Lecture Notes in Mechanical Engineering

Siti Nadiah Mohd Saffe
Siti Zubaidah Ismail
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Mohammad Osman Tokhi *Editors*

Proceedings of the 7th Asia Pacific Conference on Manufacturing Systems and 6th International Manufacturing Engineering Conference—Volume 1

iMEC-APCOMS 2024, Melaka, Malaysia

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Preface

We are delighted to present the proceedings of the fourth edition of the 6th International Manufacturing Engineering Conference and the 7th Asia-Pacific Conference on Manufacturing System (iMEC-APCOMS 2024), hosted by Universiti Malaysia Pahang Al-Sultan Abdullah through its Faculty of Manufacturing and Mechatronic Engineering Technology. Held on September 11 and 12, 2024, the conference embraced the theme of "Sustainable Development Goals through Innovative Manufacturing Engineering."

iMEC-APCOMS 2024 has attracted a remarkable 99 submissions, all of which underwent a rigorous single-blind review process. Based on the recommendations of our dedicated reviewers, 44 papers were selected for publication in Volume 1 of the conference proceedings. We are immensely grateful to all contributing authors whose research has added great value to this collection. Each paper in this volume was thoughtfully evaluated by our esteemed technical review committee, comprised of leading experts in manufacturing engineering.

The conference served as a vibrant forum for the exchange of pioneering ideas and insights, highlighted by keynote presentations from distinguished speakers, including Prof. Ir. Dr. Nik Mohd Zuki Nik Mohamed (Universiti Malaysia Pahang Al-Sultan Abdullah, Malaysia), Prof. Dr. Cucuk Nur Rosyidi (Universitas Sebelas Maret, Indonesia), and Prof. Dr. Ir. Anas Ma'ruf (Institut Teknologi Bandung, Indonesia).

In closing, we hope that readers find this volume insightful and enriching. Our sincere appreciation goes to Springer Lecture Notes of Mechanical Engineering for their invaluable support in bringing this publication to life. Additionally, we extend our heartfelt thanks to the conference organizers and the dedicated members of the Conference Committee, whose tireless efforts made iMEC-APCOMS 2024 a resounding success.

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Contents