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CONFERENCE PROCEEDINGS

SET 2026

Proceedings of the 22nd International Conference on Sustainable Energy Technologies

Kuala Lumpur, Malaysia. 13 to 15 August 2026.

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PEER REVIEW

Every paper in this volume was peer reviewed double-anonymously through EasyChair by the conference's scientific committee before it was accepted: the reviewers were not told who the authors were, and the authors were not told who the reviewers were. No editor or committee member took part in any decision concerning their own work.

Foreword

It is a pleasure to present the proceedings of the 22nd International Conference on Sustainable Energy Technologies (SET2026), held in Kuala Lumpur, Malaysia, from 13 to 15 August 2026.

The SET conferences, organised by the World Society of Sustainable Energy Technologies, bring together researchers, engineers and practitioners working on the technologies a low-carbon future depends on. SET2026 was co-hosted by Universiti Teknologi MARA and co-organised by the Solar Energy Research Institute of Universiti Kebangsaan Malaysia, the University of Nottingham, Universiti Sains Malaysia, Sunway University, Curtin University and Taylor's University. I thank each of them, and the organising committee, for the work that made the meeting possible.

The papers in this volume are arranged under the conference's five themes: Energy Storage & Conversion; Low-Carbon Buildings; AI & Renewable Systems; Policy & Management; and Urban & Environment. Every paper was peer reviewed double-anonymously through EasyChair before it was accepted, and I am grateful to the members of the scientific committee and to every reviewer who gave their time to that work.

This is the first volume of the SET proceedings to be published by Caravel Press. Each paper has its own DOI and is published open access under the Creative Commons Attribution (CC BY 4.0) licence, so that the work presented in Kuala Lumpur can be found, read and cited freely.

I thank all the authors for their contributions, and I look forward to welcoming you to SET2027 in Shenzhen.

Professor Saffa Riffat
Conference Chair, SET2026, and President of the World Society of Sustainable Energy Technologies

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