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Technical Program

Tuesday, November 15, 2016

Time	Topic	Speaker/Author
08.00-09.00	Registration	
09.00-09.10	Welcome Message from KCIC 2016 Program Chair	Dr. Shiori Sasaki
09.10-09.15	Message from Governor of North Sulawesi	Mr. Olly Dondokambey
09.15-09.20	Opening Speech from Director of POLIMDO	Ir. Ever Notje Slat, M.T.
09.20-10.15	Keynote Talk Sensing-based Information System in the Era of IoT, Cloud Services and Smartphones	Prof. Hiroshi Tanaka (Department of Information and Computer Sciences, Kanagawa Institute of Technology, Japan)
10.15-10.30	Coffee Break	
10.30-12.05	Parallel Presentation Session	
	Intelligent Computing and Engineering Technology	Session A1
10.30-10.50	Design Model Material Requirement Of Coconut Flour Production and Performance Testing Based Multi User in North Sulawesi	Harson Kapoh
10.55-11.15	Introducing the PodRacle, Spherical Mode Rolling Locomotion on the Flat Surface	Sulung Brata; Kiki Fauziah; Endah Suryawati Ningrum; Eko Henfri Binugroho
11.20-11.40	Minimization of SQL Injection in Scheduling Application Development	Maksy Sendiang; Anritsu Polii
11.45-12.05	Similarity-Ranking Method based on Semantic Computing for a Context-Aware System	Motoki Yokoyama; Yasushi Kiyoki; Tetsuya Mita

	Intelligent Computing for Network and Communication	Session B1
10.30-10.50	Cluster-Based Pathloss Exponential Modeling for Indoor Positioning in Wireless Sensor Network	Cindha Pratiwi; Prima Kristalina; Amang Sudarsono
10.55-11.15	Mobile Cooperative Tracking with RSSI Ranging in EKF Algorithm for Indoor Wireless Sensor Network	Rafina Destiarti Ainul; Prima Kristalina; Amang Sudarsono
11.20-11.40	Reduce Complexity Computation of MIMO Decomposition Based on Single RF Using Kalman Filter	I Gede Puja Astawa
11.45-12.05	Secure Data Sensor Access Using Attribute-Based Encryption With Revocation Environmental Monitoring	Munsiy; Amang Sudarsono; M. Udin Harun Al Rasyid
	Knowledge Bases for Environmental Computing	Session C1
10.30-10.50	Application to Determine Water Volume for Agriculture Using Wireless Sensor Network	M. Udin Harun Al Rasyid; Entin Martiana Kusumaningtyas; Fajar Setiawan
10.55-11.15	Event-Based Feature Extraction for Analyzing the First Damage of Coral under Temperature and Light Intensity Stressor	Wahjoe Tjatur Sesulihatien; Shiori Sasaki; Yasushi Kiyoki; Sompop Rungsupa; Aran Hansuebsai; Petchporn Chawakitchareon
11.20-11.40	Improving Auto Level Method for Enhancement of Underwater Images	Achmad Basuki; Nana Ramadijanti
11.45-12.05	Quality Measurement Classification for Water Treatment using Neural Network with Reinforcement Programming for Weighting Optimization	Muhammad Dinniy; Ali Ridho Barakbah; Entin Martiana Kusumaningtyas
	Knowledge Engineering for Multimedia Modelling	Session D1
10.30-10.50	A Cloud-based Learning System for Java Programming Class	Kosuke Takano
10.55-11.15	Combination of Weber, Oriented Gradient, Fourier and Color Features	Hero Martono

	for 3D Textured Matching	
11.20-11.40	Designing Mobile Application for Retrieving Book Information using Optical Character Recognition	Nana Ramadijanti
11.45-12.05	FLoW Vision: Depth Image Enhancement by Combining Stereo RGB-Depth Sensor	Suryo Aji Waskitho; Ardiansyah Alfarouq; Sritrusta Sukaridhoto; Dadet Pramadihanto
	Intelligent Computing for Medical Analysis	Session E1
10.30-10.50	A Comparison of Montecarlo Linear and Dynamic Polynomial Regression in Predicting Dengue Fever Case	Mochammad Roziqin; Achmad Basuki; Tri Harsono
10.55-11.15	Enhancement of Low Quality Thick Blood Smear Microscopic Images of Malaria Patients using Contrast and Edge Corrections	Umi Salamah; Riyanarto Sarno; Agus Z Arifin; Anto Nugroho; Made Gunawan; Vitria Pragessjvara; Ismail Eko Prayitno Rozi; Puji Budi Setia Asih
11.20-11.40	Segmentation Echocardiography Video Using B-Spline and Optical Flow	Riyanto Sigit; Eva Rochmawati
11.45-12.05	The Determinant Factor of Breast Cancer on Medical Oncology using Feature Selection Based Clustering	Tresna Maulana Fahrudin; Iwan Syarif; Ali Ridho Barakbah
12.05-14.00	Poster Session	
12.05-13.00	Poster Presentation	
13.00-14.00	Poster Discussion	
13.00-14.00	Lunch and Break	
14.00-15.20	Parallel Presentation Session	
	Knowledge Engineering for Imaging Systems	Session A2
14.00-14.20	Semantic Image Searching System Based Features Impressions, Color and	Khotibul Umam; Ali Ridho Barakbah;

