

Ubi-media 2018 Program
August 22-25, 2018

Tentative Schedule

UI1	August 23th, 9:30 - 10:20 Session Chair: Dr. Timothy K. Shih
	Conference and Ubi-media Keynote Speaker: Prof. Susanto Rahardja

Session	August 23th, 2018 @Room 4
U1	10:30 - 12:15 Session Chair: Dr. Chun-Hsiung Tseng, Taiwan
9	Using Convolutional Neural Network for Crime Scene Investigation Image Database Retrieval Ying Liu, Dan Hu, Jiulun Fan, Xing Yang, Fuping Wang and Nam Ling
10	Fireworks Pattern Classification Using Long-term Recurrent Convolutional Network Chi-Yen Lin , S.P. Kasthuri Arachchi , N. L. Hakim , Timothy K. Shih , S. Ruengittinuny, and Chih-Yang Lin
*12	Bearing Fault Identification and Classification based on Convolutional Neural Network and Time-Frequency Auto-correlation Graph Yu Gong, Ming Zhang, Luofei Zhang and Shiyu Liu
*14	An Approach to Intelligent Fault Diagnosis of Rolling Bearing Using Improved Wavelet Time-Frequency Representations and CNN Luofei Zhang, Ming Zhang, Yu Gong and Yue Gao
30	AI-Empowered User Modeling - Tourism Service as An Instance Kuan-Hua Lai , Moloud Abdar and Neil Y. Yen
35	A genetic-based segmented BPNN model for predicting the Weibo reposts Guixun Luo, Yun Liu and Zhiyuan Zhang

U2	13:00 - 14:30 Session Chair: Dr. Ankhtuya Ochirbat, Mongolia
6	The synergy between Learning Design and Learning Analytics to Improve Higher Education Rangana Jayashanka, K.P. Hewagamage and E. Hettiarachchi
7	Cognitive Weightage Assignment with Ubiquitous Computing to Compute the Cognitive Complexity Dinuka Wijendra and Kamalanath Hewagamage
8	Suggesting Occupations and Open Educational Resources through Adolescent's Interests Ankhtuya Ochirbat and Timothy K. Shih
39	A Novel LBSH-Based Photo Searching System Nathaporn Wanchainawin, Phoomipat Traipuech, Somchoke Ruengittinun and Yi-Cheng Chen
40	Using system integration techniques for anatomy learning system in a cloud computing environment Lih-Shyang Chen, Emily Yang and Chao-Cheng Chen

U3	14:40 - 16:10 Session Chair: Dr. Tz-Heng Hsu, Taiwan
4	The Eye Tracking based Analysis System for Learner Cognitive Process in Video Lecture Xiaolong Liu, Xuebai Zhang, Shyan-Ming Yuan and Riqing Chen
19	Finite State Machine-based Finger Pose Tracking Chi-Yen Lin, Noorkholis Luthfil Hakim, Stanislav Vladimirovich Klimenko, Pattanasak Mongkolwat and Timothy K. Shih

28	Virtual Poeng Mang with Kinect Sensor Somchoke Ruengittinun , Phanuvich Hirunsirisombut , Ronnapat Chatsanguthai and Preecha Ngamsaowaros
34	On Error-Rate Prediction of the Joint Viterbi Detector/Decoder (JVDD) Kheong Sann Chan and Susanto Rahardja
38	Design of a Video Surveillance Record Keeping System using BlockChain Technologies Tz-Heng Hsu , Po-Hui Wu and Chao-Chun Chen

U4	16:10 - 17:30 Session Chair: Dr. Jiun-Long Huang, Taiwan
11	An Efficient Divisive Clustering Algorithm with Reduced Classification Errors Ishtiaq Rasool Khan , Untung Rahardja , Abs Sunarya and Susanto Rahardja
24	Towards a Novel Data Placement Strategy for Sharing Data Within Ubiquitous-Device Clusters Jiahui Jin and Dian Shen
26	Development of acoustic acquisition and information distribution system based on the application of holographic location map by using smart phone Chen Li , Tianfeng Li , Jie Xia and Yumin Zeng
36	An extended HDFS architecture for small file storage Zhenjiang Zhang , Xiaodong Song and Zhangbing Zhou
42	A Collaborative Filtering Recommendation System with Dynamic Time Decay Yi-Cheng Chen , Lin Hui , Tipajin Thaipisutiku and Hsuan-Li Chen

Session	August 24th, 2018 @Room 4
U5	10:40 - 11:30 Session Chair: Dr. Nam Ling, USA
13	Associating a Radiology Report with a Biopsy Recommendation to the Corresponding Pathology Reports Pattanasak Mongkolwat , Vladimir Kleper , Tipajin Thaipisutikul , Chih-Lin Hu and Timothy K. Shih
17	CFPRec: A Content-Based Recommender Model Exploring Reseach Publication Venues Worapot Sompool , Chalothon Chootong , W.K.T.M. Gunarathne , Ankhtuya Ochirbat , Yi-Cheng Chen , Somchoke Ruengittinun and Timothy K. Shih
27	Time Series Forecasting Using Deep Learning: A Case Study of Stock Market Prediction Tipajin Thaipisutikul , Yi-Cheng Chen , Pattanasak Mongkolwat , Timothy K. Shih and Suppawong Tuarob

Session	August 23th, 2018 @Room 5
U6	10:30 - 12:15 Session Chair: Dr. Chih-Lin Hu, Taiwan
20	The Impact od DoS Attacks on Resource-constrained IoT Devices: A Sudy on the Mirai Attack Bhagyashri Tushir , Hetesh Sehgal , Rohan Nair , Behnam Dezfouli and Yuhong Liu

Session	August 23th, 2018 @Room 5
U7	14:40 - 16:10 Session Chair: Dr. Chun-Hsiung Tseng, Taiwan
*23	An Augmented Reality Based Mirror Therapy System for Upper Limb Using Pattern Recognition on SEMG signal Shuya Chen , Xianjia Yu and Shiqing Ye
25	Movable Group-based Location Awareness and Management System Using iBeacon Ching-Sheng Wang and Pei-Jia Ke

29	Designing Template for Create a Mobile Walk Rally Games using Location-Based Augmented Reality Saowalak Arampongsanuwat and Karanya Sitdhisanguan
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Session	August 23th, 2018 @Room 5
U8	16:10 - 17:30 Session Chair: Dr. Ren-Hung Hwang, Taiwan
3	Smart Handover between LTE and Wi-Fi Networks Wei Kuang Lai and Tzu-Chun Hung
18	Video Classification Framework based on Motion Signals Analysis for Smoke Fire and Waterfall Kanoksak Wattanachote, Yongyi Gong, Jianxin Zhang, Siwen Guo and Yingying Qu
21	Performance Analysis of Relay-assisted Heterogeneous Cellular Networks Hung-Yi Teng, Ying-Dar Lin, Jen-Yeu Chen and Ren-Hung Hwang
22	QoE-Based Concurrent Multipath Transmission for Mobile Video over Heterogeneous Wireless Networks Huangneng Jiang, Feng Chen, Jie Zhang and Zhifeng Chen