

KST-2020 List of Accepted Papers

Paper ID	Title	Authors with affiliation and country	Track
1570590110	Dzongkha Word Segmentation using Deep Learning	Yeshe Jamtsho and Paisarn Muneesawang (Naresuan University, Thailand)	Oral Presentation
1570590383	Low Cost Smart House Implementation with Sensory Information Analysis and Face Recognition	Adnan Yazici (CS-SST, Nazarbayev University, Kazakhstan); Enver Ever (Middle East Technical University Northern Cyprus Campus, Turkey); Serik Zhilibayev, Aibek Ziyashev, Altyn Zhelambayeva and Aidar Yessembayev (Nazarbayev University, Kazakhstan)	Oral Presentation
1570590770	How to Enjoy Watching One-Sided Sport Games	Tomoyuki Maekawa and Kazuhiro Ueda (The University of Tokyo, Japan)	Oral Presentation
1570591069	Privacy Monitoring Framework for Connected World	Vaikkunth Mugunthan (Massachusetts Institute of Technology, USA); Kenji Yoshigoe (Toyo University, Japan)	Oral Presentation
1570596414	Improved Adaptive Spectrum Scale-Space in Frequency Domain for Saliency Detection	Taravichet Titijaronroj (King Mongkut's Institute of Technology Ladkrabang, Thailand); Jenjira Jaemsiri and Jaratsri Rungrattanaubol (Naresuan University, Thailand)	Oral Presentation
1570596586	Business-intelligence framework for visualization and its associate text narration	Chutima Wuthikhet, Nalina Phisanbut and Punpiti Piamsanga (Kasetsart University, Thailand)	Oral Presentation
1570596908	Regional Covariance Matrix-Based Two-Dimensional PCA for Face Recognition	Taravichet Titijaronroj (King Mongkut's Institute of Technology Ladkrabang, Thailand); Kangsadan Hancherngchai and Jaratsri Rungrattanaubol (Naresuan University, Thailand)	Oral Presentation
1570596980	Data Mining Based Prediction of Malnutrition in Afghan Children	Ziaullah Momand (King Mongkut's University of Technonlogy Thunburi, Thailand); Pornchai Mongkolnam (King Mongkut's University of Technology Thonburi, Thailand); Pichai Kositpunthawong (King Mongkut's University of Technonlogy Thunburi, Thailand); Jonathan H. Chan (King Mongkut's University of Technology Thonburi, Thailand)	Oral Presentation
1570597204	#Walangpasok on Twitter: Natural language processing as a method for analyzing tweets	Jeffrey Rosario Ancheta (De La Salle University, Philippines); Ken Gorro (University of San Carlos, Philippines); Mark Anthony Uy (University of the East, Philippines)	Oral Presentation
1570597254	A Scenario-based Analysis of Front-facing Camera Eye Tracker for UX/UI Survey on Mobile Banking App	Wisuwat Sunhem (Kasikorn Business Technology Group, Thailand); Kitsuchart Pasupa (King Mongkut's Institute of Technology Ladkrabang, Thailand)	Oral Presentation
1570597287	An Experimental Study of Dynamic Capabilities in a Wireless Body Area Network	Dujdow Buranapanichkit (Prince of Songkla University, Thailand); Apidet Booranawong (Faculty of Engineering, Thaksin University, Thailand); Pitchakron Thippun (Prince of Songkla University, Thailand)	Oral Presentation
1570597506	An Outperforming Hybrid Discrete Particle Swarm Optimization for Solving the Timetabling Problem	Thanawat Unprasertporn (King Mongkut's University of Technology North Bangkok, Thailand); Dome Lohpetch (King Mongkut's University of Technology North Bangkok (KMUTNB), Thailand)	Oral Presentation
1570597608	A Profit Maximization Lot-sizing and Supplier Selection Problem Under Price Discount with Lost Sale	Sakada Srun (Mahidol University, Cambodia)	Oral Presentation
1570598642	SET Index Forecast using Bayesian Belief Networks	Tharaporn Chawlom and Sartra Wongthanavasuu (Khon Kaen University, Thailand)	Oral Presentation
1570599599	Development of AR Learning Assistance Tool for Clay-Sculpting 3D Model	Phum Natakuaithung and Worapan Kusakunniran (Faculty of ICT, Mahidol University, Thailand)	Oral Presentation
1570599684	Facial Movement Interface for Mobile Devices Using Depth-sensing Camera	Chatsopon Deepateep and Pongsagon Vichitvejpaisal (Thammasat University, Thailand)	Oral Presentation
1570602077	Capital Cost based Planning and Optimal Sizing of a Small Community Smart Microgrid	Maneesh Kumar and Barjeev Tyagi (Indian Institute of Technology Roorkee, India)	Oral Presentation
1570603125	Balanced Spanning Tree Protocol in Hierarchical Ethernet Networks	Ghasem Mirjalily (Yazd University, Iran)	Oral Presentation