	Shape for Madurese Batik Cultural	Achmad Basuki
14.20-14.40	3D Heart Image Reconstruction and Visualization	Pratomo Adhi Nugroho; Dwi Kurnia Basuki; Riyanto Sigit
14.40-15.00	Auto Cropping On Iris Image For Iridology Using Histogram Analysis	Entin Martiana Kusumaningtyas; Ali Ridho Barakbah; Aditya Hermawan
15.00-15.20	Improved Segmentation of Cardiac Image Using Triangle and Partial Monte Carlo	Riyanto Sigit; Ali Ridho Barakbah; Indra Adji Sulistijono
	Intelligent Computing for Robotics	Session B2
14.00-14.20	Adaptive Morphology-based Design of Multi-Locomotion Flying and Crawling Robot 'PENS-FlyCrawl'	Son Kuswadi; Mohamad Tamara
14.20-14.40	Building A Socially Acceptable Navigation and Behavior of A Mobile Robot Using Q-Learning	Bima Sena Bayu Dewantara
14.40-15.00	Optimal Cone of Relative Position Acquisition Module of Multi Mobile Robot	Son Kuswadi; Mohamad Tamara
15.00-15.20	Speech Generation for Humanoid Robot Interaction	Ernawati Ernawati; Dwi Kurnia Basuki; Ali Ridho Barakbah; Dadet Pramadihanto
	Knowledge Bases for Disaster Risk Management	Session C2
14.00-14.20	A Cause-based Methodology for Semantic Analysis of Deforestation using Multispectral Reflectance	Irene Erlyn Wina Rachmawan
14.20-14.40	Earthquake Disaster Risk Map in East Java, Indonesia, using Analytical Hierarchy Process - Natural Break Classification	Arna Fariza; Nanda Abhimata; Jauari Hasim
14.40-15.00	Urban Flood Risk Mapping Using Analytic Hierarchy Process and Natural Break Classification	Hegy Febrianto; Arna Fariza; Jauari Hasim
15.00-15.20	Media and Religious Language - Comparative Text Analysis in German, English and Japanese about the 3.11	Yukiko Sato; Ikumi Waragai

	Earthquake, Tsunami and Fukushima Catastrophe in Japan 2011-	
	Knowledge Engineering for Multimedia Systems	Session D2
14.00-14.20	A time-series phrase correlation calculation system with acoustic signal processing for music media creation	Keiichi Tsuneyama; Yasushi Kiyoki
14.20-14.40	Basic Dance Pose Applications Using Kinect Technology	Nana Ramadijanti
14.40-15.00	Development of Fighting Genre Game(Boxing) Using An Accelerometer Sensor	Achmad Alfian Hidayat; Sigit Wasista
15.00-15.20	Temporal Sentiment Analysis for Opinion Mining of ASEAN Free Trade Area on Social Media	Mustofa Kamal; Ali Ridho Barakbah; Nur Muhtadai
	Intelligent Computing for Medical Engineering	Session E2
14.00-14.20	Acoustic Impedance Estimation Using Calibration Curve for Scanning Acoustic Microscope	Agus Indra Gunawan; Naohiro Hozumi; Sachiko Yoshida; Yoshifumi Saijo; Kazuto Kobayashi; Seiji Yamamoto
14.20-14.40	Performance Analysis of Gaussian and Bilateral Filter in Case of Determination the Fetal Length	Gusti Almira; Tri Harsono; Riyanto Sigit; Igntb Bimantara; Michael Saputra
14.40-15.00	Comparison Study of Gaussian and Histogram Equalization Filter on Dental Radiograph Segmentation For Labelling Dental Radiograph	Aisyatur Radhiyah; Tri Harsono; Riyanto Sigit
15.00-15.20	The Bionic Hand Movement Using Myo Sensor and Neural Networks	Mahfud Ridho Pambudi; Riyanto Sigit; Tri Harsono
15.20-15.45	Coffee Break	
15.45-17.30	Institution Session	1. POLIMDO 2. Keio University 3. EEPIS 4. Kanagawa