2019 IEEE PES Transactive Energy Systems Conference (TESC) Agenda

Day	time	Track/Panel #		
Tues Jul 9	**7:30a-5:00p**		**TESC19 Registration**	
	8:00a-10:00a		**Plenary Session - Johnson Great room**	**Welcome & Opening remarks: Mostafa Kaveh, U MN, Matthew Schuerger, MN PUC and David Forfia, GWAC Chair; Keynote Speaker Nick Wagner, NARUC; GWAC Foundational Session Panel - TE Framework**
Tues Jul 9	**10:00a-10:30a**	**Memorial Hall**	**Networking Break**	
Tues. July 9		**Track 1: Regulatory & Policy**	**Moderator: Chris Villarreal**	**Location: Johnson Great Room**
Tues Jul 9	10:30am - 12:00pm	TESC19-009	Larisa Dobriansky, Dobriansky Consultancy/General Microgrids	Regulatory Accelerators for Building Transactive Energy Markets
Tues. July 9	10:30am - 12:00pm	TESC19-018	Mark Knight, Burns & McDonnell	Readiness of Policy for TES
Tues. July 9	10:30am - 12:00pm	TESC19-030	Farrokh Rahimi, OATI	Transactive Energy Operations Cost-Benefit Alignment
Tues. July 9		**Track 3: System Design & Architecture**	**Moderator: Ron Ambrosio**	**Location: Thomas Swain Room**
Tues Jul 9	10:30am - 12:00pm	TESC19-008	Paul De Martini, Newport Consulting	Transactive Oriented Grid Architecture
Tues. July 9	10:30am - 12:00pm	TESC19-010	Don Hammerstrom, PNNL	A Transactive Network Template for Decentralized TE Systems
Tues. July 9	10:30am - 12:00pm	TESC19-016	David Holmberg, NIST	A Simple Market Plus controls Approach for Distribution Grid Voltage
Tues. July 9	10:30am - 12:00pm	TESC19-028	Kash Nodehi, OATI	Advanced Io-T Based Metering Infrastructure to Support Transactive Energy Exchanges
Tues Jul 9	**12:00pm-1:00pm**		**Lunch Break**	**participants on own for lunch**
Tues. July 9	**1:00pm - 2:00pm**	**Workshop 1: Regulatory & Policy**	**Faciliatators: Leonard Tillman and Chris Villarreal**	**Location: Johnson Great Room**
Tues. July 9	**1:00pm - 2:00pm**	**Workshop 3: System Design & Architecture**	**Faciliatator: Ron Ambrosio**	**Location: Thomas Swain Room**
Tues Jul 9	**2:00p-2:30p**	**Memorial Hall**	**Networking Break**	
Tues Jul 9	**2:30pm-4:00pm**	**Track 2: Business Models & Value Realization**	**Moderator: Farrokh Rahimi**	**Location: Johnson Great Room**
Tues Jul 9	2:30pm-4:00pm	TESC19-002	Nayeem Mohammad Abdullah, Com Ed	Establishing the Value of DER to the Grid

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Tues Jul 9	2:30pm-4:00pm	TESC19-005	Rahul Bahadur, VM Ware	Economic, Reliability and Resilience Considerations for TE Systems
Tues Jul 9	2:30pm-4:00pm	TESC19-017	Lynne Kiesling, Carnegie Mellon University	From Airbnb to Solar: Toward a Transaction cost model of a Retail Electricity Dist Platform
Tues Jul 9	2:30pm-4:00pm	TESC19-025	Stuart McCafferty, Black & Veatch	Distribution System Operator Models for Utility Stakeholders – DSO Organizational Models for a Digital, Distributed Modern Grid
Tues Jul 9	**2:30pm - 4:00pm**	**Track 4: Physical & Cyber Technology & Infrastructure**	**Moderator: Ron Bernstein**	**Thomas Swain Room**
Tues Jul 9	2:30pm-4:00pm	TESC19-031	Alan Ransil, MIT, Protocol Labs	A Computable Multilayer Systems Tack for Future-Proof Interoperability
Tues Jul 9	2:30pm-4:00pm	TESC19-034	Ken Wacks, Home, Building & Utility systems	Cybersecurity and Energy Management Standards for TE
Tues Jul 9	2:30pm-4:00pm	TESC19-038	Umit Cali, UNCC	Transactive Energy Blockchain for Use Cases Segmentation and Standardization Framework
Tues Jul 9	**4:00pm - 5:00pm**	**Workshop 2: Business Models & Value Realization**	**Faciliatator: David Forfia**	**Location: Johnson Great Room**
Tues Jul 9	**4:00pm - 5:00pm**	**Workshop 4: Physical & Cyber Technology & Infrastructure**	**Faciliatator: Ron Bernstein**	**Location: Thomas Swain Room**
Tues Jul 9	**5:00p-7:00p**		**TESC19 Reception/Networking -Memorial Hall**	
Wednesday July 10				
	7:30a-12:00p	Registration		
Day 2 Plenary		Location: Johnson Great Room		
	8:00a-10:00a	Opening Remarks by David Forfia, GWAC Chair; Ellen Anderson, U MN Panel "A Framework for What Future?"; Keynote talk by Mark Paterson, Horizon Power, Western Australia		
Wed Jul 10	**10:00am - 10:30am**	**Memorial hall**		**Networking Break**
Wed. July 10	**10:30am - 11:30am**	**Papers Plenary Session moderated by Farrokh Rahimi**		**Johnson Great Room**
Wed. July 10	**11:30a-12:30p**	**Lunch Break**		**participants on own for lunch**
Wed. July 10	**12:30pm - 2:00pm**	**Track 5: Resilience**	**Moderator: Farrokh Rahimi**	**Location: Johnson Great Room**

