

ISASD 2024 Workshop Proposal Form

The workshops will be held from July 8th to July 11th, 2024. Please provide the following information, which will be reviewed by the ISASD 2024 committee.

1. Workshop Title:

Artificial intelligence, management science, supply chain management, intelligent optimization algorithms and their applications

2. Workshop Chairs:

Name	Poey Chin Lai
Affiliation	Universiti Tun Abdul Razak
E-mail	profdrlai@gmail.com

3. Workshop Chair's Introduction (please provide a 150-word introduction):

Poey Chin Lai currently serves at Universiti Tun Abdul Razak in Malaysian. Prof. Dr. PC Lai was the Scholarship holder for both her doctorates (DBA and Ph.D. with Distinction), a Chartered Marketer by profession, and the Head of Innovation with UM Centre for Innovation and commercialization as well as a Research Fellow with UM Deputy Vice-Chancellor (Research & Innovation). She received a fellowship twice from the Asia Pacific Regional Internet Conference on Operational Technology (APRICOT) and the Asia Pacific Networking Group (APNG) as well as being selected to be part of the MIT Global Innovation & Entrepreneurship Bootcamp. She has more than two decades of experience in the Asia Pacific region in various industries, mainly in telecommunications and Finance. Her works also involved corporate strategy, e-business, marketing, and transforming business processes between the PEOPLE (employees), PRODUCTS, PARTNERS, and CUSTOMERS by enhancing customer satisfaction levels and ultimately resulting in enhanced Business Relationships, reduced costs, processes etc.

4. Statement of Objectives (200-500 words):

With the continuous progress of technology, Artificial Intelligence (AI), as a remarkable technology, is gradually penetrating into various fields. The

application fields of artificial intelligence technology are extensive, covering healthcare, transportation and transportation, financial services, education and training, retail and e-commerce, manufacturing and industry, and other fields. In the future, the development of AI will take deep learning, natural language processing, edge computing, federal learning, etc. as the main trends, and ethics and norms will also become the focus of attention. Therefore, the aim of this special session is to provide the researchers with a room to present the innovative ideas, researches, methodologies, developments and applications in the field of AI.

Workshop Topics

1. Learning, optimization, and decision-making based on big data
2. Smart grid control system
3. Intelligent Control Theory and Methods
4. Intelligent computing and machine learning
5. Image Processing and Computer Vision
6. Information processing and control of unmanned systems
7. Network Cluster and Networked Control
8. Multi agent formation and collaboration
9. Medical imaging, bioinformatics, and biomimetic control
10. Brain Computer Interface and Cognitive Computing
11. Advanced sensing technology and instrumentation
12. Wireless Sensor Networks and Data Fusion
13. Theory and Methods of Complex Systems
14. Social computing and social system management
15. Intelligent optimization manufacturing in process industry
16. Logistics System and Automation
17. Pattern recognition and artificial intelligence
18. Others

5. Target Article Quantity and Expected Number of Participants:

Target Article Quantity: 20+

Expected Number of Participants: 0

6. Expected Technical Program Committee Members:

Poey Chin Lai, Universiti Tun Abdul Razak, Malaysian