

Conference Program



2023 IEEE International Conference on Energy Technologies for Future Grids (ETFG 2023)

Time	Sunday 3rd December 2023						
7.30	Registration / Information Desk (7.30am-5.00pm)						Author Breakfast
8.00	Inauguration						
8.30 Paper Session 1	Code	PS-1.1.A	PS-1.1.B	PS-1.1.C	PS-1.1.D	PS-1.1.E	Tutorial A (8.30am - 12.30pm)
	Parallel Session	Power Grid Resiliency I	Energy Forecasting I	Active Distribution Network	Electric Vehicle Technologies I	Intelligent Control	
	Track	Power Grid Planning and Operation	Future Grid Energy Technologies	Power and Energy Transformation and Utilisation	Future Grids with Electric Vehicles	Power and Energy Enabling Technologies	
	Room	B67-101	B67-102	B67-201	B67-203	B67-302	
10.30 Morning Tea							
10.45 Paper Session 2	Code	PS-1.2.A	PS-1.2.B	PS-1.2.C	PS-1.2.D	PS-1.2.E	
	Parallel Session	Energy Storage Technologies I	Communication for Power Grids I	Grid Stability	Power Grid Resiliency II	Power Electronics Application I	
	Track	Energy Storage Integration (SS3)	IoT and Communication for Energy Technologies	Power and Energy Transformation and Utilisation	Power grid Planning and Operation	Power and Energy Enabling Technologies	
	Room	B67-101	B67-102	B67-201	B67-203	B67-302	
12.45	Lunch + Keynote (starting 1pm)						
1.30 Paper Session 3	Code	PS-1.3.A	PS-1.3.B	PS-1.3.C	PS-1.3.D	PS-1.3.E	Tutorial B (1.30pm - 5.30pm)
	Parallel Session	Low Carbon System Transition I	Energy Forecasting II	Power Quality I	Customer Energy I	Power Electronics Application II	
	Track	Grid Decarbonization (SS02)	Future Grid Energy Technologies	Power and Energy Transformation and Utilisation	Power and Energy Transformation and Utilization	Power and Energy Enabling Technologies	
	Room	B67-101	B67-102	B67-201	B67-203	B67-302	
3.30 Afternoon Tea							
3.45 Paper Session 4	Code	PS-1.4.A	PS-1.4.B	PS-1.4.C	PS-1.4.D	PS-1.4.E	
	Parallel Session	Energy Storage System Operation I	Distributed Energy Resources	Energy Storages and Electric Vehicles	Multi-Energy Systems	Smart Energy Networks	
	Track	Energy Storage Integration (SS3)	Future Grid Energy Technologies	Power and Energy Transformation and Utilisation	Multi-Energy Systems (SS1)	Power and Energy Enabling Technologies	
	Room	B67-101	B67-102	B67-201	B67-203	B67-302	
5.30	Welcome Reception @ Owen Room, City Diggers, 82 Church Street Wollongong*						
8.00							

Time	Monday 4th December 2023						
7.00	Registration / Information Desk (7.00am-5.00pm)						Author Breakfast
7.45 Paper Session 5	Code	PS-2.1.A	PS-2.1.B	PS-2.1.C	PS-2.1.D	PS-2.1.E	Exhibition
	Parallel Session	Power Electronics Converter	Clean Energy Technologies I	Grid Stability and Control I	Power Grid Distribution	Energy Management Technologies I	
	Track	Power and Energy Enabling Technologies	Future Grid Energy Technologies	Power and Energy Transformation and Utilisation	Power grid Planning and Operation	Power Grid Planning and Operation	
	Room	B67-101	B67-102	B67-201	B67-203	B67-302	
9.30	Centre Launch + Conference Opening						
10.15	Canapes and Refreshments						
10.45	Opening Plenary Session (Featured Plenary Speaker + Keynotes)						
12.45	Lunch						
1.30 Paper Session 6	Code	PS-2.2.A	PS-2.2.B	PS-2.2.C	PS-2.2.D	Panel Session 1 Decarbonisation	
	Parallel Session	Energy Storage Technologies II	Clean Energy Technologies II	Electric Motor Drives and Converter	Power Quality II		
	Track	Energy Storage Integration (SS3)	Future Grid Energy Technologies	Power and Energy Enabling Technology	Power and Energy Transformation and Utilization		
	Room	B67-101	B67-102	B67-201	B67-203		
3.10 Afternoon tea							
3.20 Paper Session 7 (Poster Session)	Talent & Networking Event + Poster Session					3.20 Panel Session 2 Hydrogen Energy	
							5.00
7.00							

