

Schedule of Events

Session 1

Thursday, March 12, 11.00-12.00

Room A - Fuzzy Logic and Control System	
1	A Study of Laundry Tidiness: Laundry State Determination Using Video and 3D Sensors <i>Daiki Hirose, Tsutomu Miyoshi, and Kazuki Maiya</i>
2	Direction Control System on a Carrier Robot Using Fuzzy Logic Controller <i>Kevin Ananta Kurniawan, Darmawan Utomo, and Saptadi Nugroho</i>
3	Multidimensional Fuzzy Association Rules for Developing Decision Support System at Petra Christian University <i>Yulia, Siget Wibisono, and Rolly Intan</i>
Room B - Classification and Clustering Techniques	
1	The Data Analysis of Stock Market Using a Frequency Integrated Spherical Hidden Markov Self Organizing Map <i>Gen Niina, Tatsuya Chuuto, Hiroshi Dozono, and Kazuhiro Muramatsu</i>
2	Attribute Selection Based on Information Gain for Automatic Grouping Student System <i>Oktariani Nurul Pratiwi, Budi Rahardjo, and Suhono Harso Supangkat</i>
3	Data Clustering through Particle Swarm Optimization Driven Self-Organizing Maps <i>Tad Gonsalves and Yasuaki Nishimoto</i>

Session 2

Thursday, March 12, 14.00-15.00

Room A - Cloud and Parallel Computing	
1	Lightweight Virtualization in Cloud Computing for Research <i>Muhamad Fitra Kacamarga, Bens Pardamean, and Hari Wijaya</i>
2	A Cloud-Based Retail Management System <i>Adewole Adewumi, Stanley Ogbuchi, and Sanjay Misra</i>
3	Towards a Cloud-Based Data Storage Medium for E-learning Systems in Developing Countries <i>Temitope Olokunde and Sanjay Misra</i>
4	Fast and Efficient Parallel Computations Using a Cluster of Workstations to Simulate Flood Flows <i>Sudi Mungkasi and J.B. Budi Darmawan</i>
Room B - Artificial Intelligence and Machine Learning	
1	Implementation Discrete Cosine Transform and Radial Basis Function Neural Network in Facial Image Recognition <i>Marprin H. Muchri, Samuel Lukas, and David Habsara Hareva</i>
2	Implementation of Artificial Intelligence with 3 Different Characters of AI Player on "Monopoly Deal" Computer Game <i>Irene A. Lazarusli, Samuel Lukas, and Patrick Widjaja</i>
3	Optimizing Instruction for Learning Computer Programming – A Novel Approach <i>Muhammed Yousoof Ismail and Mohd Sapiyan Baba</i>
4	Sequential Pattern Mining Application to Support Customer Care "X" Clinics <i>Alexander Setiawan, Adi Wibowo, and Samuel Kurniawan</i>

Session 3

Thursday, March 12, 15.30-16.30

Room A - Feature Extraction	
1	Multiclass Fruit Classification of RGB-D Images using Color and Texture Feature <i>Ema Rachmawati, Iping Supriana Suwardi, and Masayu Leylia Khodra</i>
2	Content-Based Image Retrieval Using Features in Spatial and Frequency Domains <i>Kazuhiro Kobayashi and Qiu Chen</i>
3	Feature Extraction for Java Character Recognition <i>Rudy Adipranata, Liliana, Meiliana Indrawijaya, and Gregorius Satia Budhi</i>
4	Fast Performance Indonesian Automated License Plate Recognition Algorithm Using Interconnected Image Segmentation <i>Samuel Mahatmaputra Tedjojuwono</i>
Room B - Intelligent Network	
1	Spanning Tree Protocol Simulation Based on Software Defined Network Using Mininet Emulator <i>Indrarini Dyah Irawati and Mohammad Nuruzzamanirridha</i>
2	Varnish Web Cache Application Evaluation <i>Justinus Andjarwirawan, Ibnu Gunawan, and Eko Bayu Kusumo</i>
3	DACK-XOR: An Opportunistic Network Coding Scheme to Address Intra-Flow Contention over Ad Hoc Networks <i>Radha Ranganathan, Kathiravan Kannan, Aarthi P., and Lakshmi Priya S.</i>
4	Network Security Situation Prediction: A Review and Discussion <i>Yu Beng Leau and Selvakumar Manickam</i>

Session 4

Thursday, March 12, 16.30-17.30

Room A - Similarity-Based Models	
1	The Comparison of Distance-Based Similarity Measure to Detection of Plagiarism in Indonesian Text <i>Tari Mardiana, Teguh Bharata Adji, and Indriana Hidayah</i>
2	Document Searching Engine Using Term Similarity Vector Space Model on English and Indonesian Document <i>Andreas Handojo, Adi Wibowo, and Yovita Ria</i>
3	Knowledge Representation for Image Feature Extraction <i>Nyoman Karna, Iping Supriana Suwardi, and Nur Maulidevi</i>
4	Using Semantic Similarity for Identifying Relevant Page Numbers for Indexed Term of Textual Book <i>Daniel Siahaan and Sherly Christina</i>
Room B - Strategic Planning	
1	Lecturers and Students Technology Readiness in Implementing Services Delivery of Academic Information System In Higher Education Institution: A Case Study <i>Rorim Panday and John Tampil Purba</i>
2	Enhancing the Student Engagement in an Introductory Programming: A Holistic Approach in Improving the Student Grade in the Informatics Department of the University of Surabaya <i>Budi Hartanto</i>
3	Business Process Maturity at Agricultural Commodities Company <i>Lily Puspa Dewi, Adi Wibowo, and Andre Leander</i>
4	Innovation Strategy Services Delivery: An Empirical Case Study of Academic Information Systems in Higher Education Institution <i>John Tampil Purba and Rorim Panday</i>

