AITA 2021

The International Workshop on Artificial Intelligence Theory and Application (AITA 2021)
Under the 2nd International Symposium on Instrumentation, Control, Artificial Intelligence, and Robotics (ICA-SYMP 2021)

January 20-21, 2021, Bangkok, Thailand
KMUTT Knowledge Exchange for Innovation Center (KX)

IEEE
IEEE Control Systems Society Thailand
AiAT

https://aiworkshop-ica-symp2021.aiat.or.th/
http://sites.ieee.org/thailand-css/ica-symp-2021/

Important Dates

Paper Submission
November 1, 2020

Acceptance Notification
November 30, 2020

Camera-Ready
December 15, 2020

AITA 2020 Conference
January 20-21, 2021

Paper Submission Page
https://iisi.siit.tu.ac.th/aita2021

Host and Co-Host
Artificial Intelligence Association of Thailand
Sirindhorn International Institute of Technology, Thammasat University

Honorary Chairs
Gasinee Witoonchart, Rector, Thammasat U.
Pruettha Nanakorn, SIIT, Thammasat U.

Conference Chairs
Thanaruk Teeramunkong, SIIT, Thailand
Thepchai Supnithi, NECTEC, Thailand

Technical Program Committee
Waree Kongprawechnon, SIIT, Thailand
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The International Workshop on Artificial Intelligence Theory and Application (AITA 2021) aims to provide an international forum for researchers and industry practitioners. Our goals are to share their new ideas, original research results and practical development experiences related to artificial intelligence, smart technology, internet of things, and embedded system-related areas. The conference calls for research papers reporting original investigation results of research and development on real AI and IoT system applications and their system development. Topics in AIoT 2020 are listed below, but not limited to:

- **Artificial Intelligence (AI) Fundamentals**

    Adaptive Control, Agent and Multi-Agent Systems, Artificial Neural Networks Spiking, Artificial Neural Networks, Bayesian Models, Biologically Inspired Neural Networks, Architectures Interacting with The Brain, Convolutional Neural Networks, Deep Learning, Big Data, Distributed AI Systems and Architectures, Evaluation of AI Systems, Evolving Systems – Optimization, Affective Computing, Grid-Based Computing, Knowledge Acquisition and Representation, Knowledge Engineering, Machine Learning, Multi-layer Perceptron, Multilayer Perceptron and Kernel Networks, Learning and Adaptive Systems, Mathematical Foundations of AI and Intelligent Computational methods, Media Machine Learning in Engineering, Natural Language Processing, Object and Face Recognition, Ontologies, Reasoning Methods, Particle Swarm Optimisation, Planning and Resource Management, Planning and Scheduling.

- **AI Applications**

    Autonomous and Ubiquitous Computing, Biomedical systems, Bioinformatics Coding, Collective Computational Intelligence, Color/Image Analysis, Computer Vision, Crisis and Risk Management, Data Fusion, Data Mining and Information Retrieval, Decision Support Systems, Deep Learning, Real Time Systems, Social Networks, eBusiness, eCommerce, eHealth, eLearning, Engineering and Industry, Expert Systems, Finance and AI, Fuzzy Logic and Systems, Genetic Algorithms and Programming, Human-Machine Interaction, Intelligent Real Time Monitoring and Control, Knowledge Management, Cybersecurity, Forensics, BioMedical, Medical Informatics and Biomedical, Movement and Motion, Multimedia Computing, Multimedia Ontologies, Multimedia, Political Decision Making, Project Management Recommendation Systems, Recurrent Neural Networks and Reservoir Computing, Robotics and Virtual Reality, Signal and Image Processing, Knowledge Extraction, Smart Graphics, Smart Grids, Social Media and AI, Speech and Natural Language Processing, Speech Synthesis, Time Series and Forecasting, Mining and Exploratory Analysis.

- **AI and Social Issues**

    AI and Ethical Issues, Cybersecurity and AI, Deep Learning and Big Data Analytics, Deep Learning and Cybersecurity
    Deep Learning and Forensics, Forensic Science, Intelligent Profiling and Personalisation, Machine Learning and Social, Social Impact of AI

Paper Submission
Proceedings will be published by AIAT and SIIT, Thammasat university. The first page should include the paper title, the names and the complete mailing addresses of all authors, and the e-mail address of the corresponding author. Each paper should consist of up to 200-word abstract, up to 5 keywords. No page number should be printed. All the text, figures and reference must be between 4-6 double-column A4 pages with font size of 10 pts. Authors MUST use the AITA manuscript submission guidelines for their initial submissions. All papers must be submitted electronically in PDF format only, using the conference management tool. The submitted papers must not be published or under consideration to be published elsewhere.

Special Issue
A number of selected papers will be considered to publish in a special issue of a journal.

More Information
Any question can be sent to process, e-mail: aita@siit.tu.ac.th