

Organizations of Technical Sessions

Power Electronics Converters in Transportation and Energy Application (PECTEA-2025), June 18-21, 2025

School of Electrical and Computer Sciences, IIT Bhubaneswar

Exhibition Area for Industry: Entrance Udayagiri Hall of Learning (All 4 days)

Day 1: June 18, 2025 (Tutorial Day)

Time	Session Details	
9:00 AM - 11:15 AM	Tutorial 1A: Prof. Shyama Prasad Das, IIT Kanpur [U04-M] Chair: Dr. Ankit Ravindra Deshmukh, IIT Bhubaneswar	Tutorial 1B: Dr. Srinivas Bhaskar Chaganti, Kamma Gear Flywheel [U01-M] Chair: Dr. Akshay K, IIT Bhubaneswar
11:15 AM - 11:30 AM	Tea Break [Lobby Area]	
11:30 AM - 1:45 PM	Tutorial 2A: Prof. Pravas Ranjan Sahu, IIT Bhubaneswar [U04-M] Chair: Dr. Dipankar De, IIT Bhubaneswar	Tutorial 2B: Mr. Pankaj Kumar Jha, Power Grid Corporation of India Limited [U01-M] Chair: Dr. Abhineet Prakash, IIT Bhubaneswar
1:45 PM - 2:45 PM	Lunch [Lobby Area]	
2:45 PM - 5:00 PM	Tutorial 3A: Prof. Partha Sarathi Sensarma, IIT Kanpur [U04-M] Chair: Dr. Abhinav Arya, IIT Bhubaneswar	Tutorial 3B: Prof. Bhim Singh, IIT Delhi [U01-M] Chair: Dr. Chandrasekhar Perumalla, IIT Bhubaneswar

Day 2: June 19, 2025

9:30 AM - 10:30 AM	Inauguration [U03-L]		
10:30 AM - 11:00 AM	High Tea [Lobby Area]		
11:00 AM - 12:15 PM	Keynote Speech-1: Prof. Sukumar Mishra, IIT (ISM) Dhanbad [U03-L] Chair: Dr. Chandrasekhar Perumalla, IIT Bhubaneswar		
12:15 PM - 1:30 PM	Keynote Speech-2: Prof. Sanjib Kumar Panda, NUS, Singapore [U03-L] Chair: Dr. Srinivas Bhaskar Karanki, IIT Bhubaneswar		
1:30 PM - 2:45 PM	Lunch [Lobby Area]		
2:45 PM - 4:15 PM	Technical Session-1A [U00-M] Chair: Dr. Chandrasekhar Perumalla, IIT Bhubaneswar & Dr. Mrutyunjaya Sahani, NUS Singapore Paper ID: PECTEA-2025-000047, 000079, 000129, 000131, 000133, 000136	Technical Session-1B [U04-M] Chair: Prof. Bhim Singh, IIT Delhi & Dr. Abhinav Arya, IIT Bhubaneswar Paper ID: PECTEA-2025-000003, 000020, 000035, 000046, 000184, 000045	Technical Session-1C [U05-M] Chair: Prof. Partha Sarathi Sen-sarma, IIT Kanpur & Dr. Aftab Alam, Birla Institute of Technology, Mesra Paper ID: PECTEA-2025-000197, 000200, 000219, 000221, 000226, 000230
2:45 PM - 4:15 PM	Technical Session-1D [U02-L] Chair: Dr. Kumaravel S., NIT Calicut & Dr. Akshay K, IIT Bhubaneswar Paper ID: PECTEA-2025-000210, 000217, 000014, 000018,000037,000058,000073	Technical Session-1E [U03-L] Chair: Mr. Pankaj Kumar Jha, Power Grid Corporation of India Limited & Dr. Pankaj Dilip Achlerkar, IIT Bhubaneswar Paper ID: PECTEA-2025-000124, 000187, 000199, 000090,000163,000141,000152	Technical Session-1F [U01-M] Chair: Dr. Monalisa Pattnaik, NIT Rourkela & Dr. Ankit Ravindra Deshmukh, IIT Bhubaneswar Paper ID: PECTEA-2025-000149, 000178, 000193, 000198, 000215, 000225
4:15 - 4:45 PM	Tea Break [Lobby Area]		
4:45 - 6:00 PM	Industrial Forum: The Electrification of Heavy Duty Transportation [U04-M] Chair: Prof. John Hayes, University College Cork, Ireland; Prof. Pat Wheeler, University of Nottingham; Dr. Chandrasekar V, CDAC, Thiruvananthapuram, Kerala, India; Prof. Sumit GhatakChoudhuri, IIT Roorkee; Dr. Debanand Singdeo, Mathworks		
6:00 PM - 6:45 PM	Industry Demonstration [U01-M]		

