



**UI-ASSIST India and US Student  
Update Workshop**

February 28-March 3, 2022

Five Sessions

Session #1 -- Themes #3 and #6 (part 1): Storage and DSO Functions/Energy Management										
First	Last	University	Title	Theme	Keywords	US Date	US Pacific	India Date	IST	
						2/28/2022 19:30-21:35 PT				3/1/2022
						9:00-11:05 IST	<a href="#">Common Teams Link - Click here to join the meeting.</a>			
Rabab	Haider	MIT	Flattening the Duck Curve: A case for distributed decision making	6	distributed optimization, storage, grid services, unbalanced power flow	2/28/2022	19:30-19:55	3/1/2022	9:00-9:25	
Arun Kumar	Karngala	Texas A&M	Reliability Assessment framework for the evolving distribution system	6	Reliability assessment, Energy storage, Distributed energy resources	2/28/2022	19:55-20:20	3/1/2022	9:25-9:50	
Srayashi	Konar	WSU	Look-Ahead Corrective Restoration for Microgrids with Flexible Boundary	6	Networked MGS, centralized MPC, network partitioning, ESS, smart grid.	2/28/2022	20:20-20:45	3/1/2022	9:50-10:15	
Viresh	Patel	IIT-K	Optimal Planning of Energy Storage System in a PV Integrated Semi-Urban Microgrid Pilot	3	Energy storage placement and sizing using practical constraint	2/28/2022	20:45-21:10	3/1/2022	10:15-10:40	
Piyush	Sharma	IIT-K	Aggregate Flexibility Curves for Active Distribution Networks	6	Flexibility curves, Sequential Unconstrained Optimization, Continuation Optimal Power Flow	2/28/2022	21:10-21:35	3/1/2022	10:40-11:05	

Session #2 - Theme #6 (part 2): Storage and DSO Functions/Energy Management										
First	Last	University	Title	Theme	Keywords	US Date	US Pacific	India Date	IST	
						3/1/2022 7:30-9:35 PT				3/1/2022
						21:00-23:05 IST	<a href="#">Common Teams Link - Click here to join the meeting.</a>			
Hongda	Ren	WSU	Extremum-Seeking Adaptive-Droop for Model-free and Localized Volt-VAR Optimization	6	Extreme Seeking, Volt-VAR control, PV	3/1/2022	7:30-7:55	3/1/2022	21:00-21:25	
Subho	Paul	IIT-R	Residential Area Energy Management using Demand Side Management	6	Demand side management, optimization, energy management	3/1/2022	7:55-8:20	3/1/2022	21:25-21:50	
Chuan	Qin	WSU	Data-Driven Situational Awareness for Distribution System	6	Event, DER/IBR, and Network Awareness	3/1/2022	8:20-8:45	3/1/2022	21:50-22:15	
Linli	Jia	WSU	Coordinating Energy Resources in an Islanded Microgrid for Economic and Resilient Operation	6	islanded microgrid, HILF event, Resource coordination and dispatch, resilience metric, economic vs resilient mode	3/1/2022	8:45-9:10	3/1/2022	22:15-22:40	
Subho	Paul	IIT-R	Residential Appliance Identification using Convolutional Neural Networks	6	load identification, CNN	3/1/2022	9:10-9:35	3/1/2022	22:40-23:05	

