MIWAI 2019 Tentative Program

November 17, 2019		
Time	**Topic/Activity**	**Speaker(s)**
08:30 - 09:00	Registeration	
09:00 - 09:10	Opening Ceremony	General Chair
09:10 - 10:30	Invited Talk: Algorithms to Find Interesting and Interpretable High Utility Patterns in Symbolic Data	Philippe Fournier-Viger
10:30 - 10:50	**BREAK**	
	Session: Data Mining	
	Session Chair: Manasawee Kaenampornpan	
10:50 - 11:10	AAT: An Efficient Model for Synthesizing Long Sequences on A Small Dataset	Nguyen Quan Anh Minh, Le Quang Trinh, Van Huu Quoc and Nguyen Duc Dung
11:10 - 11:30	Generation of Efficient Rules for Associative Classification	Chartwut Thanajiranthorn and Panida Songram
11:30 - 11:50	A Study of Features Affecting on Stroke Prediction using Machine Learning	Panida Songram and Chatklaw Jareanpon
11:50 - 12:10	Effect of Feature Selection in Software Fault Detection	Shamse Tasnim Cynthia, Md. Golam Rasul and Shamim Ripon
12:10 - 13:30	**LUNCH**	
	Session: Computer Vision and Machine Learning	
	Session Chair:	
13:30 - 13:50	Dynamic hand gesture recognition from multi-modal streams using deep neural network	Thanh-Hai Tran, Hoang-Nhat Tran and Huong-Giang Doan
13:50 - 14:10	Cross-Domain Face Recognition Using Dictionary Learning	Yaswanth Gavini, Arun Agarwal and B. M. Mehtre
14:10 - 14:30	Facial Expression Recognition Using Directional Gradient Local Ternary Patterns	Nahla Nour and Serestina Viriri
14:30 - 14:50	Smartphone Based Outdoor Navigation and Obstacle Avoidance System for the Visually Impaired	Qiaoyu Chen, Lijun Wu, Zhicong Chen, Peijie Lin, Shuying Cheng and Zhenhui Wu
14:50 - 15:10	**BREAK**	
	Session: Natural Language Processing and AI Aplication	
	Session Chair: Phatthanaphong Chomphuwiset	
15:10 - 15:30	Text Relation Extraction using Sentence-Relation Semantic Similarity	Mohamed Lubani and Shahrul Azman Noah
15:30 - 15:50	Recent Developments in Recommender Systems	Jia Ming Low, Ian K. T. Tan and Choo Yee Ting
15:50 - 16:10	The Entity Recognition of Thai Poem Compose by Sunthorn Phu by using The Bidirectional Long Short Term Memory Technique	Orathai Khongtum, Nuttachot Promrit and Sajjaporn Waijanya

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16:10 - 16:30	Randomspace-based Fuzzy C-Means for Topic Detection on Indonesia Online News	Muhammad Rifky Yusdiansyah, Hendri Murfi and Arie Wibowo
18:00 - 21:00	RECEPTION DINNER	

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Time	**Topic/Activity**	**Speaker(s)**
09:00 - 10:20	Invited Talk	Laszlo T. Koczy
10:20 - 10:40	**BREAK**	
	Session: Intelligence and Internet of Things	
	Session Chair: Suwannit Chareen	
10:40 - 11:00	A Hierarchical Classification Method Used to Classify Livestock Behaviour from Sensor Data	Hari Suparwito, Kok Wai Wong, Hong Xie, Shri Rai and Dean Thomas
11:00 - 11:20	Internet of Things Sensors and Actuators Layered Fog Service Delivery Model SALFSD	Abdulsalam Alammari, Salman Abdul Moiz and Atul Negi
11:20 - 11:40	AIBA: An AI Model for Behavior Arbitration in Autonomous Driving	Bogdan Trasnea, Claudiu Pozna and Sorin Grigorescu
11:40 - 12:00	Parking slot assignment for overnight electric vehicle charging based on network flow modeling	Junghoon Lee and Gyung-Leen Park
12:00 - 13:20	**LUNCH**	
	Session: Computer Vision and Machine Learning	
	Session Chair: Rapeeporn Chamchong	
13:20 - 13:40	Children Activity Descriptions from Visual and Textual Associations	Somnuk Phon-Amnuaisuk, Ken T. Murata, Praphan Pavarangkoon, Takamichi Mizuhara and Shiqah Hadi
13:40 - 14:00	An Accurate 1D Camera Calibration Based on Weighted Similar Invariant Linear Algorithm	Lixia Lin, Lijun Wu, Songlin Lai, Zhicong Chen, Peijie Lin and Zhenhui Wu
14:00 - 14:20	Image Stitching Based on Discrete Wavelet Transform and Slope Fusion	Daochen Weng, Qianying Zheng and Bingkun Yang
	Session: Short Paper Presentation	
	Session Chair: Rapeeporn Chamchong	
14:20 - 14:40	Road Sign Detection and Recognition of Thai Traffic Based on YOLOv3	Paitoon Thipsanthia, Rapeeporn Chamchong and Panida Songram
14:40 - 15:00	Pixel-Level Crack Detection in Images Using SegNet	Chunge Song, Lijun Wu, Zhicong Chen, Haifang Zhou, Peijie Lin, Shuying Cheng and Zhenhui Wu
15:00 - 15:20	**BREAK**	

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	Session: Short Paper Presentation	
	Session Chair: Chatrakul Sombattheera	
15:20 - 15:40	Content-Based Health Recommender System for ICU Patients	Asif Ahmed Neloy, Muhammad Shafayat Oshman, Md. Monzurul Islam, Md Julhas Hossain and Zunayeed Bin Zahir
15:40 - 16:00	Domain-General versus Domain-Specific Named Entity Recognition: A Case Study using TEXT	Cheng Yang Lim, Ian K. T. Tan and Bhawani Selvaretnam
16:00 - 16:20	Statistical analysis of the performance of the state-of-the art methods for solving TSP variants	Boldizsár Tüű-Szabó, Peter Foldesi and Laszlo T. Koczy
16:20 - 16:40	Identification of Conversational Intent Pattern using Pattern-Growth technique for Academic Chatbot	Suraya Alias, Mohd Shamrie Sainin, Soo Fun Tan and Norhayati Daut
16:40	Closing Ceremony	

November 19, 2019		
Time	**Topic/Activity**	**Speaker(s)**
All day	Networking and Excursions	

Instruction

Timing: Please make sure that your presentation is well timed. Please keep in mind that the program is full and that the speaker after you would like their allocated time available to them. The authors have 20 minutes for presentation and Q&A.

Presentation: You can use CD or USB flash drive (memory stick), make sure you scanned viruses in your own computer. Each speaker is required to meet her/his session chair in the corresponding session rooms 10 minutes before the session starts and copy the slide file (PPT or PDF) to the computer.

It is suggested that you email a copy of your presentation to your personal inbox as a backup. If for some reason the files can't be accessed from your flash drive, you will be able to download them to the computer from your email.

Please note that the session room will be equipped with a LCD projector, screen, point device, microphone, and a laptop with general presentation software such as Microsoft PowerPoint and Adobe Reader. Please make sure that your files are compatible and readable with our operation system by using commonly used fronts and symbols. If you plan to use your own computer, please try the connection and make sure it works before your presentation.