

# Preface

The 2026 16th International Conference on Future Environment and Energy (ICFEE 2026) took place successfully from 6-8 March, 2026, in Fukuoka, Japan. Since its inception in 2011, ICFEE has been held annually, establishing itself as a key international platform for presenting groundbreaking and fundamental developments in the fields of Future Environment and Energy. The conference also aims to encourage dialogue among researchers and practitioners from diverse scientific disciplines who share a common interest in advancing techniques related to Future Environment and Energy.

Over the course of three days, the conference program included three keynote speeches, one tutorial talk, 9 invited speeches and 10 onsite sessions, one poster session, and one online session. With approximately 220 submissions received, around 150 participants were confirmed to attend. It is especially encouraging to see such a diverse international presence at this year's event. Our participants come from many countries and regions across the world, including Thailand, the Philippines, China, Taiwan, China, Hong Kong, China, Korea, Japan, Indonesia, Honduras, Malaysia, the United States, Cambodia, Canada, Lebanon, India, Russia, Ireland, Norway, France, Brazil, Germany, Romania, Australia, South Africa, Qatar, the United Arab Emirates, and more.

We are pleased to present the ICFEE 2026 conference proceedings, which bring together a diverse range of research contributions, including pioneering studies and insights from respected researchers, scientists, engineers, and students. To ensure novelty, technical rigor, applicability, clarity, and relevance, each paper underwent a thorough peer-review process. Only the most exceptional and innovative research outcomes have been selected for inclusion in these proceedings. We hope that both conference participants and other interested readers will find significant scientific value in this collection.

Finally, we extend our sincere thanks to all speakers, presenters, and attendees for their valuable contributions to the success of this conference. Your expertise, insights, and enthusiasm were essential to making the event a success. We also gratefully acknowledge the organizing committee, sponsors, and volunteers for their dedication and hard work in making this conference possible.

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