

Parallel Session 1

Wednesday, September 27, 13.30-15.00

Room A - Classification and Correlation Techniques Moderator: Ramon L. Rodriguez	
1	Efficient Object Recognition with Multi-Directional Features in Urban Scenes Ryo Kawanami*, Kousuke Matsushima
2	Wah: Infants Cry Classification of Physiological State Based on Audio Features Ramon L. Rodriguez*, Susan S. Caluya
3	Credit Scoring Refinement Using Optimized Logistic Regression Hendri Sutrisno, Siana Halim*
4	Fuzzy Clustering and Bidirectional Long Short-Term Memory for Sleep Stages Classification Intan Nurma Yulita*, Mohamad Ivan Fanany, Aniati Murni Arymurthy
5	MFCC Feature Classification from Culex and Aedes Aegypti Mosquitoes Noise Using Support Vector Machine Achmad Lukman, Agus Harjoko, Chuan-Kai Yang*
6	Anomaly Detection System Based on Classifier Fusion in ICS Environment Jan Vávra*, Martin Hromada
Room B - Assessments of Integrated IS/IT Moderator: Luh Made Wisnu Satyaninggrat	
1	The Proposal of United Crisis Management Information Systems of the Czech Republic Katerina Vichova*, Martin Hromada, Ludek Lukas
2	The Analysis of Academic Information System Success: A Case Study at Instituto Profissional De Canossa (IPDC) Dili Timor-Leste Apolinario Dos Santos*, Albertus Joko Santoso, Djoko Budyanto Setyohadi
3	Identification of Factors Influencing the Success of Hospital Information System (SIRS) by Hot-Fit Model 2006: A Case Study of RSUD Dr Sam Ratulangi Tondano, Minahasa Frendy Rocky Rumambi*, Albertus Joko Santoso, Djoko Budyanto Setyohadi
4	The Alignment of IT and Business Strategy at ROC Leeuwenborgh Frederick Wonges, Jack Zijlmans, Leo Willyanto Santoso*
5	Development of Capability Assessment Model of IT Operation Management Process with Organizational Behavior Luh Made Wisnu Satyaninggrat*, Kridanto Surendro
6	Exploring Critical Success Factors of Mobile Learning as Perceived by Students of the College of Computer Studies – National University Bernie S. Fabito*
Room C - Distributed Systems and Computer Networks Moderator: Hans Dulimarta	

1	A Self-adaptive Architecture with Energy Management in Virtualized Environments I Made Murwantara*, Behzad Bordbar, Joao Bosco Ferreira Filho
2	Nanoservices as Generalization Services in Service-Oriented Architecture Sutrisno, Frans Panduwinata, Pujiyanto Yugopuspito*
3	Automated Concurrency Testing for Cloud-Based Polling Systems Hans Dulimarta*
4	Low-Overhead Multihop Device-to-Device Communications in Software Defined Wireless Networks Riyanto Jayadi, Yuan-Cheng Lai*
5	A Secure Anonymous Authentication Scheme for Roaming Service in Global Mobility Network Kuo-Yang Wu, Yo-Hsuan Chuang, Tzong-Chen Wu, Nai-Wei Lo*
6	Linux PAM to LDAP Authentication Migration Justinus Andjarwirawan*, Henry Novianus Palit, Julio Christian Salim
7	Exploratory Research on Developing Hadoop-based Data Analytics Tools Henry Novianus Palit, Lily Puspa Dewi, Andreas Handojo, Kenny Basuki, Mikiavonty Endrawati Mirabel

