

Special Session - International Conference on Smart Technologies for Smart Nations (IEEE SmartTechCon - 2023)

- 1. Title of the Special Session:** Sustainable Practices for Green Energy and Digital Technology
- 2. The objective of the Special Session:** Sustainable Practices for Green Energy such as solar, wind, geothermal, biogas, organic batteries, green chemistry, green fuels, regenerative design, and numerous other endeavours that improves life on Earth and protect it's in the long run. In systems such as Hybrid systems, electric vehicles, ecological audits and energy conservation practices are the need of the hour. The Sustainable Development promoting climatic equilibrium by advancements in digital technology. Through renewable energy and digital technology, sustainable development and climate change are addressed. Investigating the issues and opportunities of the sectors to identify best practises, policies, and strategies to facilitate the transition to a more sustainable energy system. The special session invites original research articles, review paper, experimental results, theoretical study and simulation setup on recent advances in sustainable green energy practices
- 3. Topics of the Session:** (Topics included but are not limited to)
 - Green Energy and Digital Technology: Synergies for Sustainable Practices
 - Digitalization of Green Energy: Opportunities and Challenges for Sustainable Practices
 - Actions for Bioenergy and Biofuels: A Sustainable Shift
 - Solar Thermal Energy and Photovoltaic Systems
 - Explainable Artificial Intelligence for Sustainable Energy Systems
 - Advanced Battery Thermal Management Solution for Electric Vehicles
 - Catalysis for Sustainable Biofuels and Energy
 - Advanced Operation, Control, and Planning of Intelligent Energy Systems
 - Design Strategies for Battery Energy Storage and Electric Vehicles to Promote Circular Economy
 - Smart Electric Energy in Buildings
 - Bio inspired algorithms to Sustainable Energy development
 - Smart Solutions for a Sustainable Future: Green Energy and Digital Technology
- 4. Proposer full name and affiliation:**
 1. Dr. Vandana Sharma, Amity Institute of Information Technology, Amity University, Noida, Uttar Pradesh, India
 2. Prof. Azween Bin Abdullah, Professor and Dean of Computing, Perdana University, Malaysia
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