1570603357	Multiple beamforming with null steering based on improved invasive weed optimization	Zhenkai Zhang (Jiangsu University of Science and Technology, China & University of Calgary, Canada); Lijuan Sun and Lan Xu (Jiangsu University of Science and Technology, China)	Oral Presentation
1570604140	A New Method for Radio Wave Propagation Prediction Based on BP-Neural Network and Path Loss Model	Yirong Wang (Southeast University School of Information Science and Engineering, China); Chen lan zi Huang (Southeast University, China); Man Yu Liang (Southeast University School of Information Science and Engineering, China); Jing Hu (Southeast University, PRC, China); Tiecheng Song (National Mobile Communications Research Laboratory, Southeast University, China)	Oral Presentation

1570604345	Evaluation of Physical Exercise for Osteoarthritis of the Knee through Image Processing Technique	Theekapun Charoenpong (Srinakharinwirot University, Thailand); Supiya Charoensiriwath (National Electronics and Computer Technology Center, Thailand); Siriporn Pattamaset (Srinakharinwirot University, Thailand)	Oral Presentation
1570604352	A Method for Line Detection in Soccer Field by Color of Grass Variation	Theekapun Charoenpong, Thanaphon Rianthong and Srisupang Thewsuan (Srinakharinwirot University, Thailand); Kanjana Pattanaworapan (Bangkok University, Thailand)	Oral Presentation
1570604661	Data Augmentation Based on Multiscale Radon Transform for Seven Segment Display Recognition	Sorawee Popayorm (Naresuan University, Thailand); Taravichet Titijaronroj (King Mongkut's Institute of Technology Ladkrabang, Thailand); Thanathorn Phoka and Wansuree Massagram (Naresuan University, Thailand)	Oral Presentation
1570605189	Detection of Na ₂ S ₂ O ₄ bleaching agent contaminated in bean sprout using an electronic nose	Tanthip Eamsa-ard (Mahidol University, Thailand)	Oral Presentation
1570605346	A Multi-objective Optimization Approach to Allocate Battery and Capacitor in Distribution Network	Partha Kayal (National Institute of Technology, Silchar, India)	Oral Presentation
1570605439	5-Beams RF Antenna Solution for Indoor Coverage in Stadium Perak, Malaysia	Suzi Seroja Sarnin (University Technology MARA, Malaysia); Naim Nani Fadzlina (Universiti Teknologi Mara, Malaysia)	Oral Presentation
1570605444	Online Learning in Presence of Concept Drift in streaming data classification	Kanu Goel (Thapar University Patiala, India)	Oral Presentation
1570605450	Improving Estimation of Conditional Probability for Determining Importance of a Bigram	Toshiki Aoba, Masato Kikuchi, Mitsuo Yoshida and Kyoji Umemura (Toyoashi University of Technology, Japan)	Oral Presentation
1570605458	Virtual Private Network Load Balancing Using OSPF Routing	Nur Fatin Nakhirah Norazlan, Ruhani Ab. Rahman, Murizah Kassim and Azlina Idris (Universiti Teknologi MARA, Malaysia)	Oral Presentation
1570605464	Adaptive Shaping Algorithm on Inbound Internet Traffic Using Generalized Pareto Model	Murizah Kassim, Azura Ayop, Ruhani Ab. Rahman and Azlina Idris (Universiti Teknologi MARA, Malaysia)	Oral Presentation
1570605559	Resource Balanced Service Chaining in NFV-enabled Inter-Datcenter Elastic Optical Networks	Atefeh Khatiri and Ghasem Mirjalily (Yazd University, Iran)	Oral Presentation
1570605585	Intelligent Distributed Customer Anticipation Approach for Taxi Routing Optimization	Pochara Sangtunchai (Mahidol University, Thailand); Kyoung-Sook Kim and Taehoon Kim (AIST, Japan); Thanapon Noraset and Suppawong Tuarob (Mahidol University, Thailand)	Oral Presentation
1570605622	Real-Time Notification System of Moving Obstacles in Vehicle-Camera Images Using SSD and Safe Zones	Varin Chouvatut (Chiang Mai University, Thailand)	Oral Presentation
1570605658	Implementation of acid concentration model based on MSPRNN for a steel pickling process	Dong Woo Kim and PooGyeon Park (POSTECH, Korea)	Oral Presentation
1570605700	Reduction of PAPR using ANSAC with QC LDPC Coding Technique for FOFDMA System	Azlina Idris (Universiti Teknologi MARA, Malaysia); Mohd Syarhan (UITM, Shah Alam, Selangor, Malaysia); Murizah Kassim and Ruhani Ab. Rahman (Universiti Teknologi MARA, Malaysia)	Oral Presentation
1570605707	Person Verification Using Intra-palm Propagation Signals with A New Phase Spectrum	Kohei Fujita, Yuya Ishimoto and Isao Nakanishi (Tottori University, Japan)	Oral Presentation
1570605709	Efficacy of Positional Therapy Prototype for Patients with Positional Obstructive Sleep Apnea	Shongpun Lokavee (Materials Science and Engineering Programme, Thailand)	Oral Presentation
1570605773	Quran and Hadith Text Classification Using Convolutional Neural Network and Support Vector Machine	Irwan Mazlin (Universiti Teknologi MARA, Malaysia); Mohd Izani Bin Mohamed Rawi (Universiti Teknologi MARA & Faculty of Computer and Mathematical Sciences, Malaysia); Mohd Zaki Zakaria (University Technology MARA, Malaysia)	Oral Presentation
1570605872	Fast Special-Purposed Factoring Algorithm by using Modular Multiplication	Kritsanapong Somsuk (Faculty of Technology, Udonthani Rajabhat University, Thailand)	Oral Presentation
1570605886	Reasoning Under Uncertainty in Medical Domain	Balanand Jha (National Institute of Technology, Patna, India); Kumar Abhishek (NIT Patna, India); Akshay Deepak and Ravi Das (National Institute of Technology, Patna, India)	Oral Presentation
1570605969	Anomaly Detection based on GS-OCSVM Classification	Kittikun Kittidachanan (Faculty of Science, Chiang Mai University, Thailand); Phimpaka Taninpong (CMU, Thailand); Watha Minsan and Donlapark Pornopparath (Faculty of Science, Chiang Mai University, Thailand)	Oral Presentation
1570606246	A Deep Learning Approach for Monthly Rainfall Prediction over Indian Region	Radhikesh Kumar, Maheshwari Singh and Bishwajit Roy (National Institute of Technology Patna, India)	Oral Presentation
1570606582	A Smart Trust Based Approach for Sybil Node Detection in Online Social Networks	Yashwanth Dasari and Prabhat Kumar (National Institute of Technology Patna, India)	Oral Presentation
1570608864	Deduplicaton-aware I/O Buffer Management in the Linux Kernel for Improved I/O Performance	Song Jiang (University of Texas, Arlington, USA)	Oral Presentation
1570612750	Spatial-Musical Association of Response Codes Based on Trained Visual Shapes	Qi Jiang and Atsunori Ariga (Hiroshima University, Japan)	Oral Presentation
1570612752	Attractive faces are rewarding irrespective of face category: Motivation in viewing attractive faces in Japanese viewers	Maiko Kobayashi, Koyo Nakamura and Katsumi Watanabe (Waseda University, Japan)	Oral Presentation
1570612753	Deciding when to start in 100-m sprints at Athletic World Championships	Kae Mukai (University of Tokyo, Japan); Takumi Tanaka (Keio University, Japan); Katsumi Watanabe (Sony, Japan)	Oral Presentation
1570612755	Self-initiation of visual object motion has little influence on visual mislocalization by auditory stimuli	Hiroyuki Ooishi and Katsumi Watanabe (Waseda University, Japan)	Oral Presentation
1570612756	Size-numerosity interaction depends retinal rather than perceived size	Saki Takao and Katsumi Watanabe (Waseda University, Japan)	Oral Presentation

1570612757	Accounting for Private Taste: Facial shape analysis of Attractiveness and Inter-individual Variance	Takumi Tanaka, Jan Mikuni and Daisuke Shimane (Keio University, Japan); Koyo Nakamura and Katsumi Watanabe (Waseda University, Japan)	Oral Presentation
1570587536	Electricity Load Forecasting of An Industrial Building using RNN and LSTM	Jaehye Kim (Duksung Women's University, Korea)	Poster Discussion
1570590779	Machine Learning-based Smartphone Motion Awareness	So Young Park and Chan Gook Park (Seoul National University, Korea)	Poster Discussion
1570591114	A Social Network Indirect Relation Algorithm for Accuracy Enhancement	Tin-Yu Wu (National Ilan University, Taiwan)	Poster Discussion
1570605125	High Dielectric Constant Additives Lead to Highly Efficient and Stable Organic Solar Cells	Changduk Yang (Ulsan National Institute of Science and Technology, Korea)	Poster Discussion
1570605507	A performance comparison of learning algorithms: ANNs for predicting catalytic chemical reactions	Changsu Kim, Chanhee You, Sunghoon Kim, Minseong Park, Dongjun Jang and Jiyong Kim (Incheon National University, Korea)	Poster Discussion
1570605508	Data screening using PCA techniques for ANN-based modeling of complex chemical reaction system	Minseong Park, Sunghoon Kim, Changsu Kim, Chanhee You, Dongjun Jang and Jiyong Kim (Incheon National University, Korea)	Poster Discussion
1570605742	A Study on the Method for Recognizing Obfuscated Text in Images	Junho Jeong (Kongju National University, Korea); Hyunhu Shin and Yunsik Son (Dongguk University, Korea)	Poster Discussion