

11/26 Workshop on AI Computing in Science and Technology

Time	Content
	Theme: Welcome
09:00~09:05	Welcome and Introduction of SEAIP2018
09:05~09:15	Who's who
	Keynote: PRAGMA Institute
	Session Chair: <i>Fang-Pang Lin, NCHC, NARLabs, Taiwan</i>
09:15-09:30	PRAGMA and Scientific Expedition <i>Shava Smallen, Chair of PRAGMA SC, UCSD, USA</i>
	Theme: Network & Security
09:30~09:45	Honeynet and Malware Knowledge Base <i>Boyi Lee, NCHC, NARLabs, Taiwan</i>
09:45~10:00	Towards Connected - HPC <i>Hiroaki Morimoto, CMC, Osaka University, Japan</i>
10:00~10:15	Implementation of a Transnational Testbed with Layer 3 SDX <i>Te-Lung Liu, NCHC, NARLabs, Taiwan</i>
10:15~10:30	News Tracking System on Cloud <i>Yih-Jia Tsai, Tamkang University</i>
10:30-10:50	Coffee Break
	Theme: Resources Management
10:50:11:05	Towards Intelligent Resource Management in Fog Clusters: An Reinforcement Learning Approach <i>Aye Mon Tun, UCSY, Myanmar</i>
11:05~11:20	A Resource Usage Prediction System Using Functional-link and Genetic Algorithm Neural Network for Multivariate Cloud Metrics <i>Nguyen Van Thieu, HPCC, Hanoi University of Science and Technology, Vietnam</i>
11:20~11:35	Integration of Fuzzy Computing and Knowledge Discovery in the Light of AI and Cloud Computing <i>Le Hoang Son, Vietnam National University, Hanoi, Vietnam</i>
	Theme: Instrumentation & Services
11:35~11:50	Unmanned Aerial Monitoring and Information Management of Aging Structures <i>Noel B. Linsangan, Mapua University, Philippines</i>

Time	Content
11:50~12:10	Research Applications on the Internet of Things (IoT) <i>Meryl Regine Algodon, Advanced Science and Technology Institute, Philippines</i>
12:10~13:30	Lunch & Posters
13:30~13:45	Intelligent Quality Inspection and Monitoring <i>Lai Weng Kin, Tunku Abdul Rahman University College, Malaysia</i>
13:45~14:00	Digital Assistants: The Challenges <i>Duc Nghia Pham, MIMOS Berhad, Malaysia</i>
Theme: Agriculture	
14:00~14:15	Disaster and Agricultural Remote Sensing Applications Using High Performance Computing <i>Roel M. De La Cruz & Nash Frederic Prado, Advanced Science and Technology Institute, Philippines</i>
14:15~14:30	Komiot: Exploring Rest Protocol for IOT Server of The Automatic Irrigation Control System <i>Sri Wahjuni, Bogor Agricultural University, Indonesia</i>
Theme: Smart Cities	
14:30~14:45	SDN, IoT and Fog Computing Testbed for Smart Cities <i>Đinh Văn Dũng, Information Technology Institute (ITI) Vietnam National University Hanoi, Vietnam</i>
14:45~15:00	Warning Alert System for Reducing Road Traffic Accidents Using IoT <i>Tin Lae Lae Mon, University of Computer Studies Yangon, Myanmar</i>
15:00~15:30	Coffee Break
15:30~15:45	Scene Understanding for Power Generation Inspection Vehicle <i>Teesid Leelasawassuk, National Electronics and Computer Technology Center, Thailand</i>
15:45~16:00	Reinforcement Learning for Determining The Best Route Based on Weather Condition Taken by Wireless Sensor Network <i>Nurmaya, YARSI University, Indonesia</i>
Theme: Natural Disasters	
16:00~16:15	Land Feature Pseudo-Segmentation and Object Class Estimation Using Deep Learning on Satellite-based RGB Images <i>Jeffrey A. Aborot, Department of Science and Technology - Advanced Science and Technology Institute, Philippines</i>

Time	Content
16:15~16:30	Monitoring Landslide Prone Area using Internet of Things <i>Chaw Chaw Khaing, UCSY, Maymmar</i>
16:30~17:30	Poster Session
18:00~	Discussions & Dinner

11/27 AI Innovation in Cloud Computing and IOT

Time	Content
	Theme: Welcome
09:00~09:20	SEAIP Opening <i>Kao-Cheng Wang, Vice President of Tamkang University</i> <i>Ce-Kuen Shieh, Director General of Delegate of NARL</i>
	Theme: Keynote Speech on AI Innovation
	Session Chair : <i>Hui-Hung Hsu, Dean College of Engineering, Tamkang University</i>
09:20~09:40	Collaboration: A Critical Strategy to Bridge AI Innovations Applied to Cloud Computing and IoT with Scientific and Societal Challenges <i>Peter Arzberger, UCSD, USA</i>
09:40~10:00	Opportunities for Young Scientists in the Age of Autonomous Systems and AI <i>Williams, Y, Chang, University of Hawaii at Manoa, USA</i>
10:00~10:20	Coffee Break
	Theme: Keynote Speech on Advance Science and Technology
	Session Chair : <i>Shava Smallen, UCSD, USA</i>
10:20~10:50	Virtual and Augmented Reality for Scientific Visualization <i>Uwe Woessner, HLRS, Germany</i>
10:50-11:20	Self-aware Machine Intelligence and International Collaboration in Biodiversity Data Research <i>Jose Fortes, University of Florida, USA</i>
11:20~11:40	AI Bridging Cloud Infrastructure (ABCI) <i>Yoshio Tanaka, AIST, Japan</i>
11:40~12:00	Distributed AI and Edge-oriented IoT Infrastructures for Smart Cities <i>Hock-Beng Lim, Singapore University of Technology and Design, Singapore</i>
12:00~13:30	Lunch & Poster Session
	Theme: AI applications in Biomedical Development
	Session Chair : <i>Heru Suhartanto, Universitas Indonesia, Indonesia</i>
13:30-13:55	Improving the Performance of Colon Histopathology Images Training Based on Convolutional Neural Network on GPU Environment <i>Heru Suhartanto, Universitas Indonesia, Indonesia</i>
13:55~14:20	Telemedicine <i>Raul Gilberto Hazas Izquierdo, Universidad de Sonora, Mexico</i>
14:20~14:40	FORMOSAT-5 Application Current and Future

