IAENG
International Association of Engineers

| About IAENG | Membership | Publications | IAENG News | Site Map | Contact Us |

Sunday, March 5, -1783

Online Journals
Conferences
IAENG Societies
Online Resources

Proceedings of the International MultiConference of Engineers and Computer Scientists 2015

IMECS 2015, 18-20 March, 2015, Hong Kong

The International MultiConference of Engineers and Computer Scientists has been organized by the International Association of Engineers (IAENG), a non-profit international association for the engineers and the computer scientists. The IMECS 2015 takes place in The Royal Garden Hotel, Kowloon, Hong Kong, 18-20 March, 2015.

The focus of our conference is on the frontier topics in the theoretical and applied engineering and computer science subjects. The IMECS conferences have been serving as good platforms for our members and the entire engineering community to meet with each other and to exchange ideas. The conferences have also stroke a balance between theoretical and application development.

Our IMECS 2015 has been organized with conference committees that have been formed with over three hundred committee members who are mainly research center heads, faculty deans, department heads, professors, and research scientists from over 30 countries. The conferences are truly international meetings with a high level of participation from many countries.

The response that we have received for the multiconference is excellent. The IMECS 2015 has attracted more than six hundred participants from over 50 countries. All submitted papers have gone through the peer review process. The summary of submissions and accepted papers in IMECS 2015 is as followed: total number of submissions reviewed: 617; total number of accepted papers: 313. And the overall acceptance rate in our multiconference is 50.73%.

IMECS 2015

▶**Conference Home**

▶**Conference Committee**

▶**Coming Conference**

▶**Order Conference Publication**

▶**Contact Us**

Join IAENG Now!

▶**IAENG Membership** is free.

▶**Our societies** welcome committee members too.

▶**Our journals** are waiting for your involvement.

Editors: S. I. Ao and Oscar Castillo and Craig Douglas and David Dagan Feng and Jeong-A Lee

ISBN of Vol I (pp1-592): 978-988-19253-2-9

ISBN of Vol II (pp593-1045): 978-988-19253-9-8

ISSN: 2078-0958 (Print) / ISSN: 2078-0966 (Online)

Publisher: Newswood Limited

Organization: International Association of Engineers

CONFERENCE PAPERS:

The 2015 IAENG International Conference on Artificial Intelligence and Applications

Air Conditioning Control System Learning Sensory Scale Based on Reinforcement Learning

Yohei Yamaguchi, Noritaka Shigei, and Hiromi Miyajima

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp1-6 [Online Full Text]

Yohei Yamaguchi, Noritaka Shigei, and Hiromi Miyajima, "Air Conditioning Control System Learning Sensory Scale Based on Reinforcement Learning," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp1-6

Mutual Information-based Feature Selection in Spectrometric Data for Agriculture Applications

L.J. Herrera, V. Lafuente, R Ghinea, M.M Perez, I. Negueruela, H. Pomares, I. Rojas, and A. Guillen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp7-13 [Online Full Text]

L.J. Herrera, V. Lafuente, R Ghinea, M.M Perez, I. Negueruela, H. Pomares, I. Rojas, and A. Guillen, "Mutual Information-based Feature Selection in Spectrometric Data for Agriculture Applications," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp7-13

A Comparative Study on CT Image Segmentation Using FCM-based Clustering Methods

Chih-Hung Wu, Xian-Ren Lo, and Chen-Sen Ouyang

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp14-18 [Online Full Text]

Chih-Hung Wu, Xian-Ren Lo, and Chen-Sen Ouyang, "A Comparative Study on CT Image Segmentation Using FCM-based Clustering Methods," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp14-18

Establishing Relationships between Emotion Taxonomies Using the Vector Space Model

Lei Duan, Satoshi Oyama, Masahito Kurihara, and Haruhiko Sato

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp19-24 [Online Full Text]

Lei Duan, Satoshi Oyama, Masahito Kurihara, and Haruhiko Sato, "Establishing Relationships between Emotion Taxonomies Using the Vector Space Model," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp19-24

Time Series Forecasting of Energy Commodity using Grey Wolf Optimizer

Yuhanis Yusof, and Zuriani Mustaffa

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp25-30 [Online Full Text]

Yuhanis Yusof, and Zuriani Mustaffa, "Time Series Forecasting of Energy Commodity using Grey Wolf Optimizer," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp25-30

Music Recommender System Using a Forehead-mounted Electrical Potential Monitoring Device to Classify Mental States

Sungri Chong, Ryosuke Yamanishi, Yasuhiro Tsubo, Haruo Sakuma, and Kyoji Kawagoe

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp31-35 [Online Full Text]

Sungri Chong, Ryosuke Yamanishi, Yasuhiro Tsubo, Haruo Sakuma, and Kyoji Kawagoe, "Music Recommender System Using a Forehead-mounted Electrical Potential Monitoring Device to Classify Mental States," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp31-35

Evaluation of Sine-Based Chaotic Strategy for Adapting Inertia Weight of Particle Swarm Optimization

Yu-Huei Cheng

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp36-40 [Online Full Text]

Yu-Huei Cheng, "Evaluation of Sine-Based Chaotic Strategy for Adapting Inertia Weight of Particle Swarm Optimization," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp36-40

A New Method for Marshaling of Freight Train with Generalization Capability Based on the Processing Time

Yoichi Hirashima

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp41-46 [Online Full Text]

Yoichi Hirashima, "A New Method for Marshaling of Freight Train with Generalization Capability Based on the Processing Time," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp41-46

A Novel Approach for Classification of Congestive Heart Failure Using Relatively Short-term ECG Waveforms and SVM Classifier

Ken Ying-Kai Liao, Chuang-Chien Chiu, and Shoou-Jeng Yeh

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp47-50 [Online Full Text]

Ken Ying-Kai Liao, Chuang-Chien Chiu, and Shoou-Jeng Yeh, "A Novel Approach for Classification of Congestive Heart Failure Using Relatively Short-term ECG Waveforms and SVM Classifier," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp47-50

On the Capability of a Fuzzy Inference System with Improved Interpretability

Hirofumi Miyajima, Noritaka Shigei, and Hiromi Miyajima

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp51-56 [Online Full Text]

Hirofumi Miyajima, Noritaka Shigei, and Hiromi Miyajima, "On the Capability of a Fuzzy Inference System with Improved Interpretability," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp51-56

Forecasting the Prices of TAIEX Options by Using Genetic Programming and Support Vector Regression

Chih-Ming Hsu, Ying-Chi Fu, Yu-Chun Liu, and Chun-Yi Peng

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp57-62 [Online Full Text]

Chih-Ming Hsu, Ying-Chi Fu, Yu-Chun Liu, and Chun-Yi Peng, "Forecasting the Prices of TAIEX Options by Using Genetic Programming and Support Vector Regression," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp57-62

The 2015 IAENG International Conference on Bioinformatics

Identifying Stress-induced and LDL-induced Differentially Expressed Genes in Vascular Smooth Muscle Cells

Chien-Hung Huang, Jin-Shuei Ciou, Shun-Tsung Chen, Ke-Rung Tzeng, Jeffrey J. P. Tsai, Nilubon Kurubanjerdjit, and Ka-Lok Ng

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp63-66 [Online Full Text]

Chien-Hung Huang, Jin-Shuei Ciou, Shun-Tsung Chen, Ke-Rung Tzeng, Jeffrey J. P. Tsai, Nilubon Kurubanjerdjit, and Ka-Lok Ng, "Identifying Stress-induced and LDL-induced Differentially Expressed Genes in Vascular Smooth Muscle Cells," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp63-66

Prospective of Medical Cost for Diabetes Mellitus for Sex and Age Group in Range 2012-2050: Case of Mexico

Dora E. Ledesma-Carrion, Lidia Hernandez-Hernandez, and Maria Teresa Leonor Mucino-Porras

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp67-72 [Online Full Text]

Dora E. Ledesma-Carrion, Lidia Hernandez-Hernandez, and Maria Teresa Leonor Mucino-Porras, "Prospective of Medical Cost for Diabetes Mellitus for Sex and Age Group in Range 2012-2050: Case of Mexico," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp67-72

The 2015 IAENG International Conference on Computer Science

A Network-Based Scalability Model for Distributed Real-Time Resource Management

Dominik Meilander, Marcel Lorke, and Sergei Gorlatch

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp73-78 [Online Full Text]

Dominik Meilander, Marcel Lorke, and Sergei Gorlatch, "A Network-Based Scalability Model for Distributed Real-Time Resource Management," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp73-78

Load Value Prediction Method to Utilize Prediction Miss Bias

Nobuhiro Moriwaki, Lin Meng, and Shigeru Oyanagi

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp79-84 [Online Full Text]

Nobuhiro Moriwaki, Lin Meng, and Shigeru Oyanagi, "Load Value Prediction Method to Utilize Prediction Miss Bias," Lecture Notes in Engineering and Computer Science:

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp79-84

A New ONU-initiated Doze Mode Energy-saving Mechanism in EPON

AliAkbar Nikoukar, I-Shyan Hwang, Andrew Tanny Liem, and Yu-Min Su

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp85-89 [Online Full Text]

AliAkbar Nikoukar, I-Shyan Hwang, Andrew Tanny Liem, and Yu-Min Su, "A New ONU-initiated Doze Mode Energy-saving Mechanism in EPON," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp85-89

Wikiaudia: Crowd-sourcing the Production of Audio and Digital Books

Ashwini Venkatesh, Lalitha M. V., Jyothi Narayana, and Kavi Mahesh

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp90-95 [Online Full Text]

Ashwini Venkatesh, Lalitha M. V., Jyothi Narayana, and Kavi Mahesh, "Wikiaudia: Crowd-sourcing the Production of Audio and Digital Books," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp90-95

Evaluation of a Similarity Search Method for Human Behavior (Extended LDSD)

Zhang Zuo, Hung-Hsuan Huang, and Kyoji Kawagoe

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp96-101 [Online Full Text]

Zhang Zuo, Hung-Hsuan Huang, and Kyoji Kawagoe, "Evaluation of a Similarity Search Method for Human Behavior (Extended LDSD)," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp96-101

Driving Behavior Analysis Based on Vehicle OBD Information and AdaBoost Algorithms

Shi-Huang Chen, Jeng-Shyang Pan, and Kaixuan Lu

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp102-106 [Online Full Text]

Shi-Huang Chen, Jeng-Shyang Pan, and Kaixuan Lu, "Driving Behavior Analysis Based on Vehicle OBD Information and AdaBoost Algorithms," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp102-106

Path-overlap Avoidance in Multiple Route Construction for Mobile Relay on WSN

Yogi Anggun Saloko Yudo, Noritaka Shigei, and Hiromi Miyajima

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp107-112 [Online Full Text]

Yogi Anggun Saloko Yudo, Noritaka Shigei, and Hiromi Miyajima, "Path-overlap Avoidance in Multiple Route Construction for Mobile Relay on WSN," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp107-112

Research in Modeling of Complex Adaptive Petri Net

WANG Jun, and YU Weidong

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp113-117 [Online Full Text]

WANG Jun, and YU Weidong, "Research in Modeling of Complex Adaptive Petri Net," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp113-117

