



IEEE STPEC 2023 PROGRAM

Day 1: 10th December 2023 (Sunday)

8.30hrs	Registration (Venue-Banquet Hall, Campus 6, KIIT-DU)			
9:00hrs	KIIT & KISS Campus Tour (Starting point- Gandhi Chhak, Campus 6) & Missile Park Visit supported by ITR, Chandipur DRDO (Banquet Hall, Campus 6, KIIT-DU)			
9:30hrs-11:00hrs	Tutorial 1	Dr. Pallavi Bharadwaj (IIT Gandhinagar)	Battery Digital Twin for Performance Optimization	Conference Hall 1 Campus 6, KIIT-DU
9:30hrs-11:00hrs	Tutorial 2	Dr. Sanjeet Kumar Dwivedi, (Green Hydrogen Danish MNC A/S Denmark)	Green Hydrogen: An Ideal Source for Safe and Reliable Energy for World	Conference Hall 2, Campus 6, KIIT-DU
11:00hrs- 11:15hrs: Tea Break(Venue- Kunjaban, Campus 6, KIIT-DU)				
11:15hrs-12:45hrs	Tutorial 1_Resume.....			
11:15hrs-12:45hrs	Tutorial 2_Resume.....			
13:00hrs- 14:00hrs: Lunch Break (Venue- Banquet Hall, Campus 6, KIIT DU)				
14:00hrs-15:30hrs	Tutorial 3	Dr. Anurag Sharma (Newcastle University, UK), Dr. Sayansom Chanda, (NREL, Golden, Colorado), Mr. Pranav Raikote (Plexflo Grid Analytics, Boulder, Colorado)	Generative AI Applications for Power Systems	Conference Hall 1, Campus 6, KIIT-DU
14:00hrs-15:30hrs	Tutorial 4	Dr.Lalit Goel (Nanyang Technological University, Singapore)	Power System Reliability Assessment Emphasizing Generating Capacity Reliability Evaluation	Conference Hall 2, Campus 6, KIIT-DU
15:30hrs-15:45hrs: Tea Break(Venue-Kunjaban, Campus 6, KIIT-DU)				
15:45hrs-17:15hrs	Tutorials 3_Resume.....			
15:45hrs-17:15hrs	Tutorials 4_Resume.....			
17:15hrs- 18:00hrs: Networking followed by High Tea (Venue- Banquet Hall, Campus 6, KIIT DU)				



IEEE STPEC 2023 PROGRAM

Day 2: 11th December 2023 (Monday)

8.30hrs	Registration (Venue- Banquet Hall, Campus 6, KIIT-DU)		
9:00hrs	KIIT & KISS Campus Tour (Starting point- Gandhi Chowk, Campus 6) & Missile Park Visit supported by ITR, Chandipur DRDO (Banquet Hall, Campus 6, KIIT-DU)		
09:00hrs-10:30hrs	Technical Sessions(1-5)		Conference Hall 1, 2, 5, 6 & 7, Campus 6, KIIT-DU
10:30hrs-11:00hrs	Hi-Tea and Poster Session-1		Kunjaban & Lobby of Auditorium, Campus 6, KIIT-DU
11:00hrs-12:30hrs	Technical sessions (6-10)		Conference Hall 1,2,5,6 &7, (Campus-6, KIIT-DU)
12:30 hrs-13:30 hrs- Lunch Break (Venue- Banquet Hall, Campus 6, KIIT DU)			
13:30hrs-14:15hrs	Keynote1	Prof. S. N. Singh, Director, ABVIIIITM, Gwalior India (IEEE Fellow)	Seminar Hall, Campus-6, KIIT-DU
14:15hrs-15:00hrs	Keynote 2	Dr.Ching-Jan Chen, National Taiwan University (NTU), Taiwan	Seminar Hall, Campus-6, KIIT-DU
15:00hrs-15:30hrs	Tea Break and Poster session-2		Kunjaban & Lobby of Auditorium, Campus 6, KIIT-DU
15:30hrs - 16:15 hrs	Keynote 3	Prof. Akshay Kumar Rathore, Singapore Institute of Technology, Singapore	Seminar Hall, Campus- 6, KIIT-DU
16:15hrs-17.30 hrs	SYP Event	Prof. Vinod Khadkikar (KU,UAE) Prof. Sivaneasan Bala Krishnan (SIT, Singapore), Dr. Arun Kumar Verma (IIT Jammu)	Seminar Hall, Campus- 6, KIIT-DU
18.00hrs-19.00hrs	Inaugural Session		Auditorium Campus-7, KIIT-DU
19.00hrs	Cultural Program followed by Hi-Tea		Auditorium Campus-7, KIIT-DU



