Foreword by the Editor-in-Chief

This open-access e-proceedings contains a collection of selected papers from the 7th International Conference and Exhibition on Sustainable Energy and Advanced Materials (ICE-SEAM 2021), which was held virtually on November 23, 2021. The event was co-organized by the Faculty of Mechanical Engineering and the Centre for Advanced Research on Energy of Universiti Teknikal Malaysia Melaka. ICE-SEAM 2021 is also co-organized by Universitas Sebelas Maret in Surakarta, Indonesia.

It was gratifying for all of us when the response for ICE-SEAM 2021 was enormous, with over 120 participants presenting their work from many areas of engineering, energy, materials, and related fields to enhance mutual understanding of fundamentals, theory, and applications. This special edition of proceedings has 17 selected papers that focus on IR4.0, including 3D printing and advanced materials, and how it might impact energy systems in numerous ways for sustainable development, especially during the pandemic COVID19. All articles submitted were peer-reviewed and revised according to the reviewers' comments. This open-access e-proceedings can be viewed or downloaded via www3.utm.edu.my/care/proceedings/iceseam2021. We hope that this proceeding will serve as a valuable reference for researchers.

With a large number of participants, the event has achieved its main objective which is to bring together educators, researchers, and practitioners to share their findings and perhaps sustain the research culture in the university and industry.

As the editor-in-chief, I would like to express our gratitude to the fellow review members for their tireless effort in reviewing the submitted papers for this proceeding. We also would like to say special thanks to all the authors for promptly revising their papers according to the proceeding requirements. Special thanks are extended to the organizer of the ICE-SEAM 2021.

Thank you

Mohd Fadzli Bin Abdollah

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