On Duality Concepts regarding Hypergraphs and Propositional Formulas

Stefan Porschen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp118-123 [Online Full Text]

Stefan Porschen, "On Duality Concepts regarding Hypergraphs and Propositional Formulas," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp118-123

Analysis of Vehicle Tracking Maps in Iwate Prefecture Following the 2011 Tohoku Earthquake

Noriaki Endo, and Hayato Komori

Toshihiro Tani, Hung-Hsuan Huang, and Kyoji Kawagoe

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp161-166 [Online Full Text]

Toshihiro Tani, Hung-Hsuan Huang, and Kyoji Kawagoe, "Sports Play Visualization System for American Football," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp161-166

Application of Language Modelling in Sentiment Analysis for Faculty Comment Evaluation

Ria A. Sagum, Jessiree Grace M. de Vera, Prince John S. Lansang, Danica Sharon R. Narciso, and Jahren K. Respeto

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp167-171 [Online Full Text]

Ria A. Sagum, Jessiree Grace M. de Vera, Prince John S. Lansang, Danica Sharon R. Narciso, and Jahren K. Respeto, "Application of Language Modelling in Sentiment Analysis for Faculty Comment Evaluation," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp167-171

AOS: Adaptive Out-of-order Scheduling for Write-caused Interference Reduction in Solid State Disks

Pingguo Li, Fei Wu, You Zhou, Changsheng Xie, and Jiang Yu

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp172-177 [Online Full Text]

Pingguo Li, Fei Wu, You Zhou, Changsheng Xie, and Jiang Yu, "AOS: Adaptive Out-of-order Scheduling for Write-caused Interference Reduction in Solid State Disks," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp172-177

Development of a Region-of-Uninterest (ROU) Detection System for Multimedia Applications

Kana MIYAWAKI, Hung-Hsuan HUANG, and Kyoji KAWAGOE

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp178-183 [Online Full Text]

Kana MIYAWAKI, Hung-Hsuan HUANG, and Kyoji KAWAGOE, "Development of a Region-of-Uninterest (ROU) Detection System for Multimedia Applications," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp178-183

Architectural Design for Allocation, Storage and Retrieval of Distributed Multimedia Data

Nithya K, and B. Vijayakumar

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp184-188 [Online Full Text]

Nithya K, and B. Vijayakumar, "Architectural Design for Allocation, Storage and Retrieval of Distributed Multimedia Data," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp184-188

An Exploratory Study in Displaying Interactive Car Catalogue System on Multi-Touch Tabletop

Suziah Sulaiman, Dayang Rohaya Awang Rambli, Shanggar Mathawan, and Ahsanullah Abro

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp189-194 [Online Full Text]

Suziah Sulaiman, Dayang Rohaya Awang Rambli, Shanggar Mathawan, and Ahsanullah Abro, "An Exploratory Study in Displaying Interactive Car Catalogue System on Multi-Touch Tabletop," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp189-194

Risk Model For Software Development Personnel

Esiefarienrhe Michael Bukohwo

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp195-200 [Online Full Text]

Esiefarienrhe Michael Bukohwo, "Risk Model For Software Development Personnel," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp195-200

An Efficient Implementation of Multi-Context Algebraic Reasoning System with Lazy Evaluation

ChengCheng Ji, Haruhiko Sato, and Masahito Kurihara

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp201-205 [Online Full Text]

ChengCheng Ji, Haruhiko Sato, and Masahito Kurihara, "An Efficient Implementation of Multi-Context Algebraic Reasoning System with Lazy Evaluation," Lecture Notes in

Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp201-205

A Python Class for Higher-Dimensional Schrodinger Equations

Amna Noreen, and Kare Olaussen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp206-211 [Online Full Text]

Amna Noreen, and Kare Olaussen, "A Python Class for Higher-Dimensional Schrodinger Equations," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp206-211

Modified A-LTK: Improvement of a Multi-dimensional Time Series Classification Method

Yu Fang, Hung-Hsuan Huang, and Kyoji Kawagoe

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp212-216 [Online Full Text]

Yu Fang, Hung-Hsuan Huang, and Kyoji Kawagoe, "Modified A-LTK: Improvement of a Multi-dimensional Time Series Classification Method," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp212-216

The 2015 IAENG International Conference on Control and Automation

Remarks on Solving Algebraic Riccati Matrix Equations using a Hopfield Neural Network and Application to Optimal Control Problems

Kazuhiko Takahashi, Sakie Sakae, and Masafumi Hashimoto

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp217-220 [Online Full Text]

Kazuhiko Takahashi, Sakie Sakae, and Masafumi Hashimoto, "Remarks on Solving Algebraic Riccati Matrix Equations using a Hopfield Neural Network and Application to Optimal Control Problems," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp217-220

A PLC-Based Adaptive Control of Superheated Steam Treatment System (SSTS) for Stabilized Brown Rice (SBR)

Dominic S. Guevarra, Joein L. Luces, Renann G. Baldovino, and Melvin L. Vista

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp221-225 [Online Full Text]

Dominic S. Guevarra, Joein L. Luces, Renann G. Baldovino, and Melvin L. Vista, "A PLC-Based Adaptive Control of Superheated Steam Treatment System (SSTS) for Stabilized Brown Rice (SBR)," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp221-225

Implementation of Self-Tuning Fuzzy PI Controller on DCS for Flow Control System

K. Assawathanatorn, K. Anuntahirunrat, and S. Chitwong

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp226-230 [Online Full Text]

K. Assawathanatorn, K. Anuntahirunrat, and S. Chitwong, "Implementation of Self-Tuning Fuzzy PI Controller on DCS for Flow Control System," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp226-230

Variation of Air Circulating Velocity in Thermal Drying Oven to Reduce Energy Loss

Patsarawan Lipikanjanakul, and Paisan Kittisupakorn

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp231-236 [Online Full Text]

Patsarawan Lipikanjanakul, and Paisan Kittisupakorn, "Variation of Air Circulating Velocity in Thermal Drying Oven to Reduce Energy Loss," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp231-236

Real-Time Implementation of a Power Series Based Nonlinear Controller for the Balance of a Single Inverted Pendulum

Emese Kennedy, and Hien Tran

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp237-241 [Online Full Text]

Emese Kennedy, and Hien Tran, "Real-Time Implementation of a Power Series Based Nonlinear Controller for the Balance of a Single Inverted Pendulum," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp237-241

A PC-Based Controller for the Computer Numerically-Controlled (CNC) LASER Machine

Jayson P. Rogelio, and Renann G. Baldovino

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp242-247 [Online Full Text]

Jayson P. Rogelio, and Renann G. Baldovino, "A PC-Based Controller for the Computer Numerically-Controlled (CNC) LASER Machine," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp242-247

Research in Virtual Cotton Spinning Process based on CAPN

Wang Jun, Feng Guanghui, and Yu Weidong

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp248-252 [Online Full Text]

Wang Jun, Feng Guanghui, and Yu Weidong, "Research in Virtual Cotton Spinning Process based on CAPN," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp248-252

Performance of a Variable Speed of the Split Unit Air Conditioning System using Fuzzy Logic Controller

Henry N., Afiq A. Dahlan, Affandi M. Nasib, Azhar A. Aziz, and Sumeru

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp253-257 [Online Full Text]

Henry N., Afiq A. Dahlan, Affandi M. Nasib, Azhar A. Aziz, and Sumeru, "Performance of a Variable Speed of the Split Unit Air Conditioning System using Fuzzy Logic Controller," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp253-257

Study of Reaction Temperature and Sulfur Dioxide Feed Rate in the Sulfur Iodine Production Cycle Reactions

Warunee Chankerd, Paisan Kittisupakorn, and Iqbal Mohammed Mujtaba

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp258-262 [Online Full Text]

Warunee Chankerd, Paisan Kittisupakorn, and Iqbal Mohammed Mujtaba, "Study of Reaction Temperature and Sulfur Dioxide Feed Rate in the Sulfur Iodine Production Cycle Reactions," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp258-262

Performance Evaluation of Extended Kalman Filtering for Obstacle Avoidance of Mobile Robots

Chih-Hung Wu, Wei-Zhou Hong, and Shing-Tai Pan

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp263-267 [Online Full Text]

Chih-Hung Wu, Wei-Zhou Hong, and Shing-Tai Pan, "Performance Evaluation of Extended Kalman Filtering for Obstacle Avoidance of Mobile Robots," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp263-267

Optimization of Microwave Vacuum Dryer Design Parameters using CST Microwave Studio for Low-Moisture Food Application

Jayson P. Rogelio, Geoffrey L. Abulencia, Renann G. Baldovino, Tracy Ann U. Tolentino, and Ronie S. Alamon

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp268-273 [Online Full Text]

Jayson P. Rogelio, Geoffrey L. Abulencia, Renann G. Baldovino, Tracy Ann U. Tolentino, and Ronie S. Alamon, "Optimization of Microwave Vacuum Dryer Design Parameters using CST Microwave Studio for Low-Moisture Food Application," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp268-273

The 2015 IAENG International Conference on Data Mining and Applications

Using Decision Trees to Characterize and Predict Movie Profitability on the US Market

Maria C. Burgos, Maria L. Campanario, Juan A. Lara, and David Lizcano

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp274-279 [Online Full Text]

Maria C. Burgos, Maria L. Campanario, Juan A. Lara, and David Lizcano, "Using Decision Trees to Characterize and Predict Movie Profitability on the US Market," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp274-279

A Parallel Minimum Attribute Co-reduction Accelerator based on Quantum-inspired SFLA and MapReduce Framework

Weiping Ding, Senbo Chen, and Xueyun Chen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp280-285 [Online Full Text]

Weiping Ding, Senbo Chen, and Xueyun Chen, "A Parallel Minimum Attribute Co-reduction Accelerator based on Quantum-inspired SFLA and MapReduce Framework," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp280-285

Feature Extraction based Approaches for Improving the Performance of Intrusion Detection Systems

Long-Sheng Chen, and Jhih-Siang Syu

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp286-291 [Online Full Text]

Long-Sheng Chen, and Jhih-Siang Syu, "Feature Extraction based Approaches for Improving the Performance of Intrusion Detection Systems," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp286-291

Classifications of Emotion Expressed by Filipinos through Tweets

Michael M. Pippin Jr., Ron Jairus C. Odasco, Ronald E. De Jesus Jr., Miguel Angelo Tolentino, and Rex P. Bringula

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp292-296 [Online Full Text]

Michael M. Pippin Jr., Ron Jairus C. Odasco, Ronald E. De Jesus Jr., Miguel Angelo Tolentino, and Rex P. Bringula, "Classifications of Emotion Expressed by Filipinos through Tweets," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp292-296

Extraction of the Combination Rules of Colors and Derived Fashion Images Using Fashion Styling Data

Yuta Koge, Taishi Murakami, Yoshiaki Kurosawa, Kazuya Mera, and Toshiyuki Takezawa

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp297-300 [Online Full Text]

Yuta Koge, Taishi Murakami, Yoshiaki Kurosawa, Kazuya Mera, and Toshiyuki Takezawa, "Extraction of the Combination Rules of Colors and Derived Fashion Images Using Fashion Styling Data," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp297-300