Time	Content
	<i>Bo Chen, NSPO, NARLabs, Taiwan</i>
14:40~15:00	On The Robustness of Cry Detection Methods In Real Neonatal Intensive Care Units <i>Huy Hoang Vuong, Institute of Information Technology Vietnam Academy of Science and Technology, Vietnam</i>
15:00~15:30	Coffee break
	Theme: AI Applications in Smart Cities
	Session Chair : <i>Fang-Pang Lin, NCHC, Taiwan</i>
15:30~15:55	Urban Ecology <i>Hen-Biau King, The Jane Goodall Institute Taiwan</i>
15:55~16:20	Towards a Periodontal Screening Using a Smart Phone Camera <i>Yusuke Moriyama, CMC, Osaka University, Japan</i>
16:20~16:40	A Hyper-heuristic based Artificial Bee Colony Algorithm for the Multi-modal Transportation Problem <i>Li Pei Wong, School of Computer Sciences University Sains Malaysia, Malaysia</i>
16:40~17:00	Innovative Solution for Smart Building <i>Yen-Jong Chen, NCKU, Taiwan</i>
18:00~20:00	Banquet <i>Fullon Hotel Tamsui Fisherman's Wharf @ 3F</i>

11/28 Joint Workshop on AI in Art, Culture and Society (ACS)

Time	Content
Theme: Joint Workshop on Art, Culture and Society	
09:30~09:40	Opening on Joint Workshop <i>TBD, NPM</i> <i>Ce-Kuen Shieh, Director of NCHC, NARLabs</i>
Theme: AI & Smart and Connected Communities	
09:40~10:00	Keynote from National Palace Museum <i>Chun-Ko Hsieh, Deputy Director, Education Exhibition Department, NPM</i>
10:00~10:20	Coffee Break
Theme: Smart and Connected Communities	
10:20~10:50	Cultural Heritage and Arts in VR <i>Uwe Woessner, HLRS, Germany</i>
10:50~11:05	Cultural Heritage in Bagan <i>Thida Aung, UCSY, Myanmar</i>
11:05~11:20	Deep Learning on Point Clouds <i>Cherdsak Kingkan, NECTEC, Thailand</i>
11:20~12:00	Reverse-engineering an ML-based Information Delivery System <i>S. Felix Wu, UC Davis, USA</i>
12:00~13:30	Lunch
Theme: AI and Beyond	
13:30~14:30	Coordinated Mining of 3D Physical World from Big Visual Data <i>Jenq-Neng Hwang, University of Washington, USA</i>
14:30~17:45	Cultural Tour in National Palace Museum

11/29 AI in Education and Applications

Time	Content
Theme: Cultivating Young Talents Through Community Collaboration	
09:00~10:20	Panel in AI Education & Programs for Junior High, Undergraduate and Post Graduate Students <i>PRAGMA, AIST, NMMBA, NMMST</i>
10:20~10:40	Coffee Break & Posters
Theme: AI Applications in Intelligent Manufacturing	
10:40~11:00	Smart and Connected Communities <i>Rui Oliveira, INESC TEC, Portugal</i>
11:00~11:20	Scalable Research Platform for Global Research Collaboration <i>Jim Chen, iCAIR, University of North Western, USA</i>
11:20~11:40	Secure Staging Mechanism towards AI-related Research Treating Security-sensitive Scientific Data <i>Susumu Date, CMC, Osaka University, Japan</i>
11:40~12:00	A Weaving CAD Software with AI <i>V.K. Bhatia & Satya Vir Singh, India Media Lab, India</i>
12:00~14:00	Lunch/Posters
Theme: Marine Science and Technology	
14:00~14:20	Lifemapper in Southeast Asia: Past, Present, and Future Collaborations in Biodiversity Research <i>Aimee Stewart, University of Kansas Biodiversity Institute, USA</i>
14:20~14:40	Lifemapper Installs for NMMST and PRAGMA, PRP <i>Nadya Williams, UCSD, USA</i>
14:40~15:00	Applying Artificial Intelligence and 3D Technology in Coral Reef Monitoring and Mass Coral Culture <i>Tung-Yung Tony Fan, NMMST, Taiwan</i>
15:00~15:15	Coffee Break & Preparation for Breakout Groups
15:15~15:30	TCA Introduction on Smart Cities Summit & Expo 2019
15:30~17:30	The World Cafe and Mini-Workshops <i>Groups to kick off</i> <ol style="list-style-type: none">1. Modeling & Visualization for Museum in Marine Science (e.g. Coral Reef Ecosystem)2. Starlight Connectivity Opportunity for SEAIP Members3. Smart Cities Platform and Applications

Time	Content
18:00~	Discussions & Dinner

11/30 International Collaborative on AI

Time	Content
Theme: Welcome	
09:00~10:00	Collaborative Discussions in AI – Review of SEAIP2017/2018 <i>Ideas, Prototyping & Proposals</i>
10:00~10:30	Coffee Break & Posters
10:30~11:00	Collaborative Discussions in AI – Review of SEAIP2017/2018 <i>Ideas, Prototyping & Proposals</i>
11:00~	Cultural Tour at Tamsui