Parallel Session 2

Wednesday, September 27, 15.30-17.00

Room A - Classification and Clustering Techniques & Mobile and Pervasive IoT Applications	
Moderator: Bor-Shen Lin	
1	Gesture Recognition for Indonesian Sign Language Systems (ISLS) Using Multimodal Sensor Leap Motion and Myo Armband Controllers Based on Naïve Bayes Classifier Khamid*, Adhi Dharma Wibawa, Surya Sumpeno
2	Automatic Chord Arrangement with Key Detection for Monophonic Music Bor-Shen Lin*, Ting-Chun Yeh
3	Human Heart Rate Detection Application Semuil Tjiharjadi*, Aufar Fajar
4	Near Field Communication Technology in Delivering Information in Museums Djoni Haryadi Setiabudi*, Ryan Christian Wiguno, Henry Novianus Palit
5	Android Application for Monitoring Soil Moisture Using Raspberry Pi Lily Puspa Dewi*, Justinus Andjarwirawan, Robin Putra Wardojo
6	Development of Mobile Indoor Positioning System Application Using Android and Bluetooth Low Energy with Trilateration Method Agustinus Noertjahyana*, Ignatius Alex Wijayanto, Justinus Andjarwirawan

Room B - Assessments of Integrated IS/IT & Smart Assistive Technologies**Moderator:** David Habsara Hareva

1	Identifying Characteristics and Configurations in Open Source ERP in Accounting Using ASAP: A Case Study on SME Agung Terminanto*, Achmad Nizar Hidayanto
2	Epileptic Alert System on Smartphone Aziis Yudha Adwitiya, David Habsara Hareva*, Irene Astuti Lazarusli
3	Fall Detection Application Using Kinect Kartika Gunadi*, Liliana, Jonathan Tjitrokusmo
4	Elderly Healthcare Assistance Application Using Mobile Phone Andreas Handojo*, Tioe Julio Adrian Sutiono, Anita Nathania Purbowo
5	Socially-enhanced Variants of Mobile Bingo Game: Towards Personalized Cognitive and Social Engagement among Seniors Chien-Sing Lee*, Shanice Wei-Ling Chan, Sheng-Yee Guy
6	Driver Drowsiness Detection Using Visual Information on Android Device Aldila Riztiane, David Habsara Hareva, Dina Stefani, Samuel Lukas*

Room C - Simulation and Virtual Reality Applications**Moderator:** Apriandy Angdresey

1	The Real Time Training System with Kinect: Trainer Approach Ivana Valentine Masala, Apriandy Angdresey*
2	Simulation on Crowd Mobility of Moving Objects Using Multi-Agent and ClearPath Baihaqi Siregar, Agnes Irene Silitonga, Erna Budhiarti Nababan, Ulfi Andayani, Fahmi*
3	Truck Management Integrated Information System in a Shipping Line Company Arnold Samuel Chan*, Nyoman Sutapa
4	Development of Interactive Learning Media for Simulating Human Digestive System Kristo Radion Purba*, Liliana, Daniel Runtulala
5	Simulation of Atmosphere in Trowulan during the Golden Era of Majapahit Using Virtual Reality Daniel Kusuma, Rudy Adipranata*, Erandaru
6	Development of Interactive Learning Media for Simulating Human Blood Circulatory System Kristo Radion Purba*, Liliana, Yohanes Nicolas Paulo Kwarrie

Parallel Session 3

Thursday, September 28, 13.30-15.00

Room A - Algorithms for Intelligent Computation Moderator: Ade Jamal	
1	The Proposal of the Software for the Soft Targets Assessment Lucia Duricova*, Martin Hromada, Jan Mrazek
2	Multiple Scattered Local Search for Course Scheduling Problem Ade Jamal*
3	Extended Concept of Generalized Fuzzy Rough Sets on Asymmetric Fuzzy Coverings Rolly Intan*
4	Application of Artificial Intelligence (AI) in Search Engine Optimization (SEO) Yodhi Yuniarthe*
5	Spatial Model Design of Landslide Vulnerability Early Detection with Exponential Smoothing Method Using Google API Kristoko Dwi Hartomo*, Sri Yulianto, Joko Ma'ruf
6	Measures of Dependency in Metric Decision Systems and Databases Anh Duy Tran*, Somjit Arch-int, Ngamnij Arch-int
Room B - Feature Extraction and Image Recognition Methods Moderator: Anastasia Rita Widiarti	
1	Timor Leste Tais Motif Recognition Using Wavelet and Backpropagation Vasio Sarmiento Soares*, Albertus Joko Santoso, Djoko Budyanto Setyohadi
2	The Model and Implementation of Javanese Script Image Transliteration Anastasia Rita Widiarti*, Agus Harjoko, Marsono, Sri Hartati
3	Human Activity Recognition by Using Nearest Neighbor Algorithm from Digital Image Muhammad Ihsan Zul*, Istianah Muslim, Luqman Hakim
4	Arca Detection and Matching Using Scale Invariant Feature Transform (SIFT) Method of Stereo Camera Aviv Yuniar Rahman*, Surya Sumpeno, Mauridhi Hery Purnomo
5	The Application of Deep Convolutional Denoising Autoencoder for Optical Character Recognition Preprocessing Christopher Wiraatmaja*, Kartika Gunadi, Iwan Njoto Sandjaja
6	Acne Segmentation and Classification Using Region Growing and Self-Organizing Map Gregorius Satia Budhi, Rudy Adipranata*, Ari Gunawan
Room C - Simulation and Virtual Reality Applications & Case Studies of Knowledge Discovery and Management Moderator: Nyoman Karna	

