



Schedule

Thursday 12 July 2018

Parallel Presentation Sessions I

Session 1-A (Bio and Medical Informatics) (Room IT322) Chair: Jason Haga					Session 1-B (Computer and Internet Security) (Room IT323) Chair: Karin Sumongkayothin			Session 1-C (Computer Networks and Communications) (Room IT324) Chair: Yuthapong Somchit			Session 1-D (Computer Vision) (Room IT325) Chair: Piyanch Silapachote			Session 1-E (Data Science) (Room IT334) Chair: Sirisup Laohakiat		
Time	Paper ID	Title	Topic		Paper ID	Title	Topic		Paper ID	Title	Topic		Paper ID	Title	Topic	
1:20 PM	1	151	Automatic Determination of The G-band Chromosomes Number based on Geometric Features	Bio and Medical Informatics	1	42	A variant of the Schnorr signature using an elliptic curve over a field of characteristic two	Computer and Internet Security	1	13	An $\text{Sn}(O(1/\epsilon))$ Approximation Scheme for the Minimum Dominating Set in Unit Disk Graphs	Computer Networks and Communications	1	122	A Deep Learning Methodology for Automatic Assessment of Portrait Image Aesthetic Quality	Computer Vision
1:40 PM	2	57	Color Data Augmentation through Learning Color-Mapping Parameters between Cameras	Bio and Medical Informatics	2	74	Android Forensic and Security Assessment for Hospital and Stock-and-Trade Applications in Thailand	Computer and Internet Security	2	70	Drone Detection and Identification by Using Packet Length Signature	Computer Networks and Communications	2	142	A Fast Algorithm to Approximate the Pih Location of Rubberwood Timber from a Normal Camera Image	Computer Vision
2:00 PM	3	22	Development of Low-Cost In-the-Ear EEG Prototype	Bio and Medical Informatics	3	80	Content-independent steganography and steganalysis of JPEG Images	Computer and Internet Security	3	78	Firmaster: Analysis Tool for Home Router Firmware	Computer Networks and Communications	3	10	AR Development For Room Design	Computer Vision
2:20 PM	4	98	Effectiveness of a low-cost VR simulator for emergency management training in dental surgery	Bio and Medical Informatics	4	84	Logging mechanism for internet of Things: A Case Study of Patient Monitoring System	Computer and Internet Security	4	108	Implementation of SDN Stateful Firewall on Data Plane using Open vSwitch	Computer Networks and Communications	4	153	Chromatic Aberration Detection Based on Image Segmentation	Computer Vision
2:40 PM	5	49	ICCb: An Integrative Genomic Cancer Database	Bio and Medical Informatics	5	106	LSB Rotation and Inversion Scoring Approach to Image Steganography	Computer and Internet Security	5	85	Load Distribution of Software-Defined Networking Based on Controller Performance.	Computer Networks and Communications	5	145	Classification of Dhamma Esan Characters by Transfer Learning of a Deep Neural Network	Computer Vision

Parallel Presentation Sessions II

Session 2-A (Cloud Computing) (Room IT322) Chair: Pattanasak Mongkolwat					Session 2-B (IoT and Embedded Systems) (Room IT323) Chair: Chakchai So-In			Session 2-C (Computer Vision) (Room IT324) Chair: Narong Boonsirirumpun			Session 2-D (Information Technology) (Room IT325) Chair: Pagapom Pengsart			Session 2-E (Machine Learning and Intelligent Systems) (Room IT334) Chair: Ananta Srisuphab		
Time	Paper ID	Title	Topic		Paper ID	Title	Topic		Paper ID	Title	Topic		Paper ID	Title	Topic	
3:20 PM	1	94	A Game-Based Learning System for Plant Monitoring Based on IoT Technology	Cloud Computing	1	99	I WISH: Integrated Well-Being IoT System for Healthiness	Internet of Things	1	100	Comparison of Fabric Color Naming Using RGB and HSV Color Models	Computer Vision	1	29	Increasing the efficiency of One-time key Issuing for The First Verification Caller ID Spoofing Attacks	Information Technology
3:40 PM	2	132	A Transparent Hypervisor-level Checkpoint-Restart Mechanism for a Cluster of Virtual Machines	Cloud Computing	2	68	Safety Property Analysis of Service-Oriented IoT Based on Interval-Timed Coloured Petri Nets	Internet of Things	2	139	Facial Expression Classification using Deep Extreme Inception Networks	Computer Vision	2	75	Integration of Gesture Control with Large Display Environments Using SAGE2	Information Technology
4:00 PM	3	115	dCollective: A Configurable Electronic Data Collection Form and Information Dashboard	Cloud Computing	3	107	An Intelligent Locomotion Control Architecture for Hexapod Robot	Embedded Systems	3	39	Improving Single Image Haze Removal Based On Cellular Automata Model	Computer Vision	3	130	MedThaiSAGE: Decision Support System to Suggest Healthcare Policies using Rule Findings Technique	Information Technology
4:20 PM	4	125	Bandwidth Reservation Approach to Improve Quality of Service in Software-Defined Networking: A Performance Analysis	Computer Networks and Communications	4	86	Operation in Partitioned Circuits with Scalable Hardware Mechanism	Embedded Systems	4	126	Log-End Cut-Area Detection in Images Taken from Rear End of Eucalyptus Timber Trucks	Computer Vision	4	105	SkinProf: An Android Application for Smart Cosmetic and Skincare Users	Information Technology
4:40 PM	5	101	Impact of Noise and Complexity on Targeted Image Steganalysis	Computer Networks and Communications	5	112	Walking Gait Measurement and Analysis via Knee Angle Movement and Foot Plantar Pressures	Embedded Systems	5	72	Transfer Learning for Leaf Classification with Convolutional Neural Networks	Computer Vision	5	43	The Disaster Victim Locating System with a Smartphone Without a Telecommunication System	Information Technology
5:00 PM	6	66	Stochastic Link-fault-tolerant Routing in a Torus	Computer Networks and Communications					6	36	RGB Color Measuring Tool of Simple Colorimetric Detection for High Throughput Antioxidant Capacity Assay on Well Plate	Computer Vision				



