

37th International Conference on Lightning Protection

Welcome to the 37th International Conference on Lightning Protection (ICLP), the premier global event dedicated to advancing the science and technology of lightning protection. We are excited to announce that the ICLP 2024 will be held in the beautiful city of Dresden, Germany.

This conference is an excellent opportunity to meet with the world's leading experts in the field of lightning protection, to discuss the latest research findings, and to learn about new developments in lightning physics and lightning protection technology. Participants will have the opportunity to present their research work, exchange ideas with colleagues, and network with industry professionals. The conference aims to bring together a wide range of experts, while presenting new ideas and inventions to the public.

ICLP 2024 will offer a diverse program of plenary sessions, technical sessions and poster sessions, covering a wide range of topics related to lightning research and lightning protection. Some of the key topics that will be addressed at the conference include lightning protection of structures, lightning measurement and artificial intelligence (AI), lightning protection of power systems, and lightning protection of E-vehicles and charging infrastructure.

In addition to the technical program, ICLP 2024 will also offer a series of social events, providing an opportunity to explore Dresden's rich history and culture, and to network with other conference attendees in a relaxed setting.

We invite lightning protection experts, researchers, engineers, consultants, manufacturer, entrepreneurs, medical lightning specialists, and students from around the world to join us at ICLP 2024 in Dresden, Germany. We look forward to welcoming you to this exciting event and to advancing the science and technology of lightning research and lightning protection together.



Michael Rock, Technical University Ilmenau, *Conference Chairman*

Fridolin Heidler, University of the Federal Armed Forces Munich, *Technical Chairman*

Alexander Kern, University of Applied Sciences Aachen, *Technical Chairman*



Ralph Brocke, Dehn, *Exhibition Chairman*

Gernot Finis, Phoenix Contact, *Exhibition Chairman*

Dear Colleagues and Friends,

On behalf of the ICLP Scientific Committee and its Executive Board, I am delighted and honored to welcome you to the 37th edition of the International Conference on Lightning Protection, ICLP 2024, in Dresden.

We are pleased indeed to see so many high-quality contributions from a large number of countries in the field of lightning protection. It is our duty to sustain this research activity within our institutions, present our significant research results at ICLP, and lay the groundwork for future generations.



I wish to extend my deepest gratitude to the Local Organizing Committee of this Dresden edition. Special thanks to the Conference Chairman, Prof. Michael Rock, for his exceptional service and outstanding dedication, and to the Technical Chairmen, Prof. Fridolin Heidler and Prof. Alexander Kern, for their invaluable contributions to the review process.

All members of the Local Organizing Committee deserve commendation for their dedication and commitment in preparing the Dresden edition of ICLP. A special thanks goes to Nicolas Parisel for his extensive professional work in conference administration. The meticulous attention to detail by all members of the Local Organizing Committee has been crucial to the success we foreseen for this conference. The chosen location, along with the technical and social programmes, reflects their hard work and dedication.

Finally, let me extend my heartfelt gratitude to the members of the Award Committee, of the ICLP Scientific Committee, and of the Executive Board for their invaluable support.

Carlo Alberto Nucci

Chair, ICLP