



MERCon 2023 Special Session on
‘Electric Mobility’: Embracing and
Exploring the Advances in Electric Mobility

Moratuwa Engineering Research Conference 2023 (MERCon 2023) is the 9th International Conference organized by the Engineering Research Unit, University of Moratuwa, Sri Lanka to be held from the 9th to 11th November 2023. The special session “Electric Mobility’: Embracing and Exploring the Advances in Electric Mobility’ aims to provide a comprehensive overview of the various aspects of electric mobility, from technological advancements to environmental sustainability, and their potential to reshape our future. During this session, presenters, experts, and invited speakers will share their knowledge and experiences, discussing the latest trends, innovations, and challenges in the field of electric mobility including the significant advantages of electric vehicles, such as reduced emissions, enhanced energy efficiency, and improved air quality, amongst many others contributing to a greener and cleaner future.

Whether the participants are industry professionals, environmental enthusiasts, or simply curious about the future of transportation, this session on electric mobility will provide them with a comprehensive understanding of the latest developments, challenges, and opportunities in this exciting field. The session aspires to give a sharp focus on the Sri Lankan Electric Mobility scenario.

This is an excellent opportunity to present and publish your findings where **all accepted and presented full papers are to be submitted for publication to the IEEE Xplore**. This special session will consider original research papers and reviews including, **but not limited to:**

- Electric vehicle (EV) technology advancements
- Battery technologies and Charging infrastructure for EVs
- Energy management and optimization for EVs
- Electric vehicle-grid integration and smart charging
- Environmental impact and sustainability of electric mobility
- Policy and regulatory frameworks for promoting electric mobility
- Electrification of public transportation systems (e.g., buses, trams, trains)

For further guidance on submission and details: Please use the following link - <https://mercon.uom.lk/>

Organizers: Centre for Intelligent Transport Systems (CITS), University of Moratuwa, Sri Lanka.

- Prof. J.M.S.J. Bandara (Senior Professor, Dept. of Civil Engineering, University of Moratuwa)
- Dr. A. G. T. Sugathapala (Senior Lecturer, Dept. of Mechanical Engineering, University of Moratuwa)

For further details, information, and interest in collaboration, please contact Mr. T. Thilakshan (Dept. of Civil Engineering, University of Moratuwa) at thilakshant.21@uom.lk | +94777527175