

8th IEEE Workshop on Electrical Machines Design, Control and Diagnosis

WEMDCD 2027

1-2 April 2027, Pisa - Italy

Sponsor & Patron

IEEE - IES
UniPisa - DESTEC

Organizers

- **General Chairs**
  P. Bolognesi
  L. Papini
- **Committee Chairs**
  - **Local & Treasurer**
    G. Devito
  - **Technical Program**
    M. Galea
  - **Publication**
    S. Vaschetto
  - **Awards**
    S. Nuzzo
  - **Publicity**
    G.A. Capolino
  - **Steering**
    S. Nuzzo

Scope of the Conference

Design, Optimization and Manufacturing of Electrical Machines

- *Innovative machine structures*
- *Advanced modelling, design and optimization methodologies*
- *Innovative manufacturing and testing techniques*

Control of Electrical Machines and Drives

- *Innovative control strategies and drive structures*
- *Advanced control techniques: model predictive, sensorless, etc.*
- *Sensitivity issues and uncertainty management*

Reliability, Diagnosis and Fault Management in Electrical Machines and Drives

- *Innovative solutions for increasing reliability at machine and drive level*
- *Advanced diagnosis and prognosis techniques*
- *Fault management strategies*

Applications of Electrical Machines and Drives

- *Innovative and advanced applications in any relevant field, including energy, industry, transportation etc.*
- *Special attention to the industrial perspective and to projects having a significant practical impact*

Call for Papers

- The **Conference Proceedings will be published by IEEE in the Xplore database** and thus indexed in Scopus etc.
- **Prospective Authors are welcome to submit their work as 5-7 pages long Provisional Full Papers** in IEEE format
- Submissions will be blind **peer-reviewed** and **checked for originality, plagiarism and self-citation limits**
- Only the Papers accepted after peer review, finalized, covered by registration and actually presented at the Conference will be included in the Proceedings

Deadlines

- ***Submissions:***
  1 October - 20 December 2026
- ***Reviews Outcome:***
  14 February 2027
- ***Final Papers:***
  15 February - 28 February 2027
- ***Covering Registrations:***
  7 March 2027

Venue

The **Conference will be held in Pisa**, a university and touristic city in Italy, at **Congress Centre "Le Benedettine"**

Connections

Pisa is very easy to reach by flight, train, car etc. having its own airport, stations, access to highways

Attractions

Pisa is a nice historical city boasting **world-famous monuments** such as the ***Leaning Tower***; the whole **Tuscany** region offers **lots of historical, artistic and environmental attractions**







Side Events

- ***Pre-Conference on 31 March 2027***
  Workshop focused on **applications** and **networking** in collaboration with the **industrial sponsors**
- ***Welcome Party***
- ***Social Dinner***
- ***City Tour***
- ***Museum Visit***

wemdcd2027.eu
info@wemdcd2027.eu