Day 3: June 20, 2025

Time	Session Details		
9:30 AM - 10:45 AM	Keynote Speech-3: Prof. Rajeev Kumar Singh, IIT (BHU) Varanasi [U03-L] Chair: Dr. Ankit Ravindra Deshmukh, IIT Bhubaneswar		
10:45 AM - 11:15 AM	Tea Break [Lobby Area]		
11:15 AM - 12:30 PM	Keynote Speech-4: Prof. Debaprasad Kastha, IIT Kharagpur [U03-L] Chair: Dr. Dipankar De , IIT Bhubaneswar		
12:30 PM - 2:00 PM	Lunch [Lobby Area]		
2:00 PM - 3:15 PM	Keynote Speech-5, John Hayes, University College Cork, Ireland [U03-L] Chair: Dr. Ankit Dalal, IIT Bhubaneswar		
3:15 PM - 4:45 PM	Technical Session-2A [U00-M] Chair: Dr. Pradyumn Chaturvedi, VNIT Nagpur & Dr. Sumit GhatakChoudhuri, IIT Roorkee Paper ID: PECTEA-2025-000072, 000074, 000080, 000103, 000108, 000137	Technical Session-2B [U04-M] Chair: Prof Rajeev Kumar Singh, IIT(BHU) & Dr. Srinivas Bhaskar Karanki, IIT Bhubaneswar Paper ID: PECTEA-2025-000055, 000070, 000094, 000102, 000109, 000104	Technical Session-2C [U05-M] Chair: Mr. Vadamalai Natarajan Panchalai, NPOL, Kochi & Dr. Susovon Samanta, NIT Rourkela Paper ID: PECTEA-2025-000145, 000158, 000162, 000048, 000088, 000196
3:15 PM - 4:45 PM	Technical Session-2D [U02-L] Chair: Dr. Sateesh Kumar Kun-cham, NIT Tiruchirappalli & Dr. Ravinder Kumar, NIT Uttarakhand Paper ID: PECTEA-2025-000081, 000114, 000125, 000164, 000177, 000209	Technical Session-2E [U03-L] Chair: Prof. Pat Wheeler, University of Nottingham & Dr. Ankit Dalal, IIT Bhubaneswar Paper ID: PECTEA-2025-000175, 000082, 000185, 000205,000023,000041,000174	Technical Session-2F [U01-M] Chair: Dr. Tummuru Narsa Reddy, IIT Bhubaneswar & Dr. Ram Prasad Padhy, IIT Bhubaneswar Paper ID: PECTEA-2025-000067, 000069, 000085, 000150, 000222, 000180
4:45 PM - 5:15 PM	Tea Break [Lobby Area]		
5:30 PM - 7:00 PM	Women in Engineering Event Celebrating IEEE PELS Day [U04-M] Chair: Dr. Monalisa Pattnaik, NIT Rourkela; Prof. Celia Shahnaz, BUET; Prof. Premalata Jena, IIT Roorkee; Prof. Renu Sharma, SOADU, Odisha		
7:30 PM - 9:30 PM	Conference Dinner [Lobby Area]		

Day 4: June 21, 2025

9:00 AM - 10:15 PM	Keynote Speech-6: Prof. Pat Wheeler, University of Nottingham, UK [U03-L] Chair: Dr. Tummuru Narsa Reddy, IIT Bhubaneswar		
10:15 AM - 10:30 AM	Tea Break [Lobby Area]		
10.30 AM - 12:00 Noon	Technical Session-3A [U00-M] Chair: Dr. Susovon Samanta, NIT Rourkela & Dr. Pradyumn Chaturvedi, VNIT Nagpur Paper ID: PECTEA-2025-000147, 000189, 000207, 000218, 000224, 000228, 000190	Technical Session-3B [U04-M] Chair: Dr. Aftab Alam, Birla Institute of Technology, Mesra & Dr. Dipankar De, IIT Bhubaneswar Paper ID: PECTEA-2025-000127, 000128, 000132, 000134, 000138, 000142	Technical Session-3C [U05-M] Chair: Dr. Pankaj Dilip Achlerkar, IIT Bhubaneswar & Dr. Abhineet Prakash, IIT Bhubaneswar Paper ID: PECTEA-2025-000084, 000143, 000010, 000076, 000077, 000146
10.30 AM - 12:00 Noon	Technical Session-3D [U02-L] Chair: Dr. Kumaravel S., NIT Calicut & Dr. Sumit Ghatak Choudhuri, IIT Roorkee Paper ID: PECTEA-2025-000013, 000060, 000086, 000176, 000011, 000042	Technical Session-3E [U03-L] Chair: Prof. Shyama Prasad Das, IIT Kanpur & Dr. Ankit Dalal, IIT Bhubaneswar Paper ID: PECTEA-2025-000050, 000062, 000066, 000100, 000122, 000016	Technical Session-3F [U01-M] Chair: Dr. Sankarsan Mohapatro, IIT Bhubaneswar & Dr. Bidhan Biswas, IIT Bhubaneswar Paper ID: PECTEA-2025-000140, 000183, 000021, 000098, 000155, 000075
12:Noon- 1:00 PM	Lunch [Lobby Area]		
1:00 PM - 1:30 PM	Concluding Session [U03-L]		
1:30 PM - 9:00 PM	Tour to Konark Sun Temple and Start-up Industries		