



# CEFC2026

7-10 JUNE 2026 THESSALONIKI, GREECE

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## Welcome to CEFC 2026

The 22nd Biennial IEEE Conference on Electromagnetic Field Computation (IEEE CEFC 2026) will be held in Thessaloniki, Greece from 7 to 10 June, 2026.

IEEE CEFC is one of the most important scientific and technical events in computational electromagnetics and related fields. Its aim is to present the latest developments in modeling and simulation methodologies for the analysis of electromagnetic fields and wave interactions.

Application emphasis is on computer-aided design of low and high frequency devices, components, and systems. Scientists and engineers worldwide are invited to submit original contributions in areas related to Static and Quasi-static Fields, Wave Propagation, Material Modeling, Coupled Problems, Numerical Techniques, Optimization and Design, Software Methodology, Nanomagnetics, Nanophotonics, Bioelectric Field Computation as well as Devices, Applications, and education.

### The conference will feature oral and poster presentations.

All accepted 2-page Digests will be published as part of the conference records in IEEE Xplore Digital Library. Authors are also invited to submit an extended 4- page version for peer review. Selected papers, based on reviews, will be published either on IEEE Transactions on Magnetics or included in IEEE Xplore Digital Library as conference proceedings. No additional fee is requested in either case. Full papers will need to be submitted at IEEE Manuscript Central site as authors of accepted Digests will be directed.

## Topics

- **Static and Quasi-static Fields:** Electrostatics, Magnetostatics, Eddy Currents.
- **Wave Propagation:** Scattering, Radiation, Microwaves, Antennas, Waveguide, FDTD Methods, Integral Methods, TLM.
- **Electromagnetic Compatibility:** Emission and immunity, Absorption materials, Computational methods, High power electromagnetics, ESD, Crosstalk, Shielding, Wired & wireless communications, EMC management, PCB, Signal integrity.
- **Material Modeling:** Magnetic materials, Superconducting Materials, Composite Materials, Metamaterials, Intelligent Reconfigurable Surfaces (IRS), Graphene applications, Hysteresis and Anisotropy, Permanent Magnets, Magnetostrictive or Piezoelectric Materials, Microwave Absorbing Materials, Ab-initio Quantum Mechanical Modeling, Nondestructive Testing.
- **Coupled Problems:** Mechanical Problems, Plasma problems, Electric Circuits, Thermal Problems.
- **Numerical Techniques:** Computational electromagnetics, High-frequency and asymptotic methods, FEM methods, Finite volumes, spectral methods, discontinuous Galerkin methods, meshless methods, Nonlinear Problems, Parallel and Distributed Computing, Methods for solving large systems, Multiscale Modeling, Uncertainty Quantification and Sensitivity Analysis.
- **Optimization and Design:** Shape and Topological Optimization, Stochastic and Hybrid Techniques, Multi-Objective and Multi-Level Optimization, Robust Optimization under Uncertainty, Inverse Problems, Sensitivity Analysis, Deterministic Methods.
- **Machine Learning applied to electromagnetics:** Data-driven methods, Digital Twins, Supervised and Unsupervised Learning, Deep learning methods, Artificial Intelligence and Expert Systems, Neural Networks.
- **Software Methodology:** Software Design, Software Engineering and Software Quality, Computer Graphics and Data Representation, Human-Machine Interface.
- **Nanomagnetics:** Spintronics, Nanomagnetics Modeling, Magnetic Recording, MRAM, Micromagnetics.
- **Photonics:** Nanophotonics, Plasmonics, Metasurfaces, Microwave and THz photonics, Electro-optics and Semiconductor photonics, Non-linear and 2D-material photonics, Computational photonics and Inverse design, imaging and spectroscopy.
- **Bioelectromagnetic Fields Computation:** Numerical Approximation, Geometric Modeling and Scientific Visualization (Human Body), Integrated Software Environments, Biomedical Signal Processing, Biomedical devices.
- **Devices and Applications:** Electric Machines and Drives, Induction Heating, Power Electronics Devices, MEMS, NEMS, Wireless power transfer, Charged Particles Trajectories, Accelerators, Electromagnetic Launchers, Fusion Machines, Microsystems, Others.
- **Education**

## Important Dates

PAPER SUBMISSION DEADLINE	NOVEMBER 30, 2025
NOTIFICATION OF ACCEPTANCE	FEBRUARY 15, 2026
EARLY REGISTRATION	MARCH 1, 2026
FINAL PAPER	JULY 15, 2026