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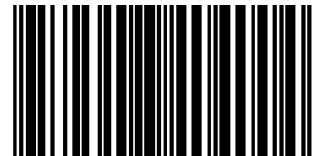
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**BORNEO ENGINEERING & ADVANCED  
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(BEAM)**



**POLITEKNIK MUKAH SARAWAK**

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## **PREFACE**

As the guest editor for the special issue of the Borneo Engineering & Advanced Multidisciplinary International Journal (BEAM) dedicated to the 5th International Conference on Applied Sciences, Information and Technology (ICo-ASCNITech) 2024, it is my distinct pleasure to introduce this collection of innovative research and insights. This issue represents the culmination of rigorous academic inquiry and collaborative efforts from experts across diverse fields, all united by a shared commitment to advancing technology and enhancing our understanding of complex systems.

In today's rapidly evolving technological landscape, the intersection of advanced computing, networking, and information technology plays a pivotal role in addressing global challenges. The contributions featured in this special issue reflect the latest developments in these domains, showcasing pioneering methodologies, emerging trends, and practical applications that have the potential to shape the future.

The papers included in this issue encompass a wide range of topics, from artificial intelligence and machine learning to cybersecurity and network optimization. Each article not only presents original research findings but also engages with the broader implications of these technologies for industry, society, and academia. This diverse array of perspectives enriches our understanding of the multifaceted issues at play and inspires further dialogue and exploration.

I extend my heartfelt gratitude to the authors for their dedication and hard work, to the reviewers for their invaluable feedback, and to the BEAM journal team for their support throughout this process. Together, we have created a resource that not only highlights the latest advancements in technology but also fosters connections and collaborations among researchers and practitioners.

As we move forward into an era defined by rapid technological change, I invite you to engage with the findings presented in this issue. Let us continue to push the boundaries of knowledge and innovation, working together to create a more interconnected and sustainable future.

Sincerely,

Dr. Marriaty Morsin  
Guest Editor, ICo-ASCNITech 2024

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