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Wed Jul 10	12:30pm - 2:00pm	TESC19-006	Bishnu Bhattarai, PNNL	Transactive Energy Systems for Contingencies
Wed Jul 10	12:30pm - 2:00pm	TESC19-021	Teja Kuruganit, ORNL	Improving Distribution system Resilience using Responsive Loads
Wed Jul 10	12:30pm - 2:00pm	TESC19-033	Ebrahim Vaahedi, OATI	Transactive Microgrids: Creating Resilience and Economic Benefits
Wed Jul 10	12:30pm - 2:00pm	TESC19-022	Michael Starke, ORNL	Agent Based Framework for Supporting Transactive Power Electronic Systems
Wed Jul 10	**12:30pm - 2:00pm**	**Track 6: Visions for Participation**	**Moderator: Tanya Barham**	**Location: Thomas Swain Room**
Wed Jul 10	12:30pm - 2:00pm	TESC19-004	Farrokh Albuyeh, OATI	The Case for Distribution Tagging and Congestion Management in Support of Transactive Energy
Wed Jul 10	12:30pm - 2:00pm	TESC19-015	David Holmberg, NIST	Analysis of Residential DER Potential for Grid Service Provision
Wed Jul 10	12:30pm - 2:00pm	TESC19-027	Tom McDermott, PNNL	Commercial Buildings in Transactive System Simulations
Wed Jul 10	**2:00pm**	**Memorial hall**		**Networking Break**
Wed Jul 10	**2:30pm - 3:30pm**	**Workshop 5: Resilience**	**Facilitator: David Forfia, Ron Melton**	**Location: Johnson Great Room**
Wed Jul 10	**2:30pm - 3:30pm**	**Workshop 6: Visions for Participation**	**Facilitators: Tanya Barham & Lorenzo Kristov**	**Location: Thomas Swain Room**
Wed Jul 10	**3:30pm-5:00pm**	**Track 7: Business Models & Value Realizaton (Track II)**	**Moderator: Chris Villarreal**	**Location: Johnson Great Room**
Wed Jul 10	3:30pm-5:00pm	TESC19-035	Steve Widergren, PNNL	A Standard Transactive Contract
Wed Jul 10	3:30pm-5:00pm	TESC19-013	David Haynes, Aclara	A First Pass at TE Requirements
Wed Jul 10	**3:30pm-5:00pm**	**Track 8: System Design &**	**David Forfia**	**Location: Thomas Swain Room**
Wed Jul 10	3:30pm-5:00pm	TESC19-029	Rob Pratt, PNNL	Test Bench for Transactive Distribution System Operators in Wholesale and Retail Capacity and Day-Ahead and Real-Time Energy Markets
Wed Jul 10	3:30pm-5:00pm	TESC19-019	David Holmberg, NIST	Where Does an ESI Fit into a TE Conceptual Model?
Wed Jul 10	3:30pm-5:00pm	TESC19-026	Tom McDermott, PNNL	Architectural Options for Transactive Software Agents in a Simulation with Communication Systems
Wed Jul 10	**5:00pm-6:30p**		**OATI Microgrids Center Tour (must be pre-registered)**	