

ICHQP 2022

20th International Conference
on Harmonics and Quality of Power
Naples, Italy, May 29th - June 1st 2022

CALL FOR PAPERS



The ICHQP Technical Program Committee warmly invites you to submit a paper for the 20th Edition to be held in Naples, Italy.

ICHQP is one of the premier international conferences in the field of electrical power engineering and the only IEEE PES conference dedicated to the area of power quality. The conference presents academic and industrial work of technical excellence at the forefront of power quality research and practical developments. The 20th ICHQP will continue this tradition, providing an excellent opportunity for individuals from academia and industry working in the area of power quality to come together to share and exchange ideas.

The theme of the 20th ICHQP is “**Power Quality in the Energy Transition**”.

The conference scope covers topics in power quality including, but not limited to:

- Power Quality Analysis
- Power Quality Mitigation Technologies
- Distribution System Planning for Power Quality
- Power Quality Monitoring /Reporting Methodologies and Indices
- Power Quality State Estimation
- Impacts on Systems and Equipment
- Power Quality Standards
- Equipment Power Quality Immunity
- Transients – Propagation, Measurements and Modelling
- Harmonic Generation and Propagation
- Interharmonics and other Non-Harmonic Distortion
- Power Quality Case Studies
- Probabilistic Aspects of Power Quality
- Economic Impacts and Management of Power Quality
- Renewable/Distributed Generation and Power Quality
- Smart Grid Technologies for Power Quality
- Time-Varying Harmonics
- Light Flicker and Voltage Fluctuations
- High Frequency Distortion in the range 9-150 kHz
- Power Quality in Liberalized Energy Markets
- Power Quality in E-mobility Infrastructures
- Lightning-induced Power Quality Issues
- Power Quality and Reliability
- Power Quality Data Analytics
- Forecasting Techniques Applied to Power Quality

Venue

The 20th ICHQP will be held in the beautiful southern Italian city of Naples. The conference is technically co-sponsored by the IEEE Power and Energy Society, the IEEE Italy Section PE Chapter and EnSiEL, the Italian National Inter-Universities Consortium – Energy and Electrical Power Systems, and hosted by the three Neapolitan Universities: University of Naples “Federico II”, University of Campania “Luigi Vanvitelli”, and University of Naples “Parthenope”.



Conference General Chair

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International Steering Committee

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Conference Website

<http://www.ichqp2022.org/>

Important Dates

01/06/21	Tutorial, Panel and Special Session proposal submission opens
30/07/21	Tutorial, Panel and Special Session proposal submission deadline
01/09/21	Tutorial, Panel and Special Session proposal decision notification
01/09/21	Paper submission opens
15/11/21	Paper submission deadline
30/01/22	Paper decision notification
01/03/22	Final paper submission

Submit a Research Paper

Prospective Authors are invited to submit original unpublished manuscripts, including a complete description of the proposed technical contribution along with results, on any topic within the conference scope. All papers will be subject to a single-blind peer-review process, and will be reviewed in terms of relevance, originality and quality of the technical content, overall organization and writing style.

The following general protocols apply:

- **Template:** Paper must be prepared using the IEEE PES conference paper template.
- **Page limit:** Papers must not exceed the six-page limit (including all text, footnotes, figures, tables and appendices).
- **Language:** English.
- **File format:** Single PDF file (limited to 6 MB).
- **Mode of submission:** The paper must be uploaded using the **Paper Submission** system on the conference website.
- **Publication:** Papers must be presented at the conference to be included in the proceedings archived on IEEE Xplore

Presentation of IEEE PES Transactions Papers

A limited number of recently accepted IEEE PES Transaction papers will be considered for presentation in ordinary or special sessions of the conference.

Special Section of the IEEE Open Access Journal of Power and Energy: "Power Quality in the Energy Transition: Selected Papers from ICHQP 2022"

A selection of presented papers will be invited to be resubmitted as a technically extended version for consideration in a Special Section of the IEEE Open Access Journal of Power and Energy (OAJPE). The IEEE OAJPE is 100% open access, which means that all content is freely available without charge to all users, and allows publication of up to 11.5 pages with no excess page fees. Authors will receive a 25 % contribution, covered by ICHQP 2022, on the article processing fee to be paid after acceptance.

Full details on all of the above are available in the **Authors Section** of the conference website.

Constantin Budeanu Best Paper Award

The ICHQP technical committee will collect a shortlist of papers receiving the highest scores during the review process. The shortlisted papers will be evaluated by the International Steering Committee and the winner of the Constantin Budeanu Best Paper Award will be announced at the conference gala dinner.

Tutorial and Special Sessions

We are pleased to invite proposals for Tutorial Sessions, Panel Sessions and Special Sessions. All details are available at the **Program Section** of the conference website.

Sponsors and Exhibitors

A range of opportunities to sponsor or exhibit at the conference are available to businesses interested in taking part in ICHQP 2022. Please visit the **Sponsorship Section** of the conference website for further details.

Further Information

Contact info@ichqp2022.org or visit the **conference website**.