IEEE STPEC 2023 PROGRAM

Day 3: 12th December 2023 (Tuesday)

8.30hrs	Registration (Venue- Banquet Hall, Campus 6, KIIT-DU)		
9:00hrs	KIIT & KISS Campus Tour (Starting point- Gandhi Chowk, Campus 6) & Missile Park Visit supported by ITR, Chandipur DRDO (Banquet Hall, Campus 6, KIIT-DU)		
09:00hrs-10:30hrs	Technical Sessions (11- 15)		Conference Hall 1, 2, 5, 6 & 7, Campus 6, KIIT-DU
10:30hrs-11:00hrs	Hi-Tea and Poster Session-3		Kunjaban & Lobby of Auditorium, Campus 6, KIIT-DU
11:00hrs-12:30hrs	Technical sessions (16-20)		Conference Hall 1,2,5,6 &7, Campus 6, KIIT-DU
12:30 hrs-13:30 hrs- Lunch Break (Venue- Banquet Hall, Campus 6, KIIT DU)			
13:30hrs-15:00hrs	Technical Sessions (21-25)		Conference Hall 1,2,5,6 &7, Campus 6, KIIT-DU
15:00hrs-15:30 hrs	Tea Break and Poster Session-4		Kunjaban & Lobby of Auditorium, Campus 6, KIIT-DU
15.30 hrs-16.15hrs	Keynote 4	Dr. Brij N Singh, John Deere, USA (IEEE Fellow)	Seminar Hall, Campus-6, KIIT-DU
16.15 hrs-17.00 hrs	Keynote 5	Prof. Arif Sarwat, Florida International University, Miami, USA	Seminar Hall, Campus-6, KIIT-DU
17.00 hrs-17.30 hrs	Keynote 6	Dr. Gourab Majumdar, Senior Fellow, Power Device Works, Mitsubishi Electric Corporation, Japan	Seminar Hall, Campus-6, KIIT-DU
17.30 hrs- 18.00hrs: Tea Break (Kunjaban)			
18.00hrs-19.00hrs	Valedictory Function followed by Distribution of Awards		Seminar Hall, Campus- 6, KIIT-DU
19:00 hrs: Gala Dinner (Venue- Banquet Hall, Campus 6, KIIT DU)			

Day 4: 13th December 2023 (Wednesday)

9:00hrs-10hrs	Breakfast/Hi-Tea ((Venue- Banquet Hall, Campus 6, KIIT DU)		
10 hrs	Sightseeing- Dhauligiri and Konark Sun Temple(Departure from Gandhi Chowk, Campus 6)		



IEEE STPEC 2023 Technical Session Schedule Oral Session

Day 2: Monday (11th December 2023) 09:00hrs-10:30hrs	
Technical Sessions(1-5) (KIIT-DU, Campus- 6, Conference Hall 1,2,5,6 &7)	
Technical Session & Track	Paper Id
Technical Session 1 Power Electronic Converters	30, 89,172,178,180, 189
Technical Session 2 Power System and Smart Grids	26, 42, 70, 74, 79, 91
Technical Session 3 Renewable Energy and Energy Storage Systems	20, 36, 78, 94, 96, 126
Technical Session 4 Artificial Intelligence, Machine Learning & Signal Processing for Power & Energy Applications	9, 40, 101, 137, 138, 184
Technical Session 5 Automation, Control and Digital Systems	84, 107, 210, 211, 230, 242

Day 2: Monday (11th December 2023) 11:00hrs-12:30hrs	
Technical Sessions(6-10) (KIIT-DU, Campus- 6, Conference Hall 1,2,5,6 &7)	
Technical Session & Track	Paper Id
Technical Session 6 Power Electronic Converters	190, 200, 205, 220, 239, 252
Technical Session 7 Power System and Smart Grids	105, 114, 128, 134, 139, 149
Technical Session 8 Renewable Energy and Energy Storage Systems	133, 166, 194, 201, 219, 221
Technical Session 9 Artificial Intelligence, Machine Learning & Signal Processing for Power & Energy Applications	301, 306, 309, 312, 440, 463
Technical Session 10 Automation, Control and Digital Systems	257, 275, 299, 327, 373, 387