Schedule

Friday 13 July 2018

Parallel Presentation Sessions III

Session 3-A (Machine Learning and Intelligent Systems) (Room IT322) Chair: Jittat Fakcharoenphol				Session 3-B (Information Technology) (Room IT323) Chair: Sudsanguan Ngamsurlyaroj				Session 3-C (Knowledge and Data Management) (Room IT324) Chair: Preecha Tangvorakittaworn				Session 3-D (Data Science) (Room IT325) Chair: Siripen Pongpaichet				Session 3-E (Computer Vision and Graphics) (Room IT334) Chair: Rawesak Tanawongsuwan				
Time	Paper ID	Title	Topic	Paper ID	Title	Topic	Paper ID	Title	Topic	Paper ID	Title	Topic	Paper ID	Title	Topic					
10:50 AM	1	41	Face Recognition in Unconstrained Environment	Machine Learning and Intelligent Systems	1	81	A Business Intelligence System for Radio Communication Licensing: A Case Study of The National Broadcasting and Telecommunications Commission of Thailand	Information Technology	1	40	A Novel Automatic Sentiment Summarization from Aspect-based Customer Reviews	Knowledge and Data Management	1	141	Analysis of Skill Demand in Thai Labor Market from Online Jobs Recruitments Websites	Data Science	1	26	Crowd Estimation using Region-Specific HOG with SVM	Computer Vision
11:10 AM	2	46	Images Based Classification for Warm Cloud Rainmaking using Convolutional Neural Networks	Machine Learning and Intelligent Systems	2	53	A Combined Method for Analysing Critical Success Factors on ERP Implementation	Information Technology	2	77	An Analysis of High-Value Datasets : A Case Study of Thailand's Open Government Data	Knowledge and Data Management	2	62	Multi-level Sentiment Information Extraction Using the CRBSA Algorithm	Data Science	2	35	An Approach to Bezier Curve Approximation by Circular Arcs	Multimedia and Computer Graphics
11:30 AM	3	17	Loel Fabric Weaving Pattern Recognition Using Deep Neural Network	Machine Learning and Intelligent Systems	3	27	Bloom Balance: Calorie Balancing Application with Scientific Validation	Information Technology	3	127	Enhance Machine Reading Comprehension on Multiple Sentence Questions with Gated and Dense Coreference Information	Information Retrieval	3	73	Semantic Segmentation on Medium-Resolution Satellite Images using Deep Convolutional Networks with Remote Sensing Derived Indices	Data Science	3	87	Ice Melting Simulation using SPH and Heat Transfer with Constant Ambient Temperature	Multimedia and Computer Graphics
11:50 AM	4	136	Online Emerging Topic Detection on Twitter Using Random Forest with Stock Indicator Features	Machine Learning and Intelligent Systems	4	110	Bolk Meow: A Mobile Application for Finding and Tracking Pets	Information Technology	4	103	Temporal Topic Correlation and Evolution	Information Retrieval	4	7	Sugarcane Yield Grade Prediction using Random Forest and Gradient Boosting Tree Techniques	Data Science	4	96	Pop-out Tetris: an Implementation of a Tablet FTVR Game	Multimedia and Computer Graphics
12:10 PM	5	117	Study of Chronic Wound Image Segmentation: Impact of Tissue Type and Color Data Augmentation	Machine Learning and Intelligent Systems	5	71	The Clinical Decision Support System for the Snake Envenomation in Thailand	Information Technology	5	58	VisiOD: Schema Extraction and Visualization of Linked Open Data	Ontology and Semantic Web	5	111	Traffic State Prediction using Convolutional Neural Network	Data Science				