

	EE Summer School '23 Detailed Events				
	3 July (Monday)	4 July (Tuesday)	5 July (Wednesday)	6 July (Thursday)	7July (Friday)
8.30-9.00	Registration				
9.00-9.15	Inauguration	Faculty Talk 2 (PE) Power electronics for a sustainable future. Dr. Kaushik Basu (SC:Dr. Vishnu Mahadeva Iyer)	Faculty Talk 3 (SP, CV) Linear algebra in signal processing and machine learning. Prof. A G Ramakrishnanan (SC: Dr. Kunal Narayan Chaudhury)	Faculty Talk 4 (AI, ML) Data Efficient Learning in Computer Vision. Dr. Soma Biswas (SC: Dr. Muthuvel Arigovindan)	Faculty Talk 5 (CS) Decision and Control Systems: Intro, Current and Emerging. Dr. Pavankumar Tallapragada (SC: Dr. Kunal Narayan Chaudhury)
9.15-10.00	About IISc, EECS and EE Prof. A G Ramakrishna (SC: Prof. Udaya Kumar)				
10.00 - 10.15	Plenary Talk: GE Future of Flight: Hybrid Electric Propulsion. Dr. Sumitha Mohan (SC: Dr. Gurunath Gurrala)	Student Talks 2 (PE) Himanshu Sandhibhigraha Harisyam P V Sumedh Amrutrao Awathare (SC: Dr. Kaushik Basu)	Student Talks 3 (SP/CV) Lalit Manam Chitturi Sidhartha Nishanth and Siddarth Asokan (SC: Dr. Venu Madhav Govindu)	Student Talks 4 (AI/ML) Ritika Jain Debarpan Bhattacharya Jayateja Kalla (SC: Dr. Prasanta Ghosh)	Student Talks 5 (CS) Anusree Rajan Nishchal Hoysal Prashil Wankhede (SC: Dr. Kiran Kumari)
10.15 - 10.45					
10.45 - 11.00		Break			
11.00 - 11.15	Break	Faculty Panel (PE/PS/HV) (SC: Dr. Utshab Kundu)	Faculty Panel (SP/CV/CS/AI/ML) (SC: Prof. Chandra Sekhar Seelamantula)	Life @ IISc Dr. Soma Biswas (SC: Dr. Kiran Kumari)	About IEEE Dr. Prashant Mishra and Dr. Ravichandra Kulkarni (SC: Dr. Gurunath Gurrala)
11.15-12.00	Faculty Talk (PS/HV) Dr. Sarasij Das Dr. B Subba Reddy (SC: Dr. Joy Thomas)				
12.00 - 12.15	Student Talks 1 (PS/HV) Dhurvesh Kalke Deepak Kaushik Kuldeep Singh Shivran (SC: Prof. Udaya Kumar)	Parallel Tutorial PE: Dr. Utsab Kundu, An overview of power management applications. AI/ML: Lalit Manam, 3D Volumetric Rendering: Neural Radiance Fields. CS: Dr. Kiran Kumari, Understanding control systems.	Parallel Tutorial PE: Dr. Kaushik Basu, DC-DC Converter. AI/ML: Lalit Manam, 3D Volumetric Rendering: Neural Radiance Fields. CS: Dr. Kiran Kumari, PID control design with real world applications.	Parallel Tutorial PE: Dr. Vishnu Mahadeva Iyer, An introduction to power semiconductors. AI/ML: Dr. Muthuvel Arigovindan, Image reconstruction by numerical optimization. CS: Dr. Pavankumar Tallapragada, Networked control systems.	Parallel Tutorial PE: Dr. Samir Hazra, Power Electronics Application. AI/ML: Dr. Sriram Ganapathy, Self supervision and large language models - The Buzz of Generative AI. CS: Dr. Pavankumar Tallapragada, Multi-agent Systems and Control.
12.15 - 13.00					
13.00 - 14.15	Lunch				
14.15 - 14.45	Sponsor Talk - Qualcomm Advancements in wireless communications and beyond. Dr. Tanumay Dutta (SC: Dr. Prasanta Ghosh)	Industry Talks : Power engineering is next disruption: Be a part of journey. Dr. Sachin Srivastav, Enphase (SC: Dr. Gurunath Gurrala)	Research Students Symposium	Students Panel	Closing
14.45 - 15.15	Sponsor Talk - Kaizen Ravikamesh Ramchandran (SC: Dr. Prasanta Ghosh)	Sponsor Talk - Power Grid Er. Mohan Kumar Gupta (SC: Dr. Samir Hazra)			
15.15 - 15.45	Industry Talk: Opportunities in Power Engineering. Dr. Vishal Gopala Krishnan, Bloom Energy (SC: Dr. Samir Hazra)	Industry Talk: Leveraging Simulation & AI to improve drivability of 2W EV. Dr. Himadri Bhushan Das, OLA Electric (SC: Dr. Kiran Kumari)			
15.45 - 16.00	Break				
16.00 - 17.30	Lab Visits	Lab Visits	Lab Visits	Lab Visits	