Conference Program

Tuesday 5th December 2023							
7.00	Registration / Information Desk (7am-5pm)						Author Breakfast
7.45 Paper Session 8	Code	PS-3.1.A	PS-3.1.B	PS-3.1.C	PS-3.1.D	PS-3.1.E	Short Course 1 Network Planning
	Parallel Session	Hydrogen Energy I	Power System Efficiency I	Communication for Power Grids II	Clean Energy Technologies III	Power System Data Analysis	
	Track	Hydrogen Energy Production and Storage (SS4)	Power and Energy Transformation and Utilization	IoT and Communication for Energy technology	Future Grid Energy Technologies	Power grid Planning and Operation	
	Room	B67-101	B67-102	B67-201	B67-203	B67-302	
9.30	Keynote 2						Exhibition
10.10	Keynote 3						
10.50	Morning Tea						
11.05 Paper Session 9	Code	PS-3.2.A	PS-3.2.B	PS-3.2.C	PS-3.2.D	Panel Session 3 Grid Resiliency	
	Parallel Session	Hydrogen Energy II	Battery Energy Storage Systems and Applications	Power System Security Technologies I	Power Inverter and System Stability		
	Track	Hydrogen Energy Production and Storage (SS4)	Energy Storage Integration (SS3)	IoT and Communication for Energy technology	Power and Energy Enabling Technologies		
	Room	B67-101	B67-102	B67-201	B67-203		
12.45	Lunch + Keynote (starting 1pm)						
1.45 Paper Session 10	Code	PS-3.3.A	PS-3.3.B	PS-3.3.C	PS-3.3.D	PS-3.3.E	
	Parallel Session	Customer Energy II	Power Electronics and Energy Technologies	Power System Efficiency II	Clean Energy Technologies IV	Energy Management Technologies II	
	Track	Power and Energy Transformation and Utilization	Power and Energy Enabling Technologies	Power grid Planning and Operation	Future Grid Energy Technologies	Power grid Planning and Operation	
	Room	B67-101	B67-102	B67-201	B67-203	B67-302	
3.45	Afternoon Tea						
4.00 Paper Session 11	Code	PS-3.4.A	PS-3.4.B	PS-3.4.C	PS-3.4.D	PS-3.4.E	
	Parallel Session	Low Carbon System Transition II	Electric Vehicle Integration and Optimization I	Power Electronics and Fault Detection Technologies	Energy Trading Market	Power Electronics and Communication Technologies	
	Track	Grid Decarbonization (SS2)	Future Grids with Electric Vehicle	Power and Energy Enabling Technologies	Power grid Planning and Operation	Future Grid Energy Technologies	
	Room	B67-101	B67-102	B67-201	B67-203	B67-302	
5.40	Travel to Gala Dinner Venue						
6.30	Gala Dinner @ Panorama House, Bulli Tops*						

10.30

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Wednesday 6th December 2023							
7.00	Registration / Information Desk (7am-5pm)						Author Breakfast
7.45 Paper Session 12	Code	PS-4.1.A	PS-4.1.B	PS-4.1.C	PS-4.1.D	PS-4.1.E	Short Course 2 Solar Farm Collector
	Parallel Session	Grid Stability and Control II	Energy Storage System Operation III	Electric Vehicle Integration and Optimization II	Energy Forecasting III	Power System Stability I	
	Track	Power and Energy Transformation and Utilization	Energy Storage Integration (SS3)	Future Grids with Electric Vehicle	Future Grid Energy Technologies	Power grid Planning and Operation	
	Room	B67-101	B67-102	B67-201	B67-203	B67-302	
9.30	Keynote 5						Exhibition
10.10	Keynote 6						
10.50	Morning Tea						
11.00 Paper Session 13	Code	PS-4.2.A	PS-4.2.B	PS-4.2.C	PS-4.2.D	PS-4.2.E	
	Parallel Session	Grid Stability and Control III	Power Electronics Application III	Electric Vehicle Technologies II	Power Grid Resiliency III	Power System Efficiency III	
	Track	Power and Energy Transformation and Utilization	Power and Energy Enabling Technology	Future Grids with Electric Vehicle	Future Grid Energy Technologies	Future Grid Energy Technologies	
	Room	B67-101	B67-102	B67-201	B67-203	B67-302	
12.40	Women in Engineering (WIE) Luncheon Keynote + Panel Session						
2.40 Paper Session 14	Code	PS-4.3.A	PS-4.3.B	PS-4.3.C	PS-4.3.D	PS-4.3.E	
	Parallel Session	Customer Energy III	Transmission & Distribution System Technologies	Energy Forecasting IV	Clean Energy Technologies V	Power System Stability II	
	Track	Power and Energy Transformation and Utilization	Power and Energy Enabling Technology	Future Grid Energy Technologies	Future Grid Energy Technologies	Power grid Planning and Operation	
	Room	B67-101	B67-102	B67-201	B67-203	B67-302	
4.20	Afternoon Tea						
4.30	Closing Ceremony & Award Presentation						
5.00							

* All Conference sessions except Welcome Reception & Gala Dinner will be held at University of Wollongong main campus, building 67.



7.30
IEEE IAS Regional CMD Workshop part 1

Workshop on Standards

1.30
CMD Workshop Lunch

CMD Workshop - part 2