

F1a Data Mining and its Applications

Paper No.	Corresponding Author	Paper Title
F1a-1	P00054 Mr. SeungYong Yoon	Parallel Mining of Non-Redundant Recurrent Rules from a Sequence Database
F1a-2	P00075 Prof. Sungshin Kim	Gaussian-based SMOTE for solving the class imbalance problem
F1a-3	P00151 Dr. Gamage Upeksha Ganegoda	Influence of Swarm Intelligence in Data Clustering Mechanis
F1a-4	P00177 Mr. Ivan Dmitrievich Danyakin	Combined method of automated temporal information acquisition for development of knowledge bases of intelligent systems

F1b Affective Engineering and its Interactive Approach

Paper No.	Corresponding Author	Paper Title
F1b-1	P00042 Dr. Shigeru Kato	Affective Sound Modulation of Musical Instruments by using Neural Networks
F1b-2	P00109 Prof. Hiroyuki Inoue	Impression Space Analysis of Local Mascot Characters for Regional Promotion
F1b-3	P00114 Dr. Muneyuki Unehara	Design Support System with Consensus Building of Multiple Participants by Interactive Evolutionary Computation
F1b-4	P00120 Prof. Tatsuo Motoyoshi	A Tangible Programming Tool Incorporating the Concept of Functions as a Learning Element of Programming
F1b-5	P00136 Dr. Shigeru Kato	Food Texture Measurement Equipment Considering Air Conduction Sound with Neural Network
F1b-6	P00171 Prof. Makoto Fukumoto	Influence of Pronunciation Time of Bass Guitar on Perceived Groove

F1c Soft Intelligent and Computing

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F1c-1	P00029 Prof. Tian-Bo Deng	Phase System Design Using Linearized Constraint
F1c-2	P00071 Mr. Masaya Sakakibara	Designation of Candidate Solutions in Differential Evolution Based on Bandit Algorithm
F1c-3	P00081 Prof. Masataka Tokumaru	A Model for Robot of Decision Making for Selecting Cooperative Behaviors in a Group
F1c-4	P00083 Prof. Masataka Tokumaru	Enhancing the appropriateness of the communicative responses of robots-a novel response-suppression model based on interaction with human interlocutors-
F1c-5	P00183 Prof. Youngchul Bae	The relationship between chaotic dynamic and parameters based on Love model

F1d Machine Learning and its Applications III

Paper No.	Corresponding Author	Paper Title
F1d-1	P00022 Prof. Jee-Hyong Lee	Generating Natural Text with Adversarial Actor-Critic Learning
F1d-2	P00058 Prof. Kong Gon Seong	Head Pose Estimation via Manifold Learning on Global Features Extraction
F1d-3	P00076 Prof. Sungshin Kim	Thermal infrared object tracking using convolutional shallow features and kernelized correlation filter
F1d-4	P00095 Prof. Matsuda Nobuo	Effect of image resolution on fundus image analysis using filter bank
F1d-5	P00108 Prof. Katsuhiro Honda	Effect of Tuning Fuzziness Degree in k-member Co-clustering for k-anonymized Data Analysis
F1d-6	P00180 Mr. Seok Hyeon Seok	Postoperative Pain Assessment based on Photoplethysmography Analysis

F1e IoT Applications

Paper No.	Corresponding Author	Paper Title
F1e-1	P00141 Dr. Mohamed Fazil Mohamed Firdhous	(Cloud, IoT)-Powered Weather Station for Microclimate Monitoring
F1e-2	P00152 Prof. Yeichang Kim	A Study on Context Information Sharing System Design for Multi-user based on Beacon: Focused on the Revitalization of Traditional Market
F1e-3	P00159 Prof. Yeichang Kim	A Study on Private Support System Model Design for Guarantee the Privacy of Sensors and Aid Recipients
F1e-4	P00172 Prof. Yunsik Son	A Binary Code Data Type Inference Method Using Long Short-Term Memory Networks
F1e-5	P00174 Dr. Mohamed Fazil Mohamed Firdhous	Data Security Implementations in Cloud Computing: A Review
F1e-6	P00206 Prof. Jung-Sook Kim	Design of Industrial Safety System using Small Datain Smart Factory

F1f Korea Institute of Industrial Technology (KITECH) Project

Paper No.	Corresponding Author	Paper Title
F1f-1	P00191 Dr. Sung-Ho Lee	Torque Characteristics considering Volume of Magnetic Coupling for Underwater Propulsion
F1f-2	Dr. Daeyoung Im	Development of Hybrid Type Magnetic Position Sensor Using RFID and Magnetic Field Sensor
F1f-3	Dr. Sang-Ho Kim	Development of Electric Vehicle for Green House
F1f-4	Dr. Jinsub Lim	Improved Electrochemical Properties of lithium ion conductor material coated Li[Ni _{0.7} Co _{0.15} Mn _{0.15}]O ₂