VENUE

The Italian city selected to host Compumag 2025 is Naples, one of the most ancient Italian towns. Naples is full of history, dating back to Roman Empire (whose ruins are visible in Pompei and Ercolano like nowhere else in the world) until more recent arts and culture flourishing in the 21st century. Natural landscapes surrounding the city present breathtaking views, including the Vesuvius volcano, the Amalfi and Sorrento Coasts, and the islands of Capri and Ischia. Naples is a large town, and as such full of life and tourism. It is becoming more and more hospitable to foreigners, as reported in many independent sites dedicated to travel. The venue is in a pedestrian area in the heart of Naples, in front of the fishermen's harbor, Santa Lucia. The area is a lively part of the city, full of life, and forbidden to vehicle traffic.

CONNECTIONS

Regional airport: Naples Capodichino (NAP), Intercontinental hub: Rome Fiumicino (FCO)

INFORMATIONS AND CONTACT

Email: secretariat@compumag2025.com
Website: www.compumag2025.com
Location: Hotel Royal Continental, Via Partenope, 38, Napoli (Italy)

WELCOME!

COMPUMAG 2025, the 25th International Conference on the Computation of Electromagnetic Fields, will be held in Naples, Italy, from June 22 to 26, 2025. It is co-organized by 9 teams from the Italian community of Computational Electromagnetics. The conference venue is the Hotel Royal Continental, located in the heart of Naples.

Since its creation in 1976, COMPUMAG has been one of the most important events in the field of computational electromagnetics for researchers all over the world to present their latest research advances, to share professional experiences, to exchange new ideas and to expand their professional networks.

Following this well-established tradition, the aim of COMPUMAG 2025 is to discuss recent developments and practical applications in the numerical computation of electromagnetic fields for engineers and physicists engaged in the design and analysis of electromagnetic devices and systems. Reflecting the new trends and rapid progress in the field of topics listed inside, authors worldwide are invited to submit original and previously unpublished contributions. With your valuable contribution and active participation, we believe that you will benefit from the excellent quality of technical presentations, have fruitful discussions, experience pleasant moments by meeting friends and establishing new scientific relationships, and have an enjoyable stay in Naples.
CONFERENCES ORGANIZERS

General Chair: Alessandro Formisano  
Co-Chairs: Sami Barmada, Maurizio Repetto  
Scientific: Guido Alia, Piergiorgio Alotta,  
secretariat: Ermanno Cardelli, Luca Di Rienzo  
Chair of Local: Massimiliano d’Aquino  
Organizing Committee:

CONFERENCE EDITORIAL BOARD CHAIRS

Chair: Zhuxiang Ren (Sorbonne Unv., France)  
Co-chair: Paolo Di Barba (Univ. of Pavia, Italy)

EXHIBITION & ROUND TABLES

Exhibitions and other events on computational electromagnetics software, AI and VR tools, and scientific instruments for electromagnetic testing and validation will be held during the Conference. The objective is to give the participants the opportunity to be acquainted with the latest innovations offered by state-of-the-art products available on the market. Potential exhibitors are cordially asked to contact the organizer for further information or refer to the COMPUMAG2025 website providing the details of the different events.

YOUNG RESEARCHERS OPPORTUNITIES

The COMPUMAG 2025 intends to encourage participation of Ph. D. students or young scientists and to promote the presentation of outstanding papers submitted by students, especially those affiliated with institutions having limited financial means. For this reason, a number of students will be sponsored by free participation or by significantly reduced registration fees. Depending on the quality of the submitted short papers, up to 10 student participants are planned to be sponsored. In addition, the Rita Trowbridge award will be assigned as an appreciation to the best poster or oral presentation from a young researcher.

INTERNATIONAL COMPUMAG SOCIETY BOARD

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IMPORTANT DATES

Submission of digest (2-page):  
December 21, 2024  
Notification of acceptance:  
March 15, 2025  
Early bird registration:  
May 1, 2025  
Final date for paper registration:  
June 22, 2025  
Submission of extended paper for IEEE TMAG publication:  
July 10, 2025

TOPICS

1. AI and machine learning technologies.  
2. Bio-Electromagnetic Computation  
3. Education  
4. Electromagnetic Compatibility  
5. Electromagnetic Sensors, Sensing and Metrology  
6. Material Modelling  
7. Mathematical Modelling and Formulations  
8. Multi-Physics and Coupled Problems  
9. Multi-Scale Modelling and Homogenization  
10. Nano-Electromagnetic Computation  
11. Novel Computational Methods for Machines and Devices  
12. Numerical Techniques  
13. Optimization and Design  
14. Photonics and Optoelectronics  
15. Quantum and quantum-inspired computing in electromagnetics.

SOFTWARE METHODLOGY

16. Static and Quasi-Static Fields  
17. Wave Propagation

PAPER SUBMISSION

Authors are required to submit the 2-page short paper in Microsoft Word, Adobe PDF or LaTeX format via the Conftool online submission system at: https://www.conftool.com/compumag2025

Sample Template and more detailed information will be made available on the conference website: http://www.compumag2025.com

Please note that the 2-page short paper submission deadline is December, 21st 2024. The authors of the accepted short papers will be invited to present their research work at the COMPUMAG 2025 by oral or poster presentations, and to submit full papers for possible publication in an issue of IEEE Transactions on Magnetics through the peer-reviewing process.