



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

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Accredited by NAAC with A++ Grade | Kuniyamuthur, Coimbatore - 641008
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Department of Electronics and Communication Engineering
&
Department of Electrical and Electronics Engineering
Jointly Organizes

IEEE International Conference on

**INNOVATIONS IN ENGINEERING AND
NEXT-GENERATION TECHNOLOGIES FOR
SUSTAINABILITY**

ICINVENTS-25

7th & 8th November 2025

All are cordially Invited!





SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

&

Department of Electrical and Electronics Engineering



Cordially invites you to grace the Inaugural function of



IEEE International Conference on

***Innovations in Engineering and Next-Generation Technologies
for Sustainability***

ICINVENTS-25

7th and 8th November 2025



Smt. S. Malarvizhi

*Chairperson and Managing Trustee, Sri Krishna Institutions
will deliver the Presidential Address*

Shri. K. Adithya

*Trustee, Sri Krishna Institutions
will deliver the Felicitation Address*



Prof. Dr. Arokiaswami Alphones

*School of Electrical and Electronic Engineering,
Nanyang Technological University, Singapore & Chair, IEEE Singapore Section (2021-2023)
has kindly consented to be the Chief Guest and to deliver the Inaugural address*

Dr. Paventhan Arumugam

*Senior Director (R&D) & Scientist G, ERNET India, MEITY, GoI
has kindly consented to be the Guest of Honour*



Dr. Arun K Choudhary

*Deputy Director & Scientist C, Ministry of New and Renewable Energy, GoI
will deliver the Special Address*

AP.Ts. Dr. Ramani Kannan

*Associate Professor & PG Programme Leader, Universiti Teknologi
PETRONAS, Malaysia & Chair, IEEE PELS Malaysia Section (2023)
will deliver the Special Address*



Dr. K. Sundararaman

*CEO, Sri Krishna Institutions
will deliver the Special Address*

Dr. K. Porkumaran

*Principal & Senior Professor, Sri Krishna College of Engineering and Technology,
Chair IEEE Madras Section (2022-2024)*

*Vice Chair, Sustainable Development Activities, IEEE India Council
will deliver the Welcome Address*



Time: 09:30 AM

INNOVATE TO INSPIRE

Venue: Convention Centre



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Dr. Sainarayanan Gopalakrishnan

Global Technology Director, HCLTech
*has kindly consented to be the Chief Guest and to deliver the
Valedictory Address*

Dr. K. Sundararaman

CEO, Sri Krishna Institutions
will deliver the Special Address



Dr. K. Porkumaran

Principal & Senior Professor, Sri Krishna College of Engineering and Technology,
Chair IEEE Madras Section (2022-2024)
Vice Chair, Sustainable Development Activities, IEEE India Council
will deliver the Special Address

Time: 04:00 PM

Venue: Convention Centre

INNOVATE TO INSPIRE

KEYNOTE SPEAKERS



Prof. Dr. AROKIASWAMI ALPHONES

School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore

Title: Advancements in Microwave Photonics and 6G Systems

Dr. A. Alphones received his B.Tech. from Madras Institute of Technology, M.Tech. from IIT Kharagpur, and Ph.D. from Kyoto Institute of Technology, Japan. He is currently with the School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore, with over 40 years of research experience and 350+ publications. His research focuses on microwave photonics, visible light communication, metamaterial antennas, THz transceivers for 6G, and wireless power transfer. He has chaired major IEEE conferences such as APMC and TENCON and served as Chairman of the IEEE Singapore Section. He is a Senior IEEE Member, Singapore representative of IEICE (Japan), and serves on IEEE conference committees.



Dr. PAVENTHAN ARUMUGAM

Senior Director (R&D) & Scientist G, ERNET India, MEITY, Government of India

Title: Quantum Key Distribution (QKD): Overview and Network Deployments

Dr. Paventhan Arumugam is Senior Director (R&D) and Scientist G at ERNET India, Ministry of Electronics & IT, Government of India. With over 30 years of experience in networking and communication technologies, he has contributed extensively to India's digital and research infrastructure. He began his career at the National Informatics Centre (NIC) and later served at C-DAC, leading national technology initiatives. He was also a researcher at the Rutherford Appleton Laboratory, UK. His work focuses on advanced networking, research collaboration, and innovation in communication technologies.



Dr. ARUN K CHOUDHARY

Deputy Director & Scientist C, Ministry of New and Renewable Energy, Government of India

Title: Transforming India's Energy Transition: Technological Innovation and Policy Interventions for Sustainability

Dr. Arun Kumar Choudhary is a Scientist/Deputy Director at the Ministry of New & Renewable Energy (MNRE), Government of India, New Delhi. He holds a B.Tech. in Electrical Engineering from AKTU Lucknow and an M.Tech. in Power Electronics & Drives from MMMUT Gorakhpur. A multi-time GATE qualifier, his expertise covers renewable energy forecasting, low-carbon technologies, and energy policy. He has contributed to hydrogen-fuelled e-bike technology transfer, patents, and industrial design registrations. A Fellow of IETE and Senior IEEE Member, his research focuses on AI/ML in energy analytics and sustainable systems. He currently works on Energy Storage, E-Mobility, Circular Economy, and national policy initiatives for sustainable energy development.

KEYNOTE SPEAKERS



AP.Ts. Dr. RAMANI KANNAN

Associate Professor & PG Programme Leader, Universiti Teknologi PETRONAS, Malaysia

Title: Powering the Future: Intelligent Battery Management Systems for a Resilient and Sustainable Grid

Dr. Ramani Kannan (Senior Member, IEEE) is an Associate Professor and Postgraduate Programme Leader at Universiti Teknologi PETRONAS (UTP), Malaysia. He holds a B.E. from Bharathiyar University and an M.E. and Ph.D. in Power Electronics and Drives from Anna University. A Chartered Engineer (UK) and Professional Technologist (Malaysia), he has served as Chair of the IEEE Power Electronics Society, Malaysia (2022–2024). He has led several IEEE conferences, including PEDS 2025 and PECon 2026. Dr. Ramani is an Associate Editor for IEEE Access and IET Journal of Engineering and serves as Guest Editor for leading journals. His research focuses on power electronics, smart grids, and intelligent energy systems.



Dr. Sainarayanan Gopalakrishnan

Global Technology Director, HCLTech

Title: Research Opportunities in AI Computation

Dr. G. Sainarayanan earned his Ph.D. in Image Processing in 2003, holds a Master's in Law with a specialization on Intellectual Property Rights, and has completed an executive program in Advanced Strategy Management from the Indian Institute of Management (IIM). With 74 granted patents in computer vision and machine learning, he has also published 125 technical works, including books, book chapters, and papers in international journals and conference proceedings. Dr. Sainarayanan brings 25 years of experience spanning academia, research, and industry. He currently serves as Global Technology Director in the Engineering and Research Services division at HCL Technologies Ltd. He is a senior member of IEEE and an Executive Committee member of the IEEE Signal Processing Society (Madras Chapter).





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