Day 3: Tuesday (12th December 023) 09:00hrs-10:30hrs	
Technical Sessions (11-15) (KIIT-DU, Campus- 6, Conference Hall 1,2,5,6 &7)	
Technical Session & Track	Paper Id
Technical Session 11 Power Electronic Converters	256, 262, 277, 300, 305, 307
Technical Session 12 Power System and Smart Grids	164, 192, 196, 226, 244, 313
Technical Session 13 Renewable Energy and Energy Storage Systems	224, 229, 278, 287, 326, 340
Technical Session 14 Electrical Machines and Industrial Drives	17, 18, 31, 52, 186, 215, 217
Technical Session 15 Power Quality Issues and Mitigation, FACTS and Custom Power Devices	132, 212, 362, 366, 410, 433

Day 3: Tuesday (12th December 023) 11:00hrs-12:30hrs	
Technical Sessions (16-20) (KIIT-DU, Campus- 6, Conference Hall 1,2,5,6 &7)	
Technical Session & Track	Paper Id
Technical Session 16 Power Electronic Converters	293, 331, 359, 374, 376, 378
Technical Session 17 Power System and Smart Grids	317, 320, 351, 369, 381, 386
Technical Session 18 Renewable Energy and Energy Storage Systems	341, 395, 402, 404, 422, 428
Technical Session 19 Electrical Machines and Industrial Drives	231, 290, 304, 329, 370, 399
Technical Session 20 Transportation Electrification and Automotive Technologies	111, 176, 202, 227, 228, 311



**Day 3: Tuesday (12th December 2023)
13:30hrs-15:00Hrs**

Technical Sessions(21-25)
(KIIT-DU, Campus- 6, Conference Hall 1,2,5,6 &7)

Technical Session & Track	Paper Id
Technical Session 21 Power Electronic Converters	384, 408, 418, 432, 447, 451
Technical Session 22 Power System & Smart Grids	388, 396, 411, 415, 435, 437
Technical Session 23 Power System & Smart Grids	441, 449, 460, 462
Technical Session 24 Renewable Energy and Energy Storage Systems	434, 439, 445, 448, 450, 457
Technical Session 25 Transportation Electrification and Automotive Technologies	342, 393, 400, 442, 454, 464

**Day 4: Wednesday (13th December 2023)
10:00hrs-11:00hrs**

Technical Session (26)	Paper Id: 117, 118, 119, 120, 310

Poster Session

**Day 2: Monday (11th December 2023)
10:30hrs-11:00hrs**

Hi-Tea and Poster Session-1 (Kunjaban & Lobby, Auditorium Entrance, Campus 6, KIIT-DU)

POSTER SESSION (1)

Power Electronics Converters(17 Papers): [55](#), [143](#), [218](#), [233](#), [236](#), [238](#), [248](#), [280](#), [319](#), [352](#), [357](#), [358](#), [380](#), [398](#), [324](#), [403](#), [455](#)



**Day 2: Monday (11th December 2023)
15.00hrs-15.30hrs**

Tea Break and Poster Session-2 (Kunjaban & Lobby, Auditorium Entrance, Campus 6, KIIT-DU)

POSTER SESSION (2)

Power System & Smart Grids (9 Papers): [63](#), [183](#), [216](#), [171](#), [206](#), [241](#), [303](#), [318](#), [385](#)

Transportation Electrification and Automotive Technologies(6 Papers): [23](#), [343](#), [401](#), [214](#), [249](#), [465](#)

**Day 3: Tuesday (12th December 2023)
10:30hrs-11:00hrs**

Hi-Tea and Poster Session-3 (Kunjaban & Lobby, Auditorium Entrance, Campus 6, KIIT-DU)

POSTER SESSION (3)

Artificial Intelligence, Machine Learning & Signal Processing for Power & Energy Applications (13 Papers): [53](#), [140](#), [167](#), [173](#), [204](#), [208](#), [314](#), [354](#), [356](#), [382](#), [416](#), [417](#), [436](#)

Automation, Control and Digital Systems(5 Papers): [142](#), [187](#), [191](#), [207](#), [368](#)

**Day 3: Tuesday (12th December 2023)
15:00hrs-15:30Hrs**

Tea Break and Poster Session-4 (Kunjaban & Lobby, Auditorium Entrance, Campus 6, KIIT-DU)

POSTER SESSION (4)

Electrical Machines and Industrial Drives (5 Papers): [19](#), [67](#), [68](#), [182](#), [213](#), [371](#)

Renewable Energy and Energy Storage Systems(10 Papers): [41](#), [113](#), [225](#), [260](#), [315](#), [392](#), [406](#), [419](#), [458](#), [461](#)

Semiconductor Devices and Circuits(2): [24](#), [76](#)
