

Preface

The Abstract Book of the 2024 International PhD School on Perovskite PV encapsulates the intellectual and scholarly endeavors presented at the doctoral school held from April 15 to April 17, 2024, in Freiburg, Germany. Organized jointly by Fraunhofer Institute for Solar Energy Systems (ISE), the University of Cyprus, and Pixel Voltaic, this event served as a focal point for the comprehensive exploration of perovskite solar cells.

Throughout this gathering, PhD students, researchers, and industry players converged to delve into the intricacies of perovskite photovoltaics, addressing critical facets such as carbon-based electrodes, simulation methodologies, life-cycle assessment, tandem photovoltaics utilizing perovskite materials, industrialization hurdles, and stability assessment coupled with outdoor reliability testing.

The PhD School fostered an environment conducive to heated discussions and interdisciplinary exchange, paving the way for novel insights and collaborative initiatives in the field of renewable energy. Participants explored cutting-edge research, innovative methodologies, and emerging trends, ensuring a holistic understanding of the challenges and opportunities inherent in perovskite solar cell technology.

We extend our heartfelt gratitude to all the contributors, including the insightful speakers, tireless organizers, and dedicated participants, whose collective efforts culminated in a vibrant and intellectually enriching experience. Their invaluable contributions will undoubtedly propel the field of perovskite photovoltaics forward, accelerating the global pursuit of sustainable energy solutions.

As we embark on the journey of disseminating the knowledge and insights garnered during this event, we remain committed to fostering collaboration, innovation, and excellence in the field of perovskite solar cells.

Sincerely,

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