

# Preface

This Special Issue of *Pertanika Journal of Science and Technology (JST)* features selected papers from the **Symposium on Applied Engineering and Sciences (SAES2023)**, held on 20<sup>th</sup>–21<sup>st</sup> November 2023 at Universiti Putra Malaysia. SAES, an annual conference co-organized by Universiti Putra Malaysia and Kyushu Institute of Technology, Japan, was established in 2013 to promote research exchange and collaboration between the two institutions. Over the years, SAES has become a vibrant platform for researchers from various institutions and disciplines to share innovations, insights, and solutions in applied engineering.

Applied engineering is the practical realization of scientific and engineering principles to solve real-world problems, improve systems, and create technologies that directly benefit society. It encompasses diverse fields such as mechanical, electrical, civil, and chemical engineering, as well as computer science, and emphasizes translating theory into impactful applications.

This special issue, “**Synergizing Innovation and Practicality: Bridging the Gap in Applied Engineering**,” reflects the essence of applied engineering—balancing technological advancement with real-world relevance. It underscores the importance of interdisciplinary collaboration and innovation in addressing complex societal and industrial challenges. Innovation in applied engineering fuels economic development and contributes to sustainability and improving the quality of life.

This issue features nine peer-reviewed papers covering a wide range of topics, including engineering, technology, and computer sciences. Each paper represents a novel contribution that bridges innovation and practicality, aligning with the theme and spirit of SAES.

We sincerely thank all authors, reviewers, and the editorial team for their contributions and commitment to academic excellence. We hope this special issue will inspire further research and collaboration in applied engineering and its many transformative possibilities.

## Guest Editors

Siti Anom Ahmad (Prof. Ir. Dr.)

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