



WEMDCD 2025 Call for papers.

The 7th edition of IEEE Workshop on Electrical Machine Design, Control and Diagnostics – WEMDCD – will be held in Valletta, Malta, on 9th-10th April 2025, and organized in collaboration between the Department of Electrical Engineering of the University of Malta and the Department of Engineering “Enzo Ferrari” (DIEF) of the University of Modena and Reggio Emilia. WEMDCD is an international event sponsored by IEEE-IES Industrial Electronics Society and co-sponsored by IEEE-IAS Industry Applications Society.

The aim of the conference is to give an insight into emerging new techniques related to electrical machines, drives and their applications. Considering the electrical revolution which is currently on-going in transportation, the 2025 WEMDCD 7th edition will bring cutting edge technologies into the world of automotive, aviation and naval industries, allowing for enhanced exchanges between academia and industrial partners.

These will include papers related, but not limited, to the following topics:

- Electrical Machine Design and Modelling
- Electrical Drives and their Control
- Electrical Drives Reliability and Monitoring
- Sustainable Machines and Drives for Industrial and Transport Applications

Further information on the submission of papers will be issued in due course.

Regular Papers

Interested participants are to submit a provisional version of full paper in English, using the guidelines that will be issued on the submission portal. The conference proceedings will be submitted to the IEEE Xplore Digital Library®. The Conference Technical Program Committee will select 20% of the papers presented at the conference, which will be eligible for further review to be published in the Industry Applications Society IEEE-IAS periodicals. Extended version of presented papers, which include new materials as defined by the IEEE PSPB Operations Manual, can also be accepted for revision by the IEEE Open Journal of the Industrial Electronics Society.

Venue

The University of Malta - Valletta Campus is located at the heart of the capital city. Formerly the seat of the very first university in Malta, nowadays it serves as a centre for conferences and events. The historic venue has been equipped with the latest technological equipment to provide the best service to both organizers and participants.

Key Dates:

- Submission of papers opens: **15 September 2024**
- Submission of papers closes: **15 December 2024**
- Notification of acceptance: **14 February 2025**
- Deadline for uploading final full papers and conference forms: **14 March 2025**

General Co-Chairs:

Michael Galea, Malta
Stefano Nuzzo, Italy

Contact information: wemdc2025@um.edu.mt