



From Planning to Operation: Efficient Assessment of Harmonic Emission from Distorting Installations

King's College London, UK

June 11-12, 2025



Join us in our 1st International Conference on Harmonics and Quality of Power (ICHQP) workshop. Share your experiences and knowledge about harmonic analysis in modern distribution and transmission grids.

www.ichqp-workshop.org

Send your abstract by January 19, 2025





1st ICHQP workshop

From Planning to Operation: Efficient Assessment of Harmonic Emission from Distorting Installations

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In the context of modern distribution and transmission networks network operators face a range of challenges, including the increase of power electronics including inverter-based resources and the impact of increased cabling on harmonic impedance and resonances. Accurate harmonic studies in the context of the connection of distorting installations play an essential role in managing harmonic disturbance levels and ensuring system stability and reliability in all voltage levels.

This industry-academia workshop provides a platform for experts in harmonic analysis - ranging from network operators, manufacturers, consultants and research institutions to standardization bodies - to share their insights from recent projects and explore future challenges and solutions in this evolving field.

Topics:

Harmonics in planning

- Modelling requirements
- Calculation of emission limits
- Implementation of compliance studies
- Specification of Immunity levels
- Selection of mitigation strategies

Harmonics in operation

- Measurement and evaluation concepts and challenges
- Contribution assessment
- Network harmonic impedance
- Validation of mitigation measures and simulation models

Harmonics in standardization

- Activities at CIGRE and IEC
- National rules and standards
- Critical comparisons
- Challenges and difficulties in application
- Updates on summation exponents and transfer coefficients

Case studies

- Practical examples and experiences from harmonic compliance studies
- Results from measurement campaigns related to harmonic emission and disturbance levels

Workshop concept:

- Keynote presentations by recognized experts in the field
- No parallel tracks
- Presentation or poster submissions only (no paper required)
- Dedicated sessions for discussions and networking
- Affordable registration fees
- Evening networking event

Important dates:

- Deadline for abstracts: January 19, 2025
- Notification of acceptance: February 16, 2025
- Registration Early-bird: March 16, 2025
- Workshop: June 11-12, 2025

More information and abstract template:

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