Session 5

Friday, March 13, 10.30-11.30

Room A - Image Recognition	
1	A Study of Laundry Tidiness: Socks Pairing Using Video and 3D Sensors <i>Kazuki Maiya, Tsutomu Miyoshi, and Daiki Hirose</i>
2	Design and Implementation of Skeletonization <i>Kartika Gunadi, Liliana, and Gideon Simon</i>
3	A Computer-Aided Diagnosis System for Vitiligo Assessment: A Segmentation Algorithm <i>Arfika Nurhudatiana</i>
4	Face Recognition for Additional Security at Parking Place <i>Semuil Tjiharjadi and William Setiadarma</i>
5	Optic Disc Segmentation Based on Red Channel Retinal Fundus Images <i>KZ Widhia Oktoeberza, Hanung Adi Nugroho, and Teguh Bharata Adji</i>
Room B - Genetic Algorithm and Heuristic Approaches	
1	Genetic Algorithm for Scheduling Courses <i>Gregorius Satia Budhi, Kartika Gunadi, and Denny Alexander Wibowo</i>
2	Optimization of Auto Equip Function in Role-Playing Game Based on Standard Deviation of Character's Stats using Genetic Algorithm <i>Kristo Radion Purba</i>
3	The Design of Net Energy Balance Optimization Model for Crude Palm Oil Production <i>Jaizuluddin Mahmud, Marimin, Erliza Hambali, Yandra Arkeman, and Agus R. Hoetman</i>
4	ACO-LS Algorithm for Solving No-Wait Flow Shop Scheduling Problem <i>Ong Andre Wahyu Riyanto and Budi Santosa</i>
5	A New Ant-Based Approach for Optimal Service Selection with E2E QoS Constraints <i>Dac-Nhuong Le and Gia Nhu Nguyen</i>

Session 6

Friday, March 13, 11.30-12.30

Room A - Intelligent Data Processing	
1	A Search Engine Development Utilizing Unsupervised Learning Approach <i>Mohd Noah Abdul Rahman, Afzaal H. Seyal, Mohd Saiful Omar, and Siti Aminah Maidin</i>
2	Handling Uncertainty in Ontology Construction Based on Bayesian Approaches: A Comparative Study <i>Foni Agus Setiawan, Wahyu Catur Wibowo, and Novita Br Ginting</i>
3	Applicability of Cyclomatic Complexity on WSDL <i>Sanjay Misra, Luis Fernandez-Sanz, Adewole Adewumi, Broderick Crawford, and Ricardo Soto</i>
Room B - Visualization Techniques	
1	Multimedia Design for Learning Media of Majapahit <i>Silvia Rostianingsih, Michael Chang, and Liliana</i>
2	Adding a Transparent Object on Image <i>Liliana, Meliana Luwuk, and Djoni Haryadi Setiabudi</i>
3	3D-Building Reconstruction Approach Using Semi-Global Matching Classified <i>Iqbal Rahmadhian Pamungkas and Iping Supriana Suwardi</i>

Session 7

Friday, March 13, 13.30-14.30

Room A - Intelligent Applications	
1	Public Transport Information System Using Android <i>Agustinus Noertjahyana, Gregorius Satia Budhi, and Agustinus Darmawan Andilolo</i>
2	Tool Support for Cascading Style Sheets' Complexity Metrics <i>Adewole Adewumi, Onyeka Emebo, Sanjay Misra, and Luis Fernandez-Sanz</i>
3	A Simulation Model for Strategic Planning in Asset Management of Electricity Distribution Network <i>Erma Suryani, Rully Agus Hendrawan, Phillips Faster Eka Adipraja, and Lily Puspa Dewi</i>
4	Towards e-Healthcare Deployment in Nigeria: The Open Issues <i>Jumoke Soyemi, Sanjay Misra, and Nicholas A. Omoregbe</i>
Room B - Intelligent Systems for Enterprise, Government and Society	
1	Generic Quantitative Assessment Model for Enterprise Resource Planning (ERP) System <i>Olivia and Kridanto Surendro</i>
2	The Impact of Customer Relationship Management Implementation on Efficiencies: Case Study from the Indonesia Retail Industry <i>Leo Willyanto Santoso, Yusak Kurniawan, and Ibnu Gunawan</i>
3	The Implementation of Customer Relationship Management and Its Impact on Customer Satisfaction: Case Study on General Trading and Contractor Company <i>Djoni Haryadi Setiabudi, Vennytha Lengkong, and Silvia Rostianingsih</i>