



National Symposium on EMERGING TECHNOLOGIES FOR GREEN ENERGY

organized by IEEE Kerala Section in association with BPCL



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SCHEDULE

DAY 1 - 08/09/2023

Time(IST)	Programme	Description	Topic
08:30 - 10:00	Registration	Delegate registration	
10:00 - 10:10	Inauguration	Welcome Speech - Er. C. M. Varughese Chair, IEEE EdSoc Kerala Chapter	
10:10 - 10:25		Presidential Address - Prof. Muhammed Kasim S Chair, IEEE Kerala Section	
10:25 - 10:40		About the Symposium - Dr. Ajith Gopi Chair, IEEE PES Kerala Chapter	
10:40 - 10:55		Inaugural Speech - Shri. K. R. Jyothilal IAS Additional Chief Secretary Dept of Power and Public Administration, Government of Kerala	
10:55 - 11:05		Guests of Honor - Dr. R. Harikumar, Director, Energy Management Centre Trivandrum	
11:05 - 11:15		Vote of Thanks - Dr. Biju K Secretary, IEEE Kerala Section	
11:15 - 11:30	Tea Break		

11:30 - 13:05	Session 1 Expert Session on Green Hydrogen	Santhosh K Gurunath CEO & Co-Founder, Umanage Hydrogen Pvt Ltd, Ahmedabad, Gujarat Saju Zacharia AGM, Corp Planing, Travancore Cochin Chemicals Ltd K Prem Kumar Scientist, ANERT Anish S DGM C-SAS, Cochin Shipyard Ltd Moderator: TBD <ul style="list-style-type: none"> ● 20 min presentation on the topic for each speaker ● 15 min general discussion & audience Q&A 	Green Hydrogen Economy - Challenges and Opportunities Hydrogen: Fuel for the Future Green Hydrogen - Roadmap for Kerala Fuel Cell Solution for Maritime Applicati
13:05 - 14:00	Lunch Break		
14:00 - 15:20	Session 2 Expert Session on Energy Storage and Grid Stability	Bindu Madhavi Director - Regulatory & Policy - IESA Aby Joseph Senior Director, Power Electronics Group, CDAC Dr Kumaravel S Associate professor, NIT Calicut Moderator: Dr.Bijuna Kunju K <ul style="list-style-type: none"> ● 20 min presentation on the topic for each speaker ● 15 min general discussion ● 15 min audience Q&A 	Utility-level Battery Energy Storage Systems Grid-forming Inverters for Microgrid Improving Grid Stability Using Solar-powered Inverters
15:20 - 15:25	Tea Break		
15:25 - 17:00	Session 3 Expert Session on Challenges in Renewable Energy Adoption	Dr. Ajith Gopi Chair, IEEE PES Kerala Chapter Joint Chief Technical Manager, ANERT G Sivaramakrishnan President, KREEPA Sajin Mohammed Ismail Assistant Engineer (Innovation) Office of CE(REES), KSEBL Dr R. M. Shereef Associate Professor, Dept of Electrical Engineering	Renewable Energy Challenges in Kerala Energy Transition and Renewable Energy Technologies Renewable Energy Technologies and Application Challenges - Present and Future Renewable Energy Integration - Issues and

		College of Engineering, Trivandrum	Challenges
		Moderator: Er. Harikumar K P	
		20 min presentation on the topic for each speaker 15 min general discussion and audience Q&A	

DAY 2 - 09/09/2023

Time(IST)	Programme	Description	Topic
09.30 - 11:05	Session 4 Expert Session on IoT, Blockchain and AI adoption in Green Energy	Dr Nikhil P G Assistant Director, NISE	Data Analytics in Solar PV Power Plants
		Rajeev M A Head-AI LAB, TCS Kochi	Applications of AI in the Power Sector
		Dr Vivek Mohan (Assistant Professor, NIT Calicut)	Applications of Blockchain in the Power Sector
		Moderator: Dr. Job Chunkath & Dr. Vishnukumar S	
		<ul style="list-style-type: none"> • 20 min presentation on the topic for each speaker • 15 min general discussion • 15 min audience Q&A 	
11:05 - 11:20	Tea Break		
11:20 - 12:55	Session 5 Expert session on Net Zero Energy Transition	Satheesh Kumar Pai Deputy General Manager - In charge CIAL Infrastructure Ltd	Green Energy Airports
		Dinesh Kumar A N Joint Director, Energy Management Centre, Trivandrum	Energy Efficiency and Customer Engagement
		Anand Gopinath Senior Manager, HSE Environment BPCL - Kochi Refinery	Net Zero - Accelerating Decarbonization for Sustainable Growth
		Sajan P John Chief Operating Officer, Kochi Water Metro	Energy Storage for Marine Applications
		Moderator: Dr. Vasanthi V & Dr. Biju K	
		<ul style="list-style-type: none"> • 20 min presentation on the topic for each speaker • 15 min general discussion and audience Q&A 	

13:00 - 14:00	Lunch Break		
14:00 - 15:30	Session 6 Expert Session on Renewable Energy Transition and its Impact on Economy	<p>Dr P K Viswanathan Professor and HoD (Management), Amrita Viswa Vidyapeetham, Amritapuri Campus, Kollam</p> <p>Dr Jayaraman C Managing Director, Equinoct</p> <p>Dr K Soman President, Energy Conservation Society</p> <p>Pradeep Kumar Keloth Former Head of Engineering, EV BOSCH India</p> <p>Moderator: Er. C. M. Varughese</p>	<p>RE Transition and its Impact on the Economy</p> <p>Impact of Energy Transition on the Economy</p> <p>Impact of Energy Transition on the Economy</p> <p>Advancements in Energy Storage Systems</p>
		<ul style="list-style-type: none"> • 20 min presentation on topic for each speaker • 10 min general discussion & audience Q&A 	
15:30 - 15:35	Tea Break		
15:35 - 15:45	Valedictory Ceremony	Welcome speech	- Dr Kesavasamy Advisor, IEEE EdSoc Kerala Chapter
15:45 - 15:50		Presidential Address.	- Dr. M. V. Rajesh Chair, IEEE Kochi Subsection
15:50 - 16:00		Chief Guest.	- Prof. V K Damodaran Chair, LMAG, IEEE Kerala Section
16:00 - 16:15		Report of the Symposium	- Dr. Lisha Paul Vice Chair, IEEE EdSoc Kerala Chapter
16:15 - 16:25		Felicitation.	- Dr. S. M. Sameer Chair, IEEE Region-10 Conference Quality Management
16:25 - 16:30		Vote of thanks	- Er.Anil M Secretary, IEEE EdSoc Kerala Chapter