October 30 – November 1, 2019, Kantary Hills Hotel, Chiangmai, Thailand

What is iSAI-NLP 2019?

The iSAI-NLP 2019 provides a stage for international researchers and scholars to exchange ideas, knowledge, techniques in the field of artificial intelligence and natural language processing. The conference covers a board range of research topics in natural language processing, data analytic, machine learning, robotics, Internet of things, embedded systems, signal, image, speech processing and smart industrial technology.

Topics include, but are not limited to:

Track 1: Natural Language Processing

Cognitive aspects of natural language processing
Corpus and Language Resources
Corpus-based language modeling
Dialog Systems
Information Retrievals
Language and Ontology Unifying
Language Engineering
Language Learning
Language processing in internet applications
Language for Disability
Linguistic models of language
Linguistic Resources
Machine Translation
NLP Applications
NLP-based knowledge science
Ontology Engineering
Phonetics, phonology and morphology
Pragmatics and discourse
Semantics, syntax and lexicon
Speech Recognition and Synthesis
Tools and resource for NLP

Track 2: Robotics, IoT and Embedded System

Embedded Software and Compiler
Health and medical wireless applications
OS and middleware for mobile computing
Parallel architectures and computational models
Control algorithms and controls system
Manufacturing robotics
Computational methodologies in robotics
Human-Robot Interaction
Robotic cognition and emotion
Robotic perception and decision
Sensor integration, fusion, and perception
IoT Application and Services
IoT Mobility, localization, tracking & security

Track 3: Data Analytic and Machine Learning

Artificial Intelligence tools & Applications
Big Data Mining and Analytics
Machine Learning, Deep Learning
Neural Networks
Probabilistic Reasoning
Evolutionary Computing
Pattern recognition
Heuristic Planning Strategies and Tools
Data Mining and Machine Learning Tools
Reactive Distributed AI
Hybrid Intelligent System
Intelligent Systems Architecture
Network Intelligence
Multimedia & Cognitive Informatics
Pervasive Computing and Ambient Intelligence
Semantic Web Techniques and Technologies
Web Intelligence Applications & Search
Deep Learning
Business Intelligent

Important Dates:

- Full Paper Submission: September 9, 2019 (Extended)
- Acceptance Notification: September 23, 2019
- Camera-Ready: October 8, 2019
- iSAI-NLP 2019 Conference: Oct 30 – Nov 1, 2019

https://isai-nlp2019.aiat.or.th

Track 4: Signal, Image and Speech Processing

AI in image and speech processing
Computer vision and virtual reality
Content-based image retrieval
Content-based indexing, search and retrieval
Document recognition
Evolution and fuzzy computation
Hardware implementation for signal processing
Image and video coding and compression
Image filtering, restoration and enhancement
Image segmentation
Intelligent system and application
Multiple filtering and filter banks
Object and face detection
Pattern analysis and recognition
Super resolution imaging
Time-frequency signal analysis
Video analysis and event recognition
Video compression and streaming
Visualization
Web intelligence application and search

Track 5: Smart Industrial Technologies

Smart Grid
Smart Material
Smart Home and Smart Building
Smart Transportation and Infrastructure
Smart City and Technology Application
Smart Energy and Efficient-Networks
Smart Information and Digital Business
Autonomous Vehicles
Energy Storage Technology
Data Analytic and Artificial intelligence for Industry Management
Condition Monitoring and Control for Intelligence Manufacturing
Smart Management for Industry
Learning Innovation for Industry
Basic Research for Smart Industry
Related Topic in Smart Technology and Engineering

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