

Special Compendium on the 2025 IEEE 7th International Conference on DC Microgrids (ICDCM2025)

Deadline for Manuscript Submissions: December 31, 2025
Scheduled Publication Time: August 2026

Papers that show the latest advancements in dc grid technologies and applications are welcome for this special compendium. The scope encompasses aspects of power electronics, system architectures, controls, protection, intelligent system management, energy storage, and ac grid interfaces that are unique to dc microgrids. Topics of interest include, but are not limited to:

- Low- and medium-voltage dc grids and utility services
- Low- and medium-voltage dc infrastructure for residential, commercial, and industrial sectors
- Low- and medium-voltage dc charging of light and heavy vehicles
- Off-grid microgrids
- Low-cost technologies for community microgrids
- Distributed energy resources in dc microgrids
- DC interfaces for energy storage
- Modeling, stability, control, and optimization of dc systems
- Reliable, resilient, and reconfigurable dc systems
- EMI and power quality in dc systems
- Grounding and human safety issues unique to dc systems
- Fault detection and protection
- Standards and policies for dc equipment and systems
- New technologies for managing dc microgrids
- New equipment and devices for dc systems
- Converters for interlinking dc with ac systems and multiport systems
- Other novel topics relevant to dc microgrids

We will accept selected full journal article versions of already accepted papers at the IEEE 7th International Conference on DC Microgrids (ICDCM2025). A paper submission is still expected to include a literature review to establish its relationship to prior work, and present sufficient results to prove the validity and viability of proposed concepts.

All manuscripts must be submitted through Manuscript Central at <https://mc.manuscriptcentral.com/oj-pel>. Submissions must be marked “ICDCM 2025 Special Compendium” on the cover page. When uploading your paper, please select the corresponding manuscript type for the special compendium. Please refer to <https://www.ieee-pels.org/> for general information about submitting through Manuscript Central.

Guest Editors	Guest Associate Editors	Proposed Timeline
Dmitri Vinnikov , TalTech, Estonia Alon Kuperman , Ben-Gurion University of the Negev, Israel	Pavol Bauer , TU Delft, The Netherlands Bernd Wunder , Fraunhofer IISB, Germany Tomislav Dragicevic , Technical University of Denmark, Denmark Tommaso Caldognetto , University of Padova, Italy Qianwen Xu , KTH Royal Institute of Technology, Sweden Satish Naik , Indian Institute of Technology Dharwad, India Andrii Chub , TalTech, Estonia	31.12.25: Submission deadline (extended) 01.02.26: 1 st round notification 01.03.26: Deadline for revision 01.04.26: 2 nd round notification 01.06.26: Forwarded to IEEE for publication 01.08.26: Articles in OJ-PEL