



TALLINN

Tallinn, Estonia's vibrant capital, is a city where centuries of history meet modern innovation. Its beautifully preserved UNESCO World Heritage-listed Old Town invites visitors to wander cobblestone streets lined with medieval merchant houses, ancient churches, and the impressive city wall. Once a key trading hub of the Hanseatic League, Tallinn still exudes a unique old-world charm while embracing a forward-looking spirit as one of Europe's most dynamic digital capitals. With its blend of rich heritage, cultural landmarks, and lively modern scene, Tallinn offers conference guests an inspiring backdrop that seamlessly connects the past with the present.



VENUE

Park Inn by Radisson Meriton Conference & Spa Hotel Tallinn offers a perfect blend of modern comfort and professional facilities in the heart of Estonia's capital. Just steps from the historic Old Town, the hotel features versatile conference spaces equipped with the latest technology, making it an ideal venue for meetings, seminars, and large-scale events. Attendees can enjoy stylish accommodations, a wide selection of dining options, and access to an extensive spa and wellness center, providing the perfect balance between productivity and relaxation. Its central location and excellent amenities ensure a memorable and seamless event experience for all participants.



**TAL
TECH**

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Aalto University



ANNOUNCEMENT AND FIRST CALL OF PAPERS

EPNC 2026

XXIX SYMPOSIUM
ELECTROMAGNETIC PHENOMENA IN
NONLINEAR CIRCUITS

June 16 – June 19, 2026
Tallinn, Estonia

SCOPE

The aim of the Symposium EPNC 2026 is to present the recent advances in the analysis, synthesis, optimization and inverse problems in nonlinear electromagnetics. The symposium provides a forum for discussion on applications of nonlinear phenomena in electrical engineering by field and circuit methods.

ORGANIZED BY

Tallinn University of Technology (Estonia)

Department of Electrical Power Engineering and Mechatronics

Aalto University (Finland)

Department of Electrical Engineering and Automation

Poznan University of Technology (Poland)

Faculty of Control, Robotics and Electrical Engineering

ORGANIZING COMMITTEE

- **Dr. Ants Kallaste** (Conference Chair)
- **Dr. Anouar Belahcen** (Conference Co-chair)
- **Dr. Toomas Vaimann** (Technical Program Chair)
- **Dr. Anton Rassõlkin** (Publication Chair)
- **Dr. Hadi Ashraf Raja** (Special Session Chair)
- **Dr. Konrad Górny** (Technical Support)

SCHEDULE

February 18, 2026	Submission of 2-page papers
March 31, 2026	Final acceptance of 2-page papers
April 30, 2026	Final date for early registration
June 16-19, 2026	Symposium Days
July 01, 2026	Submission of the extended papers

TOPICS



Nonlinear Coupled Electromagnetic Phenomena

- Numerical methods and Formulations
- Multiphysics and Coupled Problems
- New trends in Electromagnetics



Nonlinear Devices and Systems

- Modelling and Control of Power Electronic Devices and Converters
- Nonlinear Elements in Electrical Machines and Drives



Electromagnetics for Energy

- Magnetic Materials and Passive Components for Power Electronics
- Wireless Power Transfer
- Renewable Energy Systems
- Energy Storage



Bioelectromagnetics

- Modelling of biological interactions with electromagnetic fields
- Human Exposure Modelling and Measurements
- Electromagnetic Aspects in Medical Imaging
- Therapeutic application of electromagnetic fields



Nonlinear Optics and Wave Propagation

- Nonlinear Optical Phenomena and Devices
- Modelling of Nonlinear Space-Time Electrodynamics
- Modelling of Nonlinearities in Optical Waveguides



Additive Manufacturing for Electromagnetic Systems

- Magnetic Materials
- Conductive Materials
- Power Electronic Components
- Electrical Machines

SUBMISSION OF PAPERS

Only original and unpublished papers will be presented at the Symposium. English will be the official language. The length of the papers is limited to 2 pages. All papers accepted for presentation will be published in the Symposium proceedings. **Prospective authors are kindly invited to submit 2-page papers before February 18, 2026**, in PDF format, directly by submission link at the conference website. The instruction for the preparation of paper is available on the symposium website. The manuscripts will be evaluated by reviewers.

EXTENDED PAPERS

The extended version of the selected papers will be published in a Special Issue of **COMPEL** 'The International Journal for Computation and Mathematics in Electrical and Electronic Engineering' Emerald, Bradford; the **Archives of Electrical Engineering** (AEE) journal and in the **Proceedings of Estonian Academy of Sciences**. The authors of accepted papers are invited to submit their extended papers by July 01, 2026.

Up to 30 papers in their extended version, prepared according to COMPEL editorial rules will be included in a Special Issue of COMPEL. Furthermore 20 papers will be published in the AEE journal. The extended versions will be subject to additional reviewing process.

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