Session #3 - Theme #4 (Part 1): Microgrid and Active Distribution Systems										
First	Last	University	Title	Theme	Keywords	US Date	US Pacific	India Date	IST	
						3/1/2022 19:30-21:35 PT				3/2/2022
						9:00-11:05 IST	<a href="#">Common Teams Link - Click here to join the meeting.</a>			
Jorge	Cisneros-Saldana	Texas A&M	Protection for Microgrid and Active Distribution System	4	Microgrids, Protections, Distributive Generat	3/1/2022	19:30-19:55	3/2/2022	9:00-9:25	
Rabia Khan	Khan	WSU	Optimal Power Dispatch in DC islanded Microgrids for rural electrification	4	Rural Electrification,	3/1/2022	19:55-20:20	3/2/2022	9:25-9:50	
SATABDY	JENA	IIT-R	Cyber resilient operation of interconnected DC MG clusters	4	DC Microgrids, Cyber resilience, hierarchical controller,	3/1/2022	20:20-20:45	3/2/2022	9:50-10:15	
KRIPA	TIWARI	IIT-D	Integration of PHP-SPV-BES Based Renewable Energy Sources with Dual Mode Operation	4	PHP, Single Stage SPV Array, Frequency Log Loop, Grid-tied Mode, Stand-alone Mode	3/1/2022	20:45-21:10	3/2/2022	10:15-10:40	



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			<b>Session #4 - Themes #4 (Part 2) and 5: Microgrid and Active Distribution Systems and Cyber Security</b>			3/2/2022 7:30-9:35 PT 21:00-23:05 IST	3/2/2022	<a href="#">Common Teams Link - Click here to join the meeting.</a>	
Suman	Biswal	IIT-BBS	Development of Optimal Protection Coordination Scheme for Microgrids	4	Microgrids, Distributed Generation, Relay Coordination, Directional Overcurrent	3/2/2022	7:30-7:55	3/2/2022	21:00-21:25
Mohammad	Khoshjahan	Texas A&M	DER Participation in the Wholesale Energy and Reserve Markets: Challenges and Opportunities	5	Nano-Grid, Wholesale market, cybersecurity, Visibility, Aggregator	3/2/2022	7:55-8:20	3/2/2022	21:25-21:50
Vivek	Narayanan	IIT-D	Seamless Mode Control of Microgrid for Optimal Coordination of Conventional and Renewable Energy Resources with Improved Power Quality	4	Microgrid, Renewable Energy Sources, Utility Grid, Diesel Generator Set, Synchronization, Power Quality, Uninterrupted Power.	3/2/2022	8:20-8:45	3/2/2022	21:50-22:15
Md Fazley	Rafy	WVU	Integrated cyber-power simulation with DERs	5	Cyber_Physical_System, Distributed_Energy_Resources, OpenDSS, Mininet, Cyber_Attacks	3/2/2022	8:45-9:10	3/2/2022	22:15-22:40

First	Last	University	Title	Theme	Keywords	US Date	US Pacific	India Date	IST
			<b>Session #5 - Themes #7 and 10: DSO Market and Regulatory Issues and Impact Analysis and Policy Recommendations</b>			3/2/2022 19:30-21:35 PT 9:00-11:05 IST	3/3/2022	<a href="#">Common Teams Link - Click here to join the meeting.</a>	
Thomas	Familia	WSU	Exploring the impact of California safety power shutoff events on households: trust, self-sufficiency, and interest in energy technologies	10	trust, battery storage, adoption, electric utility	3/2/2022	19:30-19:55	3/3/2022	9:00-9:25
Kamini	Singh	IIT-K	Peer to peer trading in a decentralised electricity market	7	Energy economics, P2P trading, DER, Prosumer	3/2/2022	19:55-20:20	3/3/2022	9:25-9:50
Megha	Gupta	IIT-D	DER participation in WEM utilizing TSO-DSO coordination	7	distributed energy resources, distribution system operator, transmission system operator, social welfare	3/2/2022	20:20-20:45	3/3/2022	9:50-10:15
Kamini	Singh	IIT-K	To do or not to do: prosumers strategic decision to participate in distributed electricity market	7	Prosumer, Distributed electricoty market, feed in tariff, p2p trading, distributed ancillary services, joint optimisation	3/2/2022	20:45-21:10	3/3/2022	10:15-10:40
Chaman Lal	Dewangan	IIT-K	A Fair Incentive Scheme for Participation of Smart Inverters in Voltage Control	7	Active power curtailment, incentive scheme, reactive power, solar inverter, voltage control	3/2/2022	21:10-21:35	3/3/2022	10:40-11:05