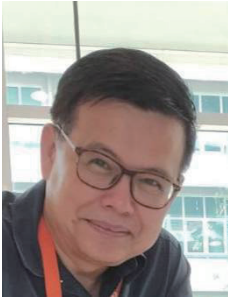


SPECIAL ISSUE ON SENSORS, MATERIALS, AND COMPUTATIONAL INTELLIGENCE ALGORITHMS IN ROBOTICS AND AI ENGINEERING

PREFACE



The era of artificial intelligence (AI) and smart technology has begun. Accordingly, many commercial sensors and materials need to be upgraded to smarter versions. This Special Issue contains interesting papers on sensors, materials, and computational intelligence algorithms in robotics and AI engineering. Half of the papers are extended versions of papers presented at the 7th International Conference on Engineering, Applied Sciences and Technology (ICEAST 2021) held on April 1–3, 2021. The rest were obtained via direct submission.

The papers in this issue can be categorized into three major topics: computational intelligence algorithms, sensors, and materials. The first three papers mainly focus on deep learning (DL), machine learning (ML), AI, and other methods related to computational intelligence algorithms. The others mainly focus on upgrading sensors and materials. The findings reported in these papers will be of interest for readers working in areas of robotics and AI engineering at the levels of components, parts, devices, and systems.

I would like to thank all of the authors for contributing their interesting papers and the dedicated reviewers who spent many hours making constructive suggestions and valuable comments. I also acknowledge the editorial team of *Sensors and Materials* for their encouragement and support in bringing this Special Issue into fruition.

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