1	Periodic Review Inventory Model Simulations for Imperfect Quality Items and Stochastic Demand Gede A. Widyadana*, Audrey T. Widjaja, Irena Liong
2	3D LIDAR City Model Application and Marketing Plan Development Kevin Sanjaya, Frank Henning, Kristo Radion Purba*
3	A Knowledge Management-extended Gamified Customer Relationship Management System Chien-Sing Lee*, Pei-Yee Chan, Jun-Jie Foo, Weng-Keen Hor, Eng-Keong Chan, Vinudha a/p Jeya Sangar
4	Replenishment Strategy PCBA in House by Improving Safety Stock at PT. X Allysia Ongkicyntia, Jani Rahardjo*
5	Web Based Application Customer Relationship Management for Helping Sales Analysis on Bike Manufacturer Anita Nathania Purbowo*, Yulia, Agustinus Ivan Suryadi
6	Executive Dashboard as a Tool for Knowledge Discovery Nyoman Karna*

Parallel Session 4

Thursday, September 28, 15.30-17.00

Room A - Smart Mobile Applications	
Moderator: Auxesis Jacobi M. Schwab	
1	Empowering Public Secondary Schools on Disaster Response and Recovery: A Framework for the Development of Helpline Mobile Application Odette Saavedra, Matthew C. Abrera, Mickaela Carla L. Waniwan, Curly Kale C. Dava*, Bernie S. Fabito
2	A Framework Mobile Game Application that Teaches Parts of Speech in Grade 3 in Filipino John Erasmus Correa, Jastine Gamboa, Mark Edison Lavapie, Edzel Uy*, Ramon L. Rodriguez
3	iSagip: A Crowdsourc Disaster Relief and Monitoring Application Framework Auxesis Jacobi M. Schwab*, John Eduard C. Omaña, Kent V. Roazol, Ted Anthony Y. Abe, Bernie S. Fabito
4	M-Guide: Recommending Systems of Food Centre in Buleleng Regency Komang Ananta Wijaya*, Suyoto, Albertus Joko Santoso
5	M-Guide: Hybrid Recommender System Tourism in East Timor Jaime da Costa Lobo Soares*, Suyoto, Albertus Joko Santoso
Room B - Smart Mobile Applications & Case Studies of Knowledge Discovery and Management	
Moderator: Bernie S. Fabito	
1	Data Mining Applications for Sales Information System by Using Market Basket Analysis on Stationery Company Alexander Setiawan*, Gregorius Satia Budhi, Djoni Haryadi Setiabudi, Ricky Djunaidy

2	On Estimation and Prediction of Simple Model and Spatial Hierarchical Model for Temperature Extremes Indriati Njoto Bisono*
3	Empowering Public Secondary Schools on Disaster Response and Recovery: A Framework for the Development of Helpline Mobile Application Odette Saavedra, Matthew C. Abrera, Mickaela Carla L. Waniwan, Curly Kale C. Dava*, Bernie S. Fabito
4	Night to Day Algorithm for Video Camera Stefan Jack Lionardi, Mariëlle Fransen, Andreas Handojo*