**The 20th International Conference on**

**Intelligent Information Hiding and Multimedia Signal Processing**

**(IIHMSP-2024)**

October 4-6, 2024, Matsue, Japan

**Special Session on**

**AI Horizons: Exploring Frontiers in Information & Communication Technology**

**Call for Papers**

**Organizers:** Prof. You-Te Lu and Prof. Ding-Chau Wang

"AI Horizons: Exploring Frontiers in Information and Communication Technology" is a special session dedicated to investigating the implications of artificial intelligence (AI) in information and communication technology (ICT). The term "AI Horizons" encapsulates the forward-looking nature of the event, emphasizing the exploration of new possibilities and emerging trends at the forefront of AI research and application. It signifies a journey towards uncharted territories, where the convergence of AI and ICT opens up new horizons of innovation and opportunity. This session aims to delve into cutting-edge developments and challenges in integrating AI with various aspects of ICT. It encompasses a wide range of AI topics, including, but not limited to, AI and Lifelong Learning, robotics, cybersecurity, data analytics, and human-computer interaction. These topics delve deeper into the intersection of AI and education, exploring various applications, challenges, and opportunities for leveraging AI technologies to enhance teaching and learning outcomes.

**Topics of interest include but are not limited to the following:**

1. AI-Powered Personalized Learning Platforms
2. Ethical Considerations in AI Education
3. Augmented Reality (AR) and Virtual Reality (VR) in Education
4. AI-Assisted Assessment and Feedback
5. AI-Enhanced Teacher Professional Development
6. AI and Special Education
7. AI Ethics and Digital Literacy Education
8. AI-Driven Curriculum Design and Adaptive Learning Pathways
9. AI and Lifelong Learning
10. AI Tutoring Systems and Intelligent Learning Assistants

**Submissions:**

Papers should follow the template announced on the IIHMSP-2024 conference website and be submitted via email to session organizer Prof. You-Te Lu at [yowder@stust.edu.tw](mailto:yowder@stust.edu.tw).

**Conference Proceeding Information:**

Papers that are presented orally at the conference and meet the publication requirements of IIHMSP-2024 conference proceedings will be published in Springer's book series titled "Smart Innovation, Systems and Technology". Normally, this series will be indexed by Scopus and EI Compendex.

**Important Dates: (**If IIHMSP-2024 extends the dates, follow those dates announced on the website)

Paper submission deadline: **June 15, 2024**

Acceptance notification: **June 30, 2024**

Camera-ready copy and registration: **July 15, 2024**

**For more information:**

Please visit the IIHMSP-2024 official websites (<https://iihmsp24.github.io/> or <http://bit.nkust.edu.tw/~iihmsp24>) or contact the organizers of this special session:

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