Entropy Information Based Assessment of Cascade Control Loops

J. Chen, J. Zhang, and L. Zhang

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp301-306 [Online Full Text]

J. Chen, J. Zhang, and L. Zhang, "Entropy Information Based Assessment of Cascade Control Loops," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp301-306

Mining Association Rules on Students' Profiles and Personality Types

Glenn Paul P. Gara, and Francis Rey F. Padao

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp307-312 [Online Full Text]

Glenn Paul P. Gara, and Francis Rey F. Padao, "Mining Association Rules on Students' Profiles and Personality Types," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp307-312

An Improved Collaborative Filtering Recommendation Algorithm Combining Item Clustering and Slope One Scheme

Haipeng You, Hui Li, Yunmin Wang, and Qingzhuang Zhao

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp313-316 [Online Full Text]

Haipeng You, Hui Li, Yunmin Wang, and Qingzhuang Zhao, "An Improved Collaborative Filtering Recommendation Algorithm Combining Item Clustering and Slope One Scheme," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp313-316

Using Feature Selection Approaches to Identify Crucial Factors of Mobile Advertisements

Long-Sheng Chen, and Chun-Cheng Liu

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp317-322 [Online Full Text]

Long-Sheng Chen, and Chun-Cheng Liu, "Using Feature Selection Approaches to Identify Crucial Factors of Mobile Advertisements," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp317-322

The 2015 IAENG International Conference on Imaging Engineering

Thermal Image Resolution on Angular Emissivity Measurements using Infrared Thermography

T. Nunak, K. Rakrueangdet, N. Nunak, and T. Suesut

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp323-327 [Online Full Text]

T. Nunak, K. Rakrueangdet, N. Nunak, and T. Suesut, "Thermal Image Resolution on Angular Emissivity Measurements using Infrared Thermography," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp323-327

Online Signature Verification for Multi-modal Authentication using Smart Phone

Navid Forhad, Bruce Poon, M. Ashraful Amin, and Hong Yan

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp328-331 [Online Full Text]

Navid Forhad, Bruce Poon, M. Ashraful Amin, and Hong Yan, "Online Signature Verification for Multi-modal Authentication using Smart Phone," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp328-331

Application of YIQ Color Model for Color Pattern Recognition with Shifted and Rotated Training Images in Optoelectronic Correlator

Yachu Hsieh, Chulung Chen, Hsinyi Chen, and Yiting Tsai

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp332-335 [Online Full Text]

Yachu Hsieh, Chulung Chen, Hsinyi Chen, and Yiting Tsai, "Application of YIQ Color Model for Color Pattern Recognition with Shifted and Rotated Training Images in Optoelectronic Correlator," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp332-335

Methods for Classifying Pictures and Generating Music by 2D DFA and 1D FFT

Hidefumi Kawakatsu

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp336-339 [Online Full Text]

Hidefumi Kawakatsu, "Methods for Classifying Pictures and Generating Music by 2D DFA and 1D FFT," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp336-339

A Method for Identifying Photo Composition of the Panoramic Image

Yin-De Shin, and Tsorng-Lin Chia

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp340-347 [Online Full Text]

Yin-De Shin, and Tsorng-Lin Chia, "A Method for Identifying Photo Composition of the Panoramic Image," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp340-347

An Image Size Invariant Method for Quick Detection of Dissimilar Binary Images

Adnan A. Y. Mustafa

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp348-353 [Online Full Text]

Adnan A. Y. Mustafa, "An Image Size Invariant Method for Quick Detection of Dissimilar Binary Images," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp348-353

3D Inspection for HDD Production Process using Laser Light Sectioning

S. Gulphanich, N. Nunak, and T. Suesut

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp354-357 [Online Full Text]

S. Gulphanich, N. Nunak, and T. Suesut, "3D Inspection for HDD Production Process using Laser Light Sectioning," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp354-357

The 2015 IAENG International Conference on Internet Computing and Web Services

Extraction of User Context for Recommendation from Access History

Takaaki Idera, Kenji Nakamura, and Shigeru Oyanagi

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp358-362 [Online Full Text]

Takaaki Idera, Kenji Nakamura, and Shigeru Oyanagi, "Extraction of User Context for Recommendation from Access History," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp358-362

Marketing via Social Networking Sites: A Study of Brand-Post Popularity for Brands in Singapore

Alton Y. K. Chua, and Snehasish Banerjee

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp363-368 [Online Full Text]

Alton Y. K. Chua, and Snehasish Banerjee, "Marketing via Social Networking Sites: A Study of Brand-Post Popularity for Brands in Singapore," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp363-368

A New Method Based on Tree Simplification and Schema Matching for Automatic Web Result Extraction and Matching

Yasar Gozudeli, Hacer Karacan, Oktay Yildiz, Mohammed R. Baker, Ali Minnet, Murat Kalender, Ozcan Ozay, and M. Ali Akcayol

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp369-373 [Online Full Text]

Yasar Gozudeli, Hacer Karacan, Oktay Yildiz, Mohammed R. Baker, Ali Minnet, Murat Kalender, Ozcan Ozay, and M. Ali Akcayol, "A New Method Based on Tree Simplification and Schema Matching for Automatic Web Result Extraction and Matching," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp369-373

The Usage Analysis of Web and Email Traffic on the University Internet Backbone Links

Shwan Dyllan, Dilip Saravanan, and Perry Xiao

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp374-377 [Online Full Text]

Shwan Dyllan, Dilip Saravanan, and Perry Xiao, "The Usage Analysis of Web and Email Traffic on the University Internet Backbone Links," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp374-377

A Graphical User Identifier Suggestion Function Scheme Using Sketching for Mobile Web-Services

Yusuke Matsuno, Hung-Hsuan HUANG, and Kyoji Kawagoe

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp378-381 [Online Full Text]

Yusuke Matsuno, Hung-Hsuan HUANG, and Kyoji Kawagoe, "A Graphical User Identifier Suggestion Function Scheme Using Sketching for Mobile Web-Services," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp378-381

eAttendance System for Academic Institutions

Gaurav Madan, Yashasvi Vedula, Anubha Varshney, Ranoo Sharma, and B Vijayakumar

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp382-386 [Online Full Text]

Gaurav Madan, Yashasvi Vedula, Anubha Varshney, Ranoo Sharma, and B Vijayakumar, "eAttendance System for Academic Institutions," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp382-386

Framework Enabling End-Users to Maintain Web Applications

Masayuki Nii, Kenji Tei, and Fuyuki Ishikawa

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp387-394 [Online Full Text]

Masayuki Nii, Kenji Tei, and Fuyuki Ishikawa, "Framework Enabling End-Users to Maintain Web Applications," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp387-394

The 2015 IAENG International Conference on Scientific Computing

Finite Difference Method for Boundary Value Problems Application: High Precision Electrostatics

David Edwards Jr.

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp395-400 [Online Full Text]

David Edwards Jr., "Finite Difference Method for Boundary Value Problems Application: High Precision Electrostatics," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp395-400

A Numerical Scheme for the Black-Scholes Equation with Variable Interest Rate Using Spectral Collocation and Backward-Differences

Fernandina A. Ko, and Roden Jason A. David

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp401-403 [Online Full Text]

Fernandina A. Ko, and Roden Jason A. David, "A Numerical Scheme for the Black-Scholes Equation with Variable Interest Rate Using Spectral Collocation and Backward-Differences," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp401-403

A Cell-centered Scheme for Solving Anisotropic Diffusion Equations on Skewed Meshes

Lina Chang

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp404-408 [Online Full Text]

Lina Chang, "A Cell-centered Scheme for Solving Anisotropic Diffusion Equations on Skewed Meshes," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp404-408

Scientific Computing with HOMsPy

Asif Mushtaq, Anne Kvaerno, and Kare Olaussen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp409-412 [Online Full Text]

Asif Mushtaq, Anne Kvaerno, and Kare Olaussen, "Scientific Computing with HOMsPy," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp409-412

Monotone Finite Volume Schemes for Diffusion Equations on Distorted Quadrilateral Meshes

Jing-yan Yue, Guang-wei Yuan, and Zhi-qiang Sheng

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp413-418 [Online Full Text]

Jing-yan Yue, Guang-wei Yuan, and Zhi-qiang Sheng, "Monotone Finite Volume Schemes for Diffusion Equations on Distorted Quadrilateral Meshes," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp413-418

Numerical Study of a Hybrid Particle Filter

Kendra Schmal, and Haiyan Cheng

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp419-422 [Online Full Text]

Kendra Schmal, and Haiyan Cheng, "Numerical Study of a Hybrid Particle Filter," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp419-422

Subspace Iteration on Steroids - A New Highly Parallel Non-Hermitian Eigensolver

Ping Tak Peter Tang, James Kestyn, and Eric Polizzi

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp423-431 [Online Full Text]

Ping Tak Peter Tang, James Kestyn, and Eric Polizzi, "Subspace Iteration on Steroids - A New Highly Parallel Non-Hermitian Eigensolver," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp423-431

Numerical Analysis for Some Parallel Algorithms with Large Step Length Spatial Discretizations for 2-dimensional Heat Equation

Xia Cui, and Zhi-Qiang Sheng

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp432-436 [Online Full Text]

Xia Cui, and Zhi-Qiang Sheng, "Numerical Analysis for Some Parallel Algorithms with Large Step Length Spatial Discretizations for 2-dimensional Heat Equation," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp432-436

Performance of Three Preconditioners for Image Deblurring Problem in Primal-Dual Formulation

F. Fairag, and A. Al-Mahdi

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp437-442 [Online Full Text]

F. Fairag, and A. Al-Mahdi, "Performance of Three Preconditioners for Image Deblurring Problem in Primal-Dual Formulation," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp437-442

Comparison between Two HLL-type Riemann Solvers for Strong Shock Calculation on ALE Framework

Zhijun Shen, and Wei Yan

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp443-447 [Online Full Text]

Zhijun Shen, and Wei Yan, "Comparison between Two HLL-type Riemann Solvers for Strong Shock Calculation on ALE Framework," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp443-447

The 2015 IAENG International Conference on Software Engineering

A Proposal of Graph-based Blank Element Selection Algorithm for Java Programming Learning with Fill-in-Blank Problems

Tana, and Nobuo Funabiki

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp448-453 [Online Full Text]

Tana, and Nobuo Funabiki, "A Proposal of Graph-based Blank Element Selection Algorithm for Java Programming Learning with Fill-in-Blank Problems," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp448-453

A Practical Study of Exact-BASIC Codes at the MSR Point in Distributed Storage Systems

Yumeng Zhang, Hui Li, Tai Zhou, Jun Chen, and Hanxu Hou

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp454-459 [Online Full Text]

Yumeng Zhang, Hui Li, Tai Zhou, Jun Chen, and Hanxu Hou, "A Practical Study of Exact-BASIC Codes at the MSR Point in Distributed Storage Systems," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp454-459

Roadmap to a DO-178C Formal Model-Based Software Engineering Methodology

Emanuel S. Grant, and Tanaya Datta

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp460-465 [Online Full Text]

Emanuel S. Grant, and Tanaya Datta, "Roadmap to a DO-178C Formal Model-Based Software Engineering Methodology," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp460-465

A Source Code and Test Cases Impact Analysis Tool for Database Schema Changes

Chanwit Sriarpanon, and Taratip Suwannasart

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp466-469 [Online Full Text]

Chanwit Sriarpanon, and Taratip Suwannasart, "A Source Code and Test Cases Impact Analysis Tool for Database Schema Changes," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp466-469

A Systematic Approach for Configuration Management in Software Product Lines

K.L.S. Soujanya, and A. Ananda Rao

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp470-475 [Online Full Text]

K.L.S. Soujanya, and A. Ananda Rao, "A Systematic Approach for Configuration Management in Software Product Lines," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp470-475

The Classification of Matching Applications for End-User-Initiative Development

Takeshi Chusho

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp476-481 [Online Full Text]

Takeshi Chusho, "The Classification of Matching Applications for End-User-Initiative Development," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp476-481

A Business Architecture Capability Meta Model and Tool-set for Providing Function Point Estimation for Enterprise Architecture Management

Francois A. du Toit, and Maureen Tanner

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp482-494 [Online Full Text]

Francois A. du Toit, and Maureen Tanner, "A Business Architecture Capability Meta Model and Tool-set for Providing Function Point Estimation for Enterprise Architecture Management," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp482-494

A Secure Mobile Payment Framework Based On Face Authentication

Zhaomiao Xu, Tao Zhang, Yujun Zeng, Jia Wan, and Wuyang Wu

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp495-501 [Online Full Text]

Zhaomiao Xu, Tao Zhang, Yujun Zeng, Jia Wan, and Wuyang Wu, "A Secure Mobile Payment Framework Based On Face Authentication," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp495-501

Automated Translation of Java Control Flow into Promela

Jirapat Lueangviriyayarn, and Wiwat Vatanawood

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp502-506 [Online Full Text]

Jirapat Lueangviriyayarn, and Wiwat Vatanawood, "Automated Translation of Java Control Flow into Promela," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp502-506

Markovian Reliability Analysis for Software using Error Generation and Imperfect Debugging

M. Kaushik, and G. Kumar

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp507-510 [Online Full Text]

M. Kaushik, and G. Kumar, "Markovian Reliability Analysis for Software using Error Generation and Imperfect Debugging," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp507-510

Towards an Approach to Guide End-user in Interactive Web Services Composition

Yassine Jamoussi

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp511-516 [Online Full Text]

Yassine Jamoussi, "Towards an Approach to Guide End-user in Interactive Web Services Composition," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp511-516

DePAT: A Framework for Specification-Based Automatic Test Generation

Simona Vasilache

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp517-522 [Online Full Text]

Simona Vasilache, "DePAT: A Framework for Specification-Based Automatic Test Generation," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp517-522

Test Case Impact Analysis from Use Case Description Changes

Tawan Sakkarinkul, and Taratip Suwannasart

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp523-527 [Online Full Text]

Tawan Sakkarinkul, and Taratip Suwannasart, "Test Case Impact Analysis from Use Case Description Changes," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp523-527

The 2015 IAENG International Conference on Communication Systems and Applications

Adaptive Delay Constraint Admission Control with Hierarchical DBA over GPON-LTE Converged Network

I-Shyan Hwang, Bor-Jiunn Hwang, Andrew Fernando Pakpahan, and AliAkbar Nikoukar

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp528-533 [Online Full Text]

I-Shyan Hwang, Bor-Jiunn Hwang, Andrew Fernando Pakpahan, and AliAkbar Nikoukar, "Adaptive Delay Constraint Admission Control with Hierarchical DBA over GPON-LTE Converged Network," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp528-533

Support System for Developing Evacuation Guidance for Tourists: Visualization of the Number of Evacuees in a Space

Naoto Emori, Tomoko Izumi, and Yoshio Nakatani

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp534-539 [Online Full Text]

Naoto Emori, Tomoko Izumi, and Yoshio Nakatani, "Support System for Developing Evacuation Guidance for Tourists: Visualization of the Number of Evacuees in a Space," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp534-539

A Cloud-based Wireless Mesh Network with Adaptive Data Storage Functions

S. T. Yang, Henry C. B. Chan, Patrick P. Lam, and Peter H. J. Chong

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp540-545 [Online Full Text]

S. T. Yang, Henry C. B. Chan, Patrick P. Lam, and Peter H. J. Chong, "A Cloud-based Wireless Mesh Network with Adaptive Data Storage Functions," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp540-545

Economic Value of Femtocell Networks for Mobile Solution

O.A Akinlabi, B.S. Paul, M. K. Joseph, and H.C. Ferreira

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp546-549 [Online Full Text]

O.A Akinlabi, B.S. Paul, M. K. Joseph, and H.C. Ferreira, "Economic Value of Femtocell Networks for Mobile Solution," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp546-549

Synchronous Interleaved DBA for Upstream Transmission over GPON-LTE Converged Network

I-Shyan Hwang, Tzu-Jui Yeh, MohammadAmin Lotfolahi, Bor-Jiunn Hwang, and AliAkbar Nikoukar

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp550-555 [Online Full Text]

I-Shyan Hwang, Tzu-Jui Yeh, MohammadAmin Lotfolahi, Bor-Jiunn Hwang, and AliAkbar Nikoukar, "Synchronous Interleaved DBA for Upstream Transmission over GPON-LTE Converged Network," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp550-555

Suppressing Redundant TCP Retransmissions in Wireless Mesh Networks

Shuhei Aketa, Eiji Takimoto, Yuto Otsuki, Shoichi Saito, and Eric W. Cooper, Koichi Mouri

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp556-561 [Online Full Text]

Shuhei Aketa, Eiji Takimoto, Yuto Otsuki, Shoichi Saito, and Eric W. Cooper, Koichi Mouri, "Suppressing Redundant TCP Retransmissions in Wireless Mesh Networks," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp556-561

Exploit Collision: Network Coding in Switch based on VOQ Scheduling Algorithm

Li Ma, Hui Li, Shijie Lv, Guanghui Zhang, and Fuxing Chen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp562-566 [Online Full Text]

Li Ma, Hui Li, Shijie Lv, Guanghui Zhang, and Fuxing Chen, "Exploit Collision: Network Coding in Switch based on VOQ Scheduling Algorithm," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp562-566

A New AM Demodulation Scheme with a Blind Carrier Recovery Method

S. Sukkharak, K. Jeerasuda, and W. Paramote

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp567-570 [Online Full Text]

S. Sukkharak, K. Jeerasuda, and W. Paramote, "A New AM Demodulation Scheme with a Blind Carrier Recovery Method," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp567-570

How to Select Measurement Points in Access Point Localization

Xiaoling Yang, Bing Chen, and Fengyu Gao

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp571-576 [Online Full Text]

Xiaoling Yang, Bing Chen, and Fengyu Gao, "How to Select Measurement Points in Access Point Localization," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp571-576

Star-Topology Virtual Network Construction with Optimization Problems for Video Streaming System of Sightseeing Information

Yasuhiro Urayama, and Takuji Tachibana

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp577-582 [Online Full Text]

Yasuhiro Urayama, and Takuji Tachibana, "Star-Topology Virtual Network Construction with Optimization Problems for Video Streaming System of Sightseeing Information," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp577-582

Cross-Layer Design of Power Assignment and Power Balance in Wireless Ad-hoc Networks

A. Arivoli, and P. Narayanasamy

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp583-588 [Online Full Text]

A. Arivoli, and P. Narayanasamy, "Cross-Layer Design of Power Assignment and Power Balance in Wireless Ad-hoc Networks," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp583-588

A Novel Centralized Control Implementation For Identity-Location-Separated Network Architecture

Chaoqi Yu, Hui Li, Huiling Liu, Kai Pan, and Weiyang Liu

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp589-592 [Online Full Text]

Chaoqi Yu, Hui Li, Huiling Liu, Kai Pan, and Weiyang Liu, "A Novel Centralized Control Implementation For Identity-Location-Separated Network Architecture," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp589-592

Fundamental Design for a Beacon Device Based Unconscious Participatory Sensing System

Takamasa Mizukami, Katsuhiro Naito, Chiaki Doi, Tomohiro Nakagawa, Ken Ohta, Hiroshi Inamura, Takaaki Hishida, and Tadanori Mizuno

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp593-598 [Online Full Text]

Takamasa Mizukami, Katsuhiro Naito, Chiaki Doi, Tomohiro Nakagawa, Ken Ohta, Hiroshi Inamura, Takaaki Hishida, and Tadanori Mizuno, "Fundamental Design for a Beacon Device Based Unconscious Participatory Sensing System," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp593-598

Well-Provisioned First Person Shooter and Massively Multiplayer Online Role-Playing Games Traffic in Enhanced EPON

Vahid Golderzehi, I-Shyan Hwang, and AliAkbar Nikoukar

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp599-603 [Online Full Text]

Vahid Golderzehi, I-Shyan Hwang, and AliAkbar Nikoukar, "Well-Provisioned First Person Shooter and Massively Multiplayer Online Role-Playing Games Traffic in Enhanced EPON," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp599-603

Signal Persistence Checking of Asynchronous System Implementation using SPIN

Weerasak Lawsunnee, Arthit Thongtak, and Wiwat Vatanawood

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp604-609 [Online Full Text]

Weerasak Lawsunnee, Arthit Thongtak, and Wiwat Vatanawood, "Signal Persistence Checking of Asynchronous System Implementation using SPIN," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp604-609

Indoor Communication: Femtocell Behavior in an Indoor Environment

O.A Akinlabi, B.S. Paul, M. K. Joseph, and H.C. Ferreira

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp610-614 [Online Full Text]

O.A Akinlabi, B.S. Paul, M. K. Joseph, and H.C. Ferreira, "Indoor Communication: Femtocell Behavior in an Indoor Environment," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp610-614

Hard Limit CoDel: An Extension of the CoDel Algorithm

Fengyu Gao, Hongyan Qian, and Xiaoling Yang

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp615-619 [Online Full Text]

Fengyu Gao, Hongyan Qian, and Xiaoling Yang, "Hard Limit CoDel: An Extension of the CoDel Algorithm," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp615-619

The 2015 IAENG International Conference on Electrical Engineering

Enhanced Mathematical Model for Studying Fundamental Behaviors of Injection Locked Relaxation Oscillator

A. Kitipongwatana, P. Koseeyaporn, J. Koseeyaporn, and P. Wardkein

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp620-625 [Online Full Text]

A. Kitipongwatana, P. Koseeyaporn, J. Koseeyaporn, and P. Wardkein, "Enhanced Mathematical Model for Studying Fundamental Behaviors of Injection Locked Relaxation Oscillator," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp620-625

Economic and Environmental Impact Assessment of Micro Grid

Su Youli

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp626-629 [Online Full Text]

Su Youli, "Economic and Environmental Impact Assessment of Micro Grid," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp626-629

Mitigation of Conducted and Radiated EMI Generation in High-Frequency Switching Devices

P. Sripodok, and C. Jettanasen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp630-633 [Online Full Text]

P. Sripodok, and C. Jettanasen, "Mitigation of Conducted and Radiated EMI Generation in High-Frequency Switching Devices," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp630-633

A Research on the Feasibility of Supplying Wind Power for Industrial-Park at Feeding Terrnimal

Zulati Litifu

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp634-638 [Online Full Text]

Zulati Litifu, "A Research on the Feasibility of Supplying Wind Power for Industrial-Park at Feeding Terrnimal," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp634-638

Practical Design of a Passive EMI Filter for Reduction of EMI Generation

J. Jiraprasertwong, and C. Jettanasen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp639-642 [Online Full Text]

J. Jiraprasertwong, and C. Jettanasen, "Practical Design of a Passive EMI Filter for Reduction of EMI Generation," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp639-642

A Closed-Loop High-Gain Multiphase-Switched-Capacitor-Inductor Step-Up DC-DC Converter

Yuen-Haw Chang, and Chen-Han Tsai

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp643-648 [Online Full Text]

Yuen-Haw Chang, and Chen-Han Tsai, "A Closed-Loop High-Gain Multiphase-Switched-Capacitor-Inductor Step-Up DC-DC Converter," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp643-648

Compact S-box Hardware Implementation with an Efficient MVP-CSE Algorithm

Xiaoqiang ZHANG, Ning WU, and Chun ZENG

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp649-654 [Online Full Text]

Xiaoqiang ZHANG, Ning WU, and Chun ZENG, "Compact S-box Hardware Implementation with an Efficient MVP-CSE Algorithm," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp649-654

Power Supply Circuit With Zero Standby Power Consumption on Infrared Remote Controlled Product by Using Energy Harvesting

Akira Yamawaki, and Seiichi Serikawa

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp655-660 [Online Full Text]

Akira Yamawaki, and Seiichi Serikawa, "Power Supply Circuit With Zero Standby Power Consumption on Infrared Remote Controlled Product by Using Energy Harvesting," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp655-660

An Experimental Setup Investigation to Study Characteristics of Fault on Transmission System

P. Yindeesap, A. Ngaopitakkul, C. Pothisarn, and C. Jettanasen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp661-664 [Online Full Text]

P. Yindeesap, A. Ngaopitakkul, C. Pothisarn, and C. Jettanasen, "An Experimental Setup Investigation to Study Characteristics of Fault on Transmission System," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp661-664

Design Principles of Slotted Holes

Cheng Xiangyu, Chen Wenge, and Feng Hui

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp665-669 [Online Full Text]

Cheng Xiangyu, Chen Wenge, and Feng Hui, "Design Principles of Slotted Holes," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp665-669

Performance Analysis of Maximum Power Transfer in Piezoelectric Energy Harvesting

P. Songsukthawan, and C. Jettanasen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp670-673 [Online Full Text]

P. Songsukthawan, and C. Jettanasen, "Performance Analysis of Maximum Power Transfer in Piezoelectric Energy Harvesting," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp670-673

Quine-McCluskey Repair Technique for Evolutionary Design of Combinational Logic Circuits

Xinjie Huang, Ning Wu, and Xiaoqiang Zhang

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp674-678 [Online Full Text]

Xinjie Huang, Ning Wu, and Xiaoqiang Zhang, "Quine-McCluskey Repair Technique for Evolutionary Design of Combinational Logic Circuits," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp674-678

A Study an Impact of Daylight with Period Time on Illuminance and Uniformity for Building

S. Sripramong, S. Ananwattanaporn, A. Ngaopitakkul, and C. Jettanasen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp679-682 [Online Full Text]

S. Sripramong, S. Ananwattanaporn, A. Ngaopitakkul, and C. Jettanasen, "A Study an Impact of Daylight with Period Time on Illuminance and Uniformity for Building," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp679-682

Corrective Controllers with Switching Capability for Modeling Matching of Input/State Asynchronous Machines

Jung-Min Yang

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp683-688 [Online Full Text]

Jung-Min Yang, "Corrective Controllers with Switching Capability for Modeling Matching of Input/State Asynchronous Machines," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp683-688

A Closed-Loop High-Gain Switched-Capacitor-Inductor-Based Boost DC-AC Inverter

Yuen-Haw Chang, and Yu-Kai Lin

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp694-699 [Online Full Text]

Yuen-Haw Chang, and Yu-Kai Lin, "A Closed-Loop High-Gain Switched-Capacitor-Inductor-Based Boost DC-AC Inverter," Lecture Notes in Engineering and Computer Science:

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp694-699

Application of Differential Evolution to Parameter Identification of Bhumibol Hydro Power Plant in Thailand

N. Punarai, S. Khumkaew, and J. Kluabwang

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp700-703 [Online Full Text]

N. Punarai, S. Khumkaew, and J. Kluabwang, "Application of Differential Evolution to Parameter Identification of Bhumibol Hydro Power Plant in Thailand," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp700-703

Characteristics and Behaviour of Transient Current during Lightning Strikes on Transmission Tower

P. Lertwanitrot, P. Kettranan, P. Itthisathienkul, and A. Ngaopitakkul

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp708-713 [Online Full Text]

P. Lertwanitrot, P. Kettranan, P. Itthisathienkul, and A. Ngaopitakkul, "Characteristics and Behaviour of Transient Current during Lightning Strikes on Transmission Tower," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp708-713

Low Power State Machine Design for AES Encryption Coprocessor

Liling Dong, Ning Wu, and Xiaoqiang Zhang

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp714-717 [Online Full Text]

Liling Dong, Ning Wu, and Xiaoqiang Zhang, "Low Power State Machine Design for AES Encryption Coprocessor," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp714-717

The 2015 IAENG International Conference on Electrical Engineering Special Session: Design, Analysis and Tools for Integrated Circuits and Systems

Preface of the 2015 IAENG International Conference on Electrical Engineering Special Session: Design, Analysis and Tools for Integrated Circuits and Systems

Ka Lok Man, Tomas Krilavicius, and Seungmin Rho

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp718-721 [Online Full Text]

Ka Lok Man, Tomas Krilavicius, and Seungmin Rho, "Preface of the 2015 IAENG International Conference on Electrical Engineering Special Session: Design, Analysis and Tools for Integrated Circuits and Systems," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp718-721

Big Data Technology Adoption in Chinese Small and Medium-sized Enterprises

W.K. Chong, K.L. Man, and S. Rho

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp722-723 [Online Full Text]

W.K. Chong, K.L. Man, and S. Rho, "Big Data Technology Adoption in Chinese Small and Medium-sized Enterprises," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp722-723

Key Factors Affecting User Experience of Mobile Recommendation Systems

Yan Sun, Woon K. Chong, Yo-Sub Han, Seungmin Rho, and Ka Lok. Man

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp724-728 [Online Full Text]

Yan Sun, Woon K. Chong, Yo-Sub Han, Seungmin Rho, and Ka Lok. Man, "Key Factors Affecting User Experience of Mobile Recommendation Systems," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp724-728

An Extended HDL SoC TAB-model for Diagnosability and Repair

Vladimir Hahanov, Ka Lok Man, Baghdadi Ammar Awni Abbas, Eugenia Litvinova, Svetlana Chumachenko, Eng Gee Lim, and Mark Leach

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp729-732 [Online Full Text]

Vladimir Hahanov, Ka Lok Man, Baghdadi Ammar Awni Abbas, Eugenia Litvinova, Svetlana Chumachenko, Eng Gee Lim, and Mark Leach, "An Extended HDL SoC TAB-model for Diagnosability and Repair," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp729-732

Indirect Tracking of Functional Target for Respiration Compensation in Radiotherapy

Ruta Uzupyte, Ka Lok Man, Tomas Krilavicius, Indre Zliobaite, and Henrikas Simonavicius

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp733-736 [Online Full Text]

Ruta Uzupyte, Ka Lok Man, Tomas Krilavicius, Indre Zliobaite, and Henrikas Simonavicius, "Indirect Tracking of Functional Target for Respiration Compensation in Radiotherapy," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp733-736

Efficient Multimedia Contents Management System with Tag Recommendations

JiSoo Park, Kyeong Won Park, Yeonsang Yun, Mucheol Kim, Seungmin Rho, Ka Lok Man, and Woon Kian Chong

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp737-738 [Online Full Text]

JiSoo Park, Kyeong Won Park, Yeonsang Yun, Mucheol Kim, Seungmin Rho, Ka Lok Man, and Woon Kian Chong, "Efficient Multimedia Contents Management System with Tag Recommendations," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp737-738

Trustworthy Movie Recommender System with Correct Assessment and Emotion Evaluation

RyuRi Kim, Ye Jeong Kwak, HyeonJeong Mo, Mucheol Kim, Seungmin Rho, Ka Lok Man, and Woon Kian Chong

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp739-740 [Online Full Text]

RyuRi Kim, Ye Jeong Kwak, HyeonJeong Mo, Mucheol Kim, Seungmin Rho, Ka Lok Man, and Woon Kian Chong, "Trustworthy Movie Recommender System with Correct Assessment and Emotion Evaluation," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp739-740

TiMers: Time-based Music Recommendation System based on Social Network Services Analysis

Esther Kim, Seung-Yeon Kim, Ga-Ae Kim, Mucheol Kim, Seungmin Rho, Ka Lok Man, and Woon Kian Chong

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp741-742 [Online Full Text]

Esther Kim, Seung-Yeon Kim, Ga-Ae Kim, Mucheol Kim, Seungmin Rho, Ka Lok Man, and Woon Kian Chong, "TiMers: Time-based Music Recommendation System based on Social Network Services Analysis," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp741-742

Functional Cognitive Rehabilitation Game Technology Applying Orientation and Memory for Preventing Dementia

Chulhee Lee, Sungin Hong, and Seongah Chin

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp743-745 [Online Full Text]

Chulhee Lee, Sungin Hong, and Seongah Chin, "Functional Cognitive Rehabilitation Game Technology Applying Orientation and Memory for Preventing Dementia," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp743-745

The 2015 IAENG International Conference on Engineering Physics

Multi-Beam Engineering Microscopy - a Versatile Tool for Optimal Materials Design

Alexander M. Korsunsky, Tan Sui, Jiri Dluhos, Siqi Ying, Alexander J.G. Lunt, Bohang Song, Enrico Salvati, Hongjia Zhang, Taehoon Kim, and Sergei M. Kreynin

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp746-749 [Online Full Text]

Alexander M. Korsunsky, Tan Sui, Jiri Dluhos, Siqi Ying, Alexander J.G. Lunt, Bohang Song, Enrico Salvati, Hongjia Zhang, Taehoon Kim, and Sergei M. Kreynin, "Multi-Beam Engineering Microscopy - a Versatile Tool for Optimal Materials Design," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp746-749

Ultrasonically Driven Antibubbles Encapsulated by Newtonian Fluids for Active Leakage Detection

Kristoffer Johansen, Spiros Kotopoulis, and Michiel Postema

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp750-754 [Online Full Text]

Kristoffer Johansen, Spiros Kotopoulis, and Michiel Postema, "Ultrasonically Driven Antibubbles Encapsulated by Newtonian Fluids for Active Leakage Detection," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp750-754

The Anomalous Reflection of Acoustic Waves Based on Metasurface

Changlin Ding, Yawei Zhou, Xiaopeng Zhao, Huaijun Chen, and Shilong Zhai

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp755-758 [Online Full Text]

Changlin Ding, Yawei Zhou, Xiaopeng Zhao, Huaijun Chen, and Shilong Zhai, "The Anomalous Reflection of Acoustic Waves Based on Metasurface," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp755-758

Performance Evaluation of Photon Diffusion Models Configured in Planar Source Illumination Geometry for Quantifying the Optical Properties of Turbid Media

Nan-Yu Cheng, and Sheng-Hao Tseng

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp759-761 [Online Full Text]

Nan-Yu Cheng, and Sheng-Hao Tseng, "Performance Evaluation of Photon Diffusion Models Configured in Planar Source Illumination Geometry for Quantifying the Optical Properties of Turbid Media," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp759-761

Modification on the Synthesis Process of Hydroxyapatite

Dora E. Ledesma-Carrion

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp762-766 [Online Full Text]

Dora E. Ledesma-Carrion, "Modification on the Synthesis Process of Hydroxyapatite," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp762-766

Transient Thermal Analysis of Power Cable-Considering Skin Effect

Yuandong Gong, and Xiaoming Guo

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp767-770 [Online Full Text]

Yuandong Gong, and Xiaoming Guo, "Transient Thermal Analysis of Power Cable-Considering Skin Effect," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp767-770

An Investigation of Residual Stress Gradient Effects in FIB-DIC Micro-Ring-Core Analysis

Enrico Salvati, Alexander J.G. Lunt, Tan Sui, and Alexander M. Korsunsky

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp771-774 [Online Full Text]

Enrico Salvati, Alexander J.G. Lunt, Tan Sui, and Alexander M. Korsunsky, "An Investigation of Residual Stress Gradient Effects in FIB-DIC Micro-Ring-Core Analysis," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp771-774

Design of Channel Filter based on Asymmetric One-Dimensional Defective Photonic Crystal for Broadband Responses

Asmar Aming, and Ratchapak Chitaree

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp775-779 [Online Full Text]

Asmar Aming, and Ratchapak Chitaree, "Design of Channel Filter based on Asymmetric One-Dimensional Defective Photonic Crystal for Broadband Responses," Lecture

Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp775-779

Diffusion Stability of Mechanical Equilibrium in Compressible Isothermal Gases

K. Kaliyeva, and B. Kossov

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp780-785 [Online Full Text]

K. Kaliyeva, and B. Kossov, "Diffusion Stability of Mechanical Equilibrium in Compressible Isothermal Gases," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp780-785

Study on the Behavior of Particles in High Reynolds Number in Semi Ellipse Lid Driven Cavity

M.Y.M. Hafizi, M.S. Idris, and N.M.M. Ammar

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp786-791 [Online Full Text]

M.Y.M. Hafizi, M.S. Idris, and N.M.M. Ammar, "Study on the Behavior of Particles in High Reynolds Number in Semi Ellipse Lid Driven Cavity," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp786-791

The Effect of Material Property on Flow in Oscillatory Baffled Columns

M. Johnstone, B. Guo, and A. Yu

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp792-796 [Online Full Text]

M. Johnstone, B. Guo, and A. Yu, "The Effect of Material Property on Flow in Oscillatory Baffled Columns," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp792-796

An Optical Tunable Fiber Filter based on The Concatenated Single-mode Optical Fibers with Different Cut-off Wavelengths

Wanvisa Talataisong, and Ratchapak Chitaree

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp797-800 [Online Full Text]

Wanvisa Talataisong, and Ratchapak Chitaree, "An Optical Tunable Fiber Filter based on The Concatenated Single-mode Optical Fibers with Different Cut-off Wavelengths," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp797-800

Existence and Uniqueness of the Navier-Stokes Problem for Compressible Flows

K. Kaliyeva, and K. Issakov

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp801-806 [Online Full Text]

K. Kaliyeva, and K. Issakov, "Existence and Uniqueness of the Navier-Stokes Problem for Compressible Flows," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp801-806

Study of AZO Thin Films Under Different Annealing Atmosphere on Structural, Optical and Electrical Properties by rf Magnetron Sputtering

Yu-Ming Lin, Chien-Hsun Chu, Hung-Wei Wu, and Jow-Lay Huang

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp807-810 [Online Full Text]

Yu-Ming Lin, Chien-Hsun Chu, Hung-Wei Wu, and Jow-Lay Huang, "Study of AZO Thin Films Under Different Annealing Atmosphere on Structural, Optical and Electrical Properties by rf Magnetron Sputtering," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp807-810

The Wigner System Coupled with Hartree-type Nonlinearity

Bin Li, and Jieqiong Shen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp811-814 [Online Full Text]

Bin Li, and Jieqiong Shen, "The Wigner System Coupled with Hartree-type Nonlinearity," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp811-814

FIB-SEM Serial Sectioning Nanotomography of Flax Fibres

Tan Sui, Hongjia Zhang, Siqi Ying, Patrick O'Brien, and Alexander M. Korsunsky

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp815-818 [Online Full Text]

Tan Sui, Hongjia Zhang, Siqi Ying, Patrick O'Brien, and Alexander M. Korsunsky, "FIB-SEM Serial Sectioning Nanotomography of Flax Fibres," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp815-818

The 2015 IAENG International Conference on Industrial Engineering

Friction Stir Spot Welding between Copper and Aluminium: Microstructural Evolution

Mukuna P. Mubiayi, and Esther T. Akinlabi

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp819-823 [Online Full Text]

Mukuna P. Mubiayi, and Esther T. Akinlabi, "Friction Stir Spot Welding between Copper and Aluminium: Microstructural Evolution," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp819-823

Model of Price Stabilization In Staple Food Distribution Using Game Theory: Comparative Study

Danis Eka Prasetya Wicaksana, Muhammad Hisjam, Yuniaristanto, and Wahyudi Sutopo

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp824-828 [Online Full Text]

Danis Eka Prasetya Wicaksana, Muhammad Hisjam, Yuniaristanto, and Wahyudi Sutopo, "Model of Price Stabilization In Staple Food Distribution Using Game Theory: Comparative Study," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp824-828

Efficiency of Bivariate Copula on the CUSUM Chart

Sasigarn Kuvattana, Saowanit Sukparungsee, Piyapatr Busababodhin, and Yupaporn Areepong

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp829-832 [Online Full Text]

Sasigarn Kuvattana, Saowanit Sukparungsee, Piyapatr Busababodhin, and Yupaporn Areepong, "Efficiency of Bivariate Copula on the CUSUM Chart," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp829-832

Adsorption of Pt from Chloride Leaching Solution of Spent Catalyst with Anionic Resins

Pan-Pan Sun, Tae-Young Kim, Byoung-Jun Min, Hyoung-Il Song, and Sung-Yong Cho

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp833-836 [Online Full Text]

Pan-Pan Sun, Tae-Young Kim, Byoung-Jun Min, Hyoung-Il Song, and Sung-Yong Cho, "Adsorption of Pt from Chloride Leaching Solution of Spent Catalyst with Anionic Resins," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp833-836

The Design and Development of Drowsiness Detection System for Road Safety Improvement

Nantakrit Yodpijit, Pathompong Kaewnin, and Teppakorn Sittiwanchai

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp837-840 [Online Full Text]

Nantakrit Yodpijit, Pathompong Kaewnin, and Teppakorn Sittiwanchai, "The Design and Development of Drowsiness Detection System for Road Safety Improvement," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp837-840

Incubation Scheme of the University Spin Off to Commercialize the Invention in Sebelas Maret University

Citra Kusuma, Wahyudi Sutopo, Yuniaristanto, Suryo Hadiyono, and Muhammad Nizam

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp841-844 [Online Full Text]

Citra Kusuma, Wahyudi Sutopo, Yuniaristanto, Suryo Hadiyono, and Muhammad Nizam, "Incubation Scheme of the University Spin Off to Commercialize the Invention in

Sebelas Maret University," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp841-844

The Relationship Between Ability of Instructors to Interpret Knowledge to Students and In Class Engagement of Students: An Empirical Study in Hong Kong Higher Education

Hon Keung Yau, and Ching Yu Yeung

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp845-847 [Online Full Text]

Hon Keung Yau, and Ching Yu Yeung, "The Relationship Between Ability of Instructors to Interpret Knowledge to Students and In Class Engagement of Students: An Empirical Study in Hong Kong Higher Education," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp845-847

Putting a Technology Innovation Culture to Realize Indonesian Vision 2025: A Case Study

Wahyudi Sutopo, Danis Eka Prasetya Wicaksana, and Muhammad Nizam

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp848-853 [Online Full Text]

Wahyudi Sutopo, Danis Eka Prasetya Wicaksana, and Muhammad Nizam, "Putting a Technology Innovation Culture to Realize Indonesian Vision 2025: A Case Study," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp848-853

Exploiting the Potential Water Supply for Eco-Industrial Parks in an Extreme Arid Area

Zulati Litifu

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp854-859 [Online Full Text]

Zulati Litifu, "Exploiting the Potential Water Supply for Eco-Industrial Parks in an Extreme Arid Area," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp854-859

A Comparative Study of Analysing Transformed and Noisy Data in Taguchi Orthogonal Arrays

Nattapat Imsap, and Pongchanun Luangpaiboon

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp860-865 [Online Full Text]

Nattapat Imsap, and Pongchanun Luangpaiboon, "A Comparative Study of Analysing Transformed and Noisy Data in Taguchi Orthogonal Arrays," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp860-865

Assessing Household Energy Savings and Consumer Behavior in Padang City

Prima Fithri, Lusi Susanti, and Karin Bestarina

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp866-870 [Online Full Text]

Prima Fithri, Lusi Susanti, and Karin Bestarina, "Assessing Household Energy Savings and Consumer Behavior in Padang City," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp866-870

Statistical Problems on Estimating for Heat Seal Parameters

Takashi Inomata, and Toshinari Kamakura

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp871-876 [Online Full Text]

Takashi Inomata, and Toshinari Kamakura, "Statistical Problems on Estimating for Heat Seal Parameters," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp871-876

An Agri-food Supply Chain Model for Cultivating the Capabilities of Farmers in Accessing Capital Using Corporate Social Responsibility Program

Rillo S. Wahyudin, Wahyudi Sutopo, Muh. Hisjam, Yuniaristanto, and Bobby Kurniawan

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp877-882 [Online Full Text]

Rillo S. Wahyudin, Wahyudi Sutopo, Muh. Hisjam, Yuniaristanto, and Bobby Kurniawan, "An Agri-food Supply Chain Model for Cultivating the Capabilities of Farmers in Accessing Capital Using Corporate Social Responsibility Program," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp877-882

Three-echelon Inventory Model with Defective Product and Rework Considerations under Credit Period

M.F. Yang, M.C. Lo, Y.T. Chou, and W.H. Chen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp883-887 [Online Full Text]

M.F. Yang, M.C. Lo, Y.T. Chou, and W.H. Chen, "Three-echelon Inventory Model with Defective Product and Rework Considerations under Credit Period," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp883-887

An IT Driven Approach for Global Production Network Design

Christina Reuter, and Carlo Hausberg

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp888-893 [Online Full Text]

Christina Reuter, and Carlo Hausberg, "An IT Driven Approach for Global Production Network Design," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp888-893

Funding-based Productivity Decision Support System for SMEs

B. Kareem

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp894-898 [Online Full Text]

B. Kareem, "Funding-based Productivity Decision Support System for SMEs," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp894-898

Impact of Coagulation Mixing and Time on CST Values

Dewi Fitria

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp899-901 [Online Full Text]

Dewi Fitria, "Impact of Coagulation Mixing and Time on CST Values," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp899-901

Adaptive Feedforward Cancellation (AFC) in Sound Fields: Computer-Based Approach for Active Noise Control (ANC)

Suparoek Junsupasen, Witthawas Pongyart, and Nantakrit Yodpijit

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp902-906 [Online Full Text]

Suparoek Junsupasen, Witthawas Pongyart, and Nantakrit Yodpijit, "Adaptive Feedforward Cancellation (AFC) in Sound Fields: Computer-Based Approach for Active Noise Control (ANC)," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp902-906

Commercialization Strategy Formulation for University Spin-Off: A Case Study

Aam Hamid Al Ghabid, Nur Atikah, Wahyudi Sutopo, Muhammad Nizam, and Ida Idayu Muhamad

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp907-911 [Online Full Text]

Aam Hamid Al Ghabid, Nur Atikah, Wahyudi Sutopo, Muhammad Nizam, and Ida Idayu Muhamad, "Commercialization Strategy Formulation for University Spin-Off: A Case Study," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp907-911

The Influence of Subjective Norm on Behavioral Intention In Using E-Learning: An Empirical Study in Hong Kong Higher Education

Hon Keung Yau, and Tsz Chung Ho

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp912-914 [Online Full Text]

Hon Keung Yau, and Tsz Chung Ho, "The Influence of Subjective Norm on Behavioral Intention In Using E-Learning: An Empirical Study in Hong Kong Higher Education," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp912-914

The Design of Hotel Performance Management System in Padang

Difana Meilani, and Ilham Anugrah

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp915-920 [Online Full Text]

Difana Meilani, and Ilham Anugrah, "The Design of Hotel Performance Management System in Padang," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp915-920

Provision Buffer for Ongoing Launch Product

K.H. Wu, and K.H. Yang

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp921-925 [Online Full Text]

K.H. Wu, and K.H. Yang, "Provision Buffer for Ongoing Launch Product," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp921-925

Facility Layout Design On The Agricultural Machinery Industry

Nilda Tri Putri, Prima Fithri, and Muhammad Taufik

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp926-930 [Online Full Text]

Nilda Tri Putri, Prima Fithri, and Muhammad Taufik, "Facility Layout Design On The Agricultural Machinery Industry," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp926-930

On-Premises Cloud Storage - Security Aspects for Small and Medium-sized Enterprises

Bernd Gastermann, Markus Stopper, Anja Kossik, and Branko Katalinic

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp931-937 [Online Full Text]

Bernd Gastermann, Markus Stopper, Anja Kossik, and Branko Katalinic, "On-Premises Cloud Storage - Security Aspects for Small and Medium-sized Enterprises," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp931-937

A Decision Support Application for Teak Log Supplier to Simulate Scenarios of Utilizing Forest Resources by Considering the Sustainability of Teak Log Supply

Silvester A.S. Herjuna, Muhammad Hisjam, Dyah N.E. Putri, Wahyudi Sutopo, and Kuncoro H. Widodo

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp938-941 [Online Full Text]

Silvester A.S. Herjuna, Muhammad Hisjam, Dyah N.E. Putri, Wahyudi Sutopo, and Kuncoro H. Widodo, "A Decision Support Application for Teak Log Supplier to Simulate Scenarios of Utilizing Forest Resources by Considering the Sustainability of Teak Log Supply," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp938-941

Design by Analysis versus Design by Formula of a PWR Reactor Pressure Vessel

Usman Tariq Murtaza, and Mohammad Javed Hyder

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp942-946 [Online Full Text]

Usman Tariq Murtaza, and Mohammad Javed Hyder, "Design by Analysis versus Design by Formula of a PWR Reactor Pressure Vessel," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp942-946

Value Chain Improvement for Cocoa Industry in Indonesia by Input-Output Analysis

Arinda Soraya Putri, Wahyudi Sutopo, Socia Prihawantara, and Ryan Corinus Dato Matheos

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp947-952 [Online Full Text]

Arinda Soraya Putri, Wahyudi Sutopo, Socia Prihawantara, and Ryan Corinus Dato Matheos, "Value Chain Improvement for Cocoa Industry in Indonesia by Input-Output Analysis," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp947-952

The 2015 IAENG International Conference on Industrial Engineering Special Session: Human Factors,

Ergonomics, and Safety

The Effect of Temperature on Manual Dexterity, Reaction Time, and Optimum Grip-Span

Coskun DIZMEN, Ken S.S. MAN, and Alan H.S. CHAN

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp953-957 [Online Full Text]

Coskun DIZMEN, Ken S.S. MAN, and Alan H.S. CHAN, "The Effect of Temperature on Manual Dexterity, Reaction Time, and Optimum Grip-Span," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp953-957

Thermal Comfort Evaluation of Emergency Tent Using PMV and PPD Model

Lusi Susanti

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp958-963 [Online Full Text]

Lusi Susanti, "Thermal Comfort Evaluation of Emergency Tent Using PMV and PPD Model," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp958-963

The Ageing Construction Workforce in Hong Kong: A Review

Jacky Y.K. Ng, and Alan H.S. Chan

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp964-967 [Online Full Text]

Jacky Y.K. Ng, and Alan H.S. Chan, "The Ageing Construction Workforce in Hong Kong: A Review," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp964-967

Effect of Ambient Illumination, Brightness and Tilt Angle on Typing Performance

K.Srestthaporn, and H.Lohasiriwat

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp968-972 [Online Full Text]

K.Srestthaporn, and H.Lohasiriwat, "Effect of Ambient Illumination, Brightness and Tilt Angle on Typing Performance," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp968-972

Common Design Elements and Strategies in Participatory Safety Sign Redesign among Construction Workers

Annie W.Y. Ng, and Alan H.S. Chan

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp973-978 [Online Full Text]

Annie W.Y. Ng, and Alan H.S. Chan, "Common Design Elements and Strategies in Participatory Safety Sign Redesign among Construction Workers," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp973-978

The 2015 IAENG International Conference on Operations Research

Path Optimization for Electrically Inspecting Printed Circuit Boards with Alignment Marks

Hideki Katagiri, Qingqiang Guo, Hongwei Wu, Hiroshi Hamori, and Kosuke Kato

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp979-984 [Online Full Text]

Hideki Katagiri, Qingqiang Guo, Hongwei Wu, Hiroshi Hamori, and Kosuke Kato, "Path Optimization for Electrically Inspecting Printed Circuit Boards with Alignment Marks," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp979-984

Police Officer Selection Process for Incident Response

Johanna M. Leigh, Sarah J. Dunnett, and Lisa M. Jackson

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp985-990 [Online Full Text]

Johanna M. Leigh, Sarah J. Dunnett, and Lisa M. Jackson, "Police Officer Selection Process for Incident Response," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp985-990

First-Order Perturbation of Correspondence Analysis with Multiple Categories

Masaaki Ida

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp991-994 [Online Full Text]

Masaaki Ida, "First-Order Perturbation of Correspondence Analysis with Multiple Categories," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp991-994

Some Properties of Bipolar Max-min Fuzzy Relational Equations

Chia-Cheng Liu, Yung-Yih Lur, and Yan-Kuen Wu

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp995-997 [Online Full Text]

Chia-Cheng Liu, Yung-Yih Lur, and Yan-Kuen Wu, "Some Properties of Bipolar Max-min Fuzzy Relational Equations," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp995-997

Approximation for ARL of EWMA Control Chart with EAR(p) Process

Wannaporn Suriyakat

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp998-1000 [Online Full Text]

Wannaporn Suriyakat, "Approximation for ARL of EWMA Control Chart with EAR(p) Process," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp998-1000

Reliability Analysis for a Repairable System under N-policy and Imperfect Coverage

R. Sharma

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp1001-1004 [Online Full Text]

R. Sharma, "Reliability Analysis for a Repairable System under N-policy and Imperfect Coverage," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp1001-1004

Stochastic Decision Model of the Remanufactured Product with Warranty

Swee S. Kuik, Toshiya Kaihara, and Nobutada Fujii

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp1005-1010 [Online Full Text]

Swee S. Kuik, Toshiya Kaihara, and Nobutada Fujii, "Stochastic Decision Model of the Remanufactured Product with Warranty," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp1005-1010

Hydropower Producer Day-ahead Market Strategic Offering Using Stochastic Bi-level Optimization

Yelena Vardanyan, Anthony Papavasiliou, and Mohammad R. Hesamzadeh

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp1011-1016 [Online Full Text]

Yelena Vardanyan, Anthony Papavasiliou, and Mohammad R. Hesamzadeh, "Hydropower Producer Day-ahead Market Strategic Offering Using Stochastic Bi-level Optimization," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp1011-1016

Algorithms for Optimization of Convex Quadratic Functions

Amel Belabbaci, and Bachir Djebbar

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp1017-1020 [Online Full Text]

Amel Belabbaci, and Bachir Djebbar, "Algorithms for Optimization of Convex Quadratic Functions," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp1017-1020

An Iterative Algorithm for Generalized Mixed Equilibria with Variational Inequalities

Lu-Chuan Ceng, Yung-Yih Lur, and Ching-Feng Wen

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp1021-1025 [Online Full Text]

Lu-Chuan Ceng, Yung-Yih Lur, and Ching-Feng Wen, "An Iterative Algorithm for Generalized Mixed Equilibria with Variational Inequalities," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp1021-1025

Space-Time Hotelling Model and Its Application to Retail Competition in a Duopoly

Hiroaki Sandoh, Takeshi Koide, and Jun Kiniwa

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp1030-1034 [Online Full Text]

Hiroaki Sandoh, Takeshi Koide, and Jun Kiniwa, "Space-Time Hotelling Model and Its Application to Retail Competition in a Duopoly," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp1030-1034

Humanitarian Space and Security of Humanitarian Workers: A Review

Abiodun Bayode, Charles Mbohwa, and Esther T. Akinlabi

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp1035-1038 [Online Full Text]

Abiodun Bayode, Charles Mbohwa, and Esther T. Akinlabi, "Humanitarian Space and Security of Humanitarian Workers: A Review," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp1035-1038

Some Properties of Nonnegative Interval Matrices in Max Algebra

Ching-Feng Wen, Yan-Kuen Wu, and Yung-Yih Lur

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp1039-1041 [Online Full Text]

Ching-Feng Wen, Yan-Kuen Wu, and Yung-Yih Lur, "Some Properties of Nonnegative Interval Matrices in Max Algebra," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp1039-1041

Putting Numbers to Value: Going Simplistic for Reaching Lean Manufacturing

Chavez Z., and Mokudai T.

Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, pp1042-1045 [Online Full Text]

Chavez Z., and Mokudai T., "Putting Numbers to Value: Going Simplistic for Reaching Lean Manufacturing," Lecture Notes in Engineering and Computer Science: Proceedings of The International MultiConference of Engineers and Computer Scientists 2015, 18-20 March, 2015, Hong Kong, pp1042-1045

International Association of Engineers

Facility Layout Design
On The Agricultural Machinery Industry

Nilda Tri Putri, Prima Fithri, and Muhammad Taufik

Abstract—**CV Citra Dragon as one of the medium agricultural machine industry in West Sumatra has a plan to relocate the existing plant to meet customer demand each year. Production capacity enhancement and plant relocation will change the layout of the plant; therefore need to design of facility layout of CV Citra Dragon. By applying Group Technology Layout, design of production layout becomes first step in this research. The initial step is using the Average Linkage Clustering (ALC) and Rank Order Clustering (ROC) to group the machines and part family. To design the layout, Modified Spanning Tree (MST) is used. Next step is, to design layout of warehouses, offices and other production facilities. Activity Relationship Chart methods used to organize the placement of factory facilities has been designed. Based on processing data, total distance of the displacement of material in a single production amounted to 1120.16 m which means need 18.7 minutes of transportation time for one time production. Agricultural Machinery Industry has designed a circular flow pattern with 11 facilities. The facilities were designed consist of 10 rooms and 1 parking space. The wide of plant building is 84 m x 52 m.**

Keywords—Facility Layout, Average Linkage Clustering, Activity Relationship Chart, Modified Spanning Tree, Rank Order Clustering

I. INTRODUCTION

INDONESIA is an agricultural country which are 39.96 million people in Indonesia are working in the agricultural sector (Central Bureau of Statistics, February 2013). To improve the efficiency and productivity of agriculture, some tools and machines are used. Tools and agricultural machine (alsintan) are tools that used in agribusiness activities. Alsintan used to transform traditional farming systems which are still use manual equipment into modern agriculture which use machine.

Alsintan production in Indonesia is currently supplied from domestic and imports from Korea, Taiwan and China. There are 21 agricultural machinery industries in Indonesia, such as CV Karya Hidup Sentosa in Yogyakarta, PT Agrindo in East Java, and PT Yamindo in South Sulawesi. West Sumatra, Yogyakarta, and East Java became the pioneer in the agricultural machinery industry (alsintan's

industry). Based on data from CV Nugraha Chakti Consultant in 2012, West Sumatera has 98 alsintan's industry, but they are still small and medium industries. From 98 industries, that are 74% of household industries, 22% of small industries and 4% are medium industries. CV Citra Dragon in Padang Pariaman and CV Sarana Agro Payakumbuh Cherry are medium industries of alsintan in West Sumatra.

There are several alsintan products frequently utilized by farmers in West Sumatra from alsintan industry. Agricultural tractors, power thresher, rice milling units, and potato grater are product that widely used in West Sumatra. According to CV Nugraha Chakti Consultant [2], until 2012 the use of four types of alsintan are as follows: agricultural tractors as many as 9,210 units, power thresher as many as 6,197 units, rice milling units as many as 4,146 units and potato grater as many 2,908 units.

Based on data, only potato grater can meet the consumer demand, whereas rice milling around 46% can meet the demand. The most commonly products used such as agricultural tractors and power thresher still shortage of 60% and 56%. Based on these data it can be concluded that alsintan industry in West Sumatra has been unable to meet all requirement the needs of existing alsintan in West Sumatera. To solve that problem, alsintan's industry in West Sumatera must increase of the production capacity. And it means that alsintan's industry must have wide plant.

CV Citra Dragon which is one of the alsintan's industries in West Sumatera has planned to relocate the existing plant. According to management, production capacity of the CV Citra Dragon's Factory is located on Sungai Sarik currently has a capacity that is still relatively small at less than 2,000 units per year. The main products of this Factory are hydro tiller and power thresher with capacity production of hydro tiller is 3 units per day and power thresher is 2 units per day. Therefore, CV Citra Dragon will increase production capacity for both of these products at the factory to be built.

Based on the performance indicators of CV Nugraha Chakti Consultant, CV Citra Dragon must reach the production target to meet the requirement hydro tiller and power thresher in West Sumatra is 2,000 units. In addition to produce power thresher and hydro tiller, the management must plan to design the factory that can produce agricultural machinery. CV Citra Dragon has new location for establishment of its new factory which has 70,000 m^2 areas. Trisiafitri [7] has conducted research studies on the feasibility of establishing an alsintan factory on this area and concluded that this area is suitable for establishment of a new factory of CV Citra Dragon.

Based on the existing background, it is necessary to design a new factory for CV Citra Dragon that would

Manuscript received December 16, 2014; revised January 19, 2015. Nilda Tri Putri is Associate Professor in Department of Industrial Engineering, Faculty of Engineering, Andalas University, Padang, Indonesia (nilda@ft.unand.ac.id).
Prima Fithri is Junior Lecturer in Department of Industrial Engineering, Faculty of Engineering, Andalas University, Padang, Indonesia (ima@ft.unand.ac.id).
Muhammad Taufik is graduated from Department of Industrial Engineering, Faculty of Engineering, Andalas University, Padang, Indonesia.

become one of the large industries in the agricultural machinery industry in West Sumatera.

II.   LITERATURE REVIEW

The design of the facility layout is the arrangement of the physical elements of the facility in order to achieve certain goals. There are four different types of layouts that are commonly applied in the design of classic layout which are fixed layout, product layout, process layout and group technology layout [3]. This layout is based on the application of the production process, production capacity and market response to the company. Along with the development of facility layout designers today prefer factory to combine the existing layout in order to gain the advantages of each layout. One type of layout that's often used today is the group technology layout that implements a cellular manufacturing system.

Cellular Manufacturing System is an application of Group Technology (GT), which involves grouping, based on machine components manufacturing and allocation of part families that have the same shape or processes to machine cells. Advantages of Cellular Manufacturing System is the system performance in terms of time for material handling is reduced, reduction of production time, reduction in setup time, the ideal batch size, reduction of work in progress, faster delivery time, high machine utilization, fewer workers, the quality is maintained and the reduction of floor space requirements [6].

Planning the number of machines is one of the first steps in designing the layout of the facility after the plant production capacity planning. Planning this machine is based on the time available and the production process of production targets. The number of machines required depending on production plans, production targets, production capacity, and production time required.

In calculating the number of machines, operations that use similar machines are grouped, with variable operating time, set-up time, and the operation of the production target. Thus the calculation of the amount of machining requirements can be formulated in equation 1 [6]:

$$F = \frac{SQ}{EHR} \qquad (1)$$

Where:
F = Number of machines required (units)
S = Processing time per operation per component (sec)
Q = Output per operation per day (units / sec)
E = Efficiency of the engine
H = Number of machine time available per day (seconds)
R = Reliability engine

The grouping of machine cells and part family is the most important thing in a cellular manufacturing system. Independent machine cells are expected in machine cell grouping. There are several methods in machine cell grouping including clustering method and the method of rank order clustering.

Clustering methods (clustering) is a technique that is used in multivariate statistics for the incorporation of observations into groups or clusters. The goal is to group observations in such a way so that each cluster strived to become more homogeneous cluster variables. In general, clustering procedure based on a very well-known similarity consists of three techniques, namely [3]:

1 Single Linkage Clustering (SLC)
Input for SLC technique can be distance (distance) or similarity (similarities) between pairs of objects. The group was formed through the merger of individual entities nearest neighbors is the smallest distance or largest similarity. For starters must be found is the distance in D = (dij) and combining objects that relate, for example U and V to obtain the cluster (UV) and each cluster W can be calculated as follows:

$$d_{(UV)W} = \min \{ d_{UW,}\ d_{VW} \} \qquad (2)$$

2 Complete Linkage Clustering (CLC)
CLC can be said to have the same meaning as SLC but with an important exception that each stage of the distance (dissimilarity) between clusters is determined by the distance or similarity between the two elements is the furthest (most distant). CLC guarantee that all items in a cluster are within the maximum or minimum resemblance to each other. Beginning to be discovered is the minimum distance D = {dij} and combining related objects, eg U and V to obtain the cluster (UV) and each cluster W can be calculated as follows:

$$d_{(UV)W} = \max \{d_{UW}, d_{VW}\} \qquad (3)$$

3 Averages Linkage Clustering (ALC)
ALC treat the distance between two clusters as the average between all pairs of items where one member of a pair to each cluster. ALC works starts from the search distance matrix D = {dij} to find the most similar objects, such as U and V. These objects are combined to form a cluster (UV) with the following formula:

$$d(uv)w = \frac{\sum_{i} \sum_{k} dik}{N(uv)Nw} \qquad (4)$$

ROC algorithm developed by King in 1980 [6]. ROC is a clustering technique that is known to be quite simple, efficient and effective. This technique was quick in drawing conclusions cell grouping machines and parts family. The ROC technique requires input in the form of binary numbers (0 or 1). ROC algorithm steps are as follows [6]:
Step 1; to rows m = 1, 2 ..., M; calculate the equivalent weight matrix binary cm through the engine and components. The formula to calculate the equivalent weight as follows:

$$c_m = \sum_{p=1}^{F} 2^{F-p} . c_{pm}\ (a_{pm} = 0\ or\ 1) \qquad (5)$$

Step 2 For the column p = 1, 2,..., P; calculate the equivalent weight of a binary matrix rp through the engine and components. The formula to calculate the equivalent weight as follows:

$$r_p = \sum_{m=1}^{M} 2^{M-m} . a_{pm}\ (a_{pm} = 0\ or\ 1) \qquad (6)$$

Step 3: If the results of the component machines matrix iteration process does not change again, then stop the iteration process.

In designing the layout of the facility, there are two methods in the layout and the method of quantitative and qualitative methods. There are various methods of quantitative methods modified one spanning tree (MST). Modified spanning tree (MST) is a method for determining the order of the facility. The input of this method is to chart

the data from symmetric and length of the facility. Completion of the steps of this method as follows:

1. Give the flow matrix [fij], clearance matrix [dij], and the length Li machine. Then, calculate the weighting matrix fij proximity with the formula = (fij) [dij + 1/2 (Li + Lj)].
2. Find the largest element in the matrix weights and denote closeness as a couple i * and j*. Settle fi * j = fj * i = - ∞.
3. Find the largest element and f⌐⌐j fi * k * i in row i * j * of weights proximity matrix. If fi ≥ fj * k * i, then connect to the i * k, move row i *, i * columns of matrix nearness; and set i * = k. Further, connect l to j * of weights proximity matrix and set j * = l. Settle fi * j = fj * i = -∞.
4. Repeat step 3 for the entire facility.

One method that is often used is qualitative Activity Relationship Chart (ARC). Activity Relationship Chart is designing the layout of a manufacturing facility using qualitative techniques. ARC showed the close relationship between facilities. In assessing the relationship between the levels of manufacturing facilities, we need to consider the factors that affect the level of relationship among others [3]:

1. Special demands derived from the specification of activities in each department.
2. The nature or characteristics of the building.
3. Tread building.
4. Facility environment.
5. Expansion

While the assessment system in the ARC using the following types of letters [3]:

A = absolutely necessary adjacent
E = Very Important adjacent
I = Important adjacent
O = No problem
U = It should be far apart
X = Absolute apart

III. METHODOLOGY

There are some steps being taken in this research i.e. data collection, designing the layout of the floor production, warehouse design, designing the factory supporting facilities layout, and factory layout design.

3.1. Data Collