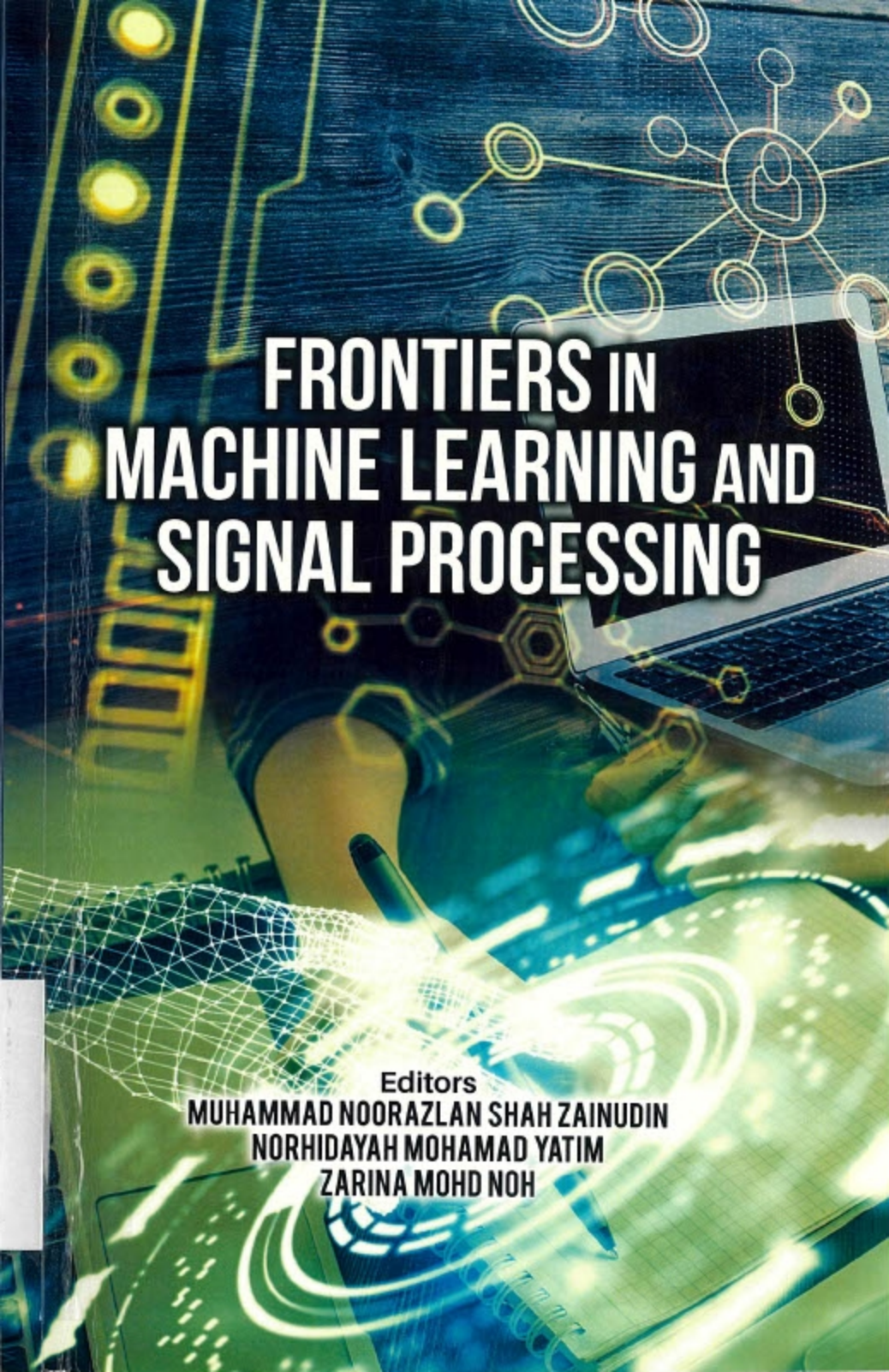
FRONTIERS IN
MACHINE LEARNING AND
SIGNAL PROCESSING
Editors
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FRONTIERS IN MACHINE LEARNING AND SIGNAL PROCESSING

Explore innovations with "Frontiers in Machine Learning and Signal Processing." This insightful collection, gathered from the respected Postgraduate Research and Industrial Colloquium (PRICOL) 2024 at Universiti Teknikal Malaysia Melaka (UTeM), presents valuable research that is influencing industries from healthcare to agriculture.

Engage with diverse topics, including the implementation of machine learning and deep learning models in areas such as WiFi Sensing Enhancements, Crop Disease Detection, ECG Signal Classification, COVID-19 Diagnosis, Breathing Signal Recognition, Robot Mapping and Localization, Milk Freshness Analysis, Semantic Segmentation in Agriculture, and Thermography Analysis for High Voltage Equipment.

Why should you read this book? To gain insights and discover practical applications that address real-world challenges. Stay informed about the latest advancements in these transformative fields. Whether you are a researcher, practitioner, or enthusiast, this book offers valuable knowledge aimed at sharing and spreading the latest developments in machine learning and signal processing. Together let us contribute to the future of innovation.

MUHAMMAD NOORAZLAN SHAH ZAINUDIN is a distinguished lecturer in Faculty of Electronics and Computer Technology and Engineering at Universiti Teknikal Malaysia Melaka. He is holding Bachelor Degree and Master Degree in Computer Science from Universiti Teknologi Malaysia. He holds a PhD in Intelligence Computing from Universiti Putra Malaysia. With over 14 years of teaching experience, he specializes in artificial intelligence, machine learning, object detection and data mining. He has published extensively numbers of journals and conferences, and his research has garnered significant accolades. He is dedicated to advancing the field through innovative research and inspiring the next generation of computer scientists. His editorial prowess has helped numerous authors refine their manuscripts, enhancing the clarity and impact of their work through meticulous editing and insightful feedback. He also engaging commitment to student success making him a respected and influential figure in the academic community.

NORHIDAYAH MOHAMAD YATIM received her Bachelor of Engineering (Coomputer Engineering), cum laude from Vanderbilt University, USA. She completed her Master of Engineering Science specialization in Computer Engineering at University of New South Wales, Australia. She also received her PhD degree in Systems Engineering at Universiti Teknologi MARA (UiTM), Malaysia in 2019. Currently, she holds the position of senior lecturer at the Faculty of Electronic and Computer Technology and Engineering, Universiti Teknikal Malaysia Melaka, (UTeM) where she has been an esteemed member since 2007. Her research portfolio includes state estimation algorithm, robot localization and mapping, and machine learning.

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