVENT

*Monday, November 4, 2019*

Downtown Hilton, 501 W. Church Ave., Knoxville, TN 37902

6:00 -9:00      **Industry Reception** (informal event for industry/SAB guests) (Ocoee)

INDUSTRY CONFERENCE

*Tuesday, November 5, 2019*

Downtown Hilton, Knoxville, TN

7:00-8:00	Registration and Breakfast (Mezzanine, Salons D & E, overflow in Sequoyah 3)
8:00-8:15	<b>Opening &amp; Welcome</b> - Kevin Tomsovic, Center Director (Salons A, B & C)
8:15-12:00	<b>Invited Speakers Presentations</b>
8:15-8:45	Gilbert Bindewald, Director of Grid Communications and Control, Office of Electricity, U.S. Department of Energy - <i>DOE Grid Research in Transmission</i>
8:45-9:15	Burak Ozpineci, Group Leader – Power Electronics and Electric Machinery, ORNL - <i>Charging Electric Vehicles</i>
9:15-9:45	Hao Huang, Technology Chief, GE Aviation – <i>New Roadmap, New Challenges, New Aviation Era</i>
9:45-10:00	Break
10:00-10:30	Emanuel Bernadeau, Director Applied Innovation & Analytics, PJM – <i>3 Things You Need to Know About Electricity Markets</i>
10:30-11:00	Nick Miller, Principal, HickoryLedge LLC – <i>Power System Operation in a Near Zero Carbon Grid</i>
11:00-11:30	Jiuping Pan, Senior Principal Scientist, ABB – <i>Grid Enhancement and Modernization with HVDC Transmission Technologies</i>
11:30-12:00	Said Sidiqi, Senior Program Manager, TVA – <i>Diversity and Inclusion at TVA</i>
12:00–1:00	Lunch (Salons D & E, and Sequoyah 3)
1:00-2:00	<b>Student – Industry Mixer</b> (Smoky)
2:00–2:15	Move to Min H. Kao (MHK) - walk or ride the shuttles (drop off in on 1 <sup>st</sup> floor of MHK)
2:15–5:00	<b>Student Poster Session</b> (MHK) Poster session/lab tour will start in MHK101 and MHK 124 with Hardware Testbed and Large-Scale Testbed demos (approx. 30 minutes)
5:00–5:30	Break (Shuttles will return industry to hotel at 5:00, meet outside 1 <sup>st</sup> floor entrance)

5:30–9:00	<b>Student Orientation and Pizza Dinner</b> (MHK 647)
6:30-9:00	<b>Industry / SAB / Faculty Dinner &amp; Meeting</b> (Hiwassee)
4:00 on	<b>Site Visit Team (SVT) airport pick up and check-in to Hilton</b> (Vans pick SVT up)
6:00-10:00	<b>SVT Working Dinner and Discussion</b> (Boardroom)
9:00– later	<b>SLC Sponsored Event</b> (To be determined)

NSF-DOE SITE VISIT: DAY ONE  
*Wednesday, November 6, 2019*  
Downtown Hilton, Knoxville, TN  
All sessions – 60% presentation /40% Q&A

7:00-8:00	Registration and Breakfast (Salons D & E, overflow in Sequoyah 3)		
8:00-8:20	<b>Welcome</b> – Kevin Tomsovic, <i>Center Director</i> ; Paige Williford, <i>Student Chair</i> ; Deans' Introduction; SVT Introduction (Salons A, B & C)		
8:15-8:45	<b>CURRENT Overview</b> - Kevin Tomsovic, <i>Center Director</i>		
8:45-11:00	<b>Research Thrust Overviews</b>		
8:45-9:30	Monitoring and Modeling Thrust Overviews –Yilu Liu, <i>Deputy Director &amp; Thrust Leader</i> & Ali Abur, <i>NEU Campus Director &amp; Thrust Leader</i>		
9:30-10:15	Control and Actuation Thrust Overviews – Joe Chow, <i>RPI Campus Director &amp; Thrust Leader</i> & Fred Wang, <i>Technical Director and Thrust Leader</i>		
10:15–10:30	Break		
10:30-11:00	CURRENT Engineered Systems Overview – Leon Tolbert and Fran Li, <i>Thrust Leaders</i>		
11:00-11:45	<b>Site Visit Team Private Session</b> (Boardroom)	<b>Industry Feedback Session</b> (Salons A, B & C)	<b>Deans' Meeting</b> (Sequoyah 1)
11:45 – 12:45	Lunch (Salons D & E, overflow in Sequoyah 3)		
12:45 – 1:15	<b>Culture of Inclusion and Diversity</b> – Daniel Costinett, <i>Co-Director of Education and Diversity</i>		
1:15 – 1:45	<b>Innovation and Industry Collaboration Program Overview</b> – Lisa Beard, <i>Industry Liaison Officer</i>		
1:45 – 2:15	<b>SVT Private Session with Industry</b>		
2:15 – 2:45	<b>Education and Outreach Program Overview</b> Anne Skutnik, <i>Education and Outreach Coordinator</i>		
2:45 – 3:15	<b>Assessment, Infrastructure and Sustainability</b> - Kevin Tomsovic, <i>Center Director</i>		
3:15 – 3:30	Move to Min H. Kao (MHK) - walk or ride the shuttles (drop off at 1 <sup>st</sup> floor of MHK)		
3:30 – 4:45	<b>Lab Tour &amp; Poster Session</b> (MHK) Poster session/lab tour will start in MHK101 and MHK 124 with Hardware Testbed and Large-Scale Testbed demos (approx. 30 minutes)		
4:45 – 5:45	<b>SVT Private Session with Students</b> (MHK 404)		

5:45 – 6:15	<b>Summary Q &amp; A – Faculty and SVT (MHK435)</b>
6:15 – 6:45	<b>SVT Executive Session (MHK 435)</b>
6:45 – 7:00	<b>SVT Issues/Questions Presentation to ERC Team (MHK 435, shuttles return SVT to hotel)</b>
7:30–10:00	<b>Student Awards Dinner (UT Conference Center)</b>
7:30-10:00	<b>SVT Working Dinner and Discussion (Boardroom)</b>

NSF-DOE SITE VISIT: DAY TWO

*Thursday, November 7, 2019*

Downtown Hilton, Knoxville, TN

All sessions – 60% presentation /40% Q&A

7:45-8:30	<b>SVT/University Officials’ Breakfast</b> (Salons A & B)	<b>Faculty Breakfast</b> (Sequoyah 3)
8:30-9:00	<b>SVT/University Officials’ Meeting</b> (Salons A & B)	
9:00-10:00	<b>ERC Responses to Issues/Questions Session</b> (SVT and CURENT Faculty, Salons A & B)	
9:00-5:00	<b>SVT Report Writing</b> (Boardroom)	
5:00	<b>SVT Departure</b> (vans transport SVT to airport)	