

Special Session Call for Papers

Title: *AI-Driven Advancements in Emerging Technologies*

Venue: *Asia Pacific University of Technology & Innovation, Kuala Lumpur, Malaysia*

Mode: *Hybrid*

	Session Chair: <i>Assoc. Prof. Dr. Muhammad Ehsan Rana</i> Associate Professor, School of Computing, Asia Pacific University of Technology & Innovation, Malaysia <i>E-mail: muhd_ehsanrana@apu.edu.my</i>
	Session Co-Chair: <i>Dr. Vazeerudeen Abdul Hameed</i> Senior Lecturer, School of Computing, Asia Pacific University of Technology & Innovation, Malaysia <i>E-mail: vazeer@apu.edu.my</i>

Aim and Scope:

The ongoing advancement of Artificial Intelligence (AI) is at the core of innovation in emerging technologies, revolutionizing a wide array of industries and societal structures. As AI technologies continue to mature, they are unlocking new capabilities and driving rapid change across diverse fields, including healthcare, manufacturing, transportation, cybersecurity, environmental sustainability, and beyond. AI is not only enhancing the efficiency of existing systems but is also enabling the creation of entirely new paradigms, transforming how we approach complex problems and shaping the future of technological development.

This special session seeks to explore the profound impact of AI on emerging technologies by bringing together cutting-edge research and practical innovations that demonstrate how AI is enabling the next generation of technological advancements. The session will focus on understanding the role of AI in solving critical challenges in fields such as intelligent automation, predictive analytics, personalized systems, and decision-making frameworks.

The scope of this special session encompasses AI in (but not limited to) the following themes:

-
- | | |
|---|--|
| ➤ Cybersecurity and Privacy | ➤ Quantum Computing |
| ➤ Ethical and Social Implications of AI in Emerging Technologies | ➤ Robotics and Autonomous Systems |
| ➤ Healthcare Technologies | ➤ Smart Manufacturing and Industry 4.0 |
| ➤ Internet of Things (IoT) | ➤ Sustainability and Environmental Monitoring |
| ➤ Natural Language Processing (NLP) and Human-Computer Interaction | ➤ Virtual and Augmented Reality (VR/AR) |
-

We encourage authors to submit papers that discuss theoretical advancements, novel AI techniques, real-world applications, and case studies that highlight the symbiotic relationship between AI and emerging technologies. Papers that explore interdisciplinary approaches and collaborative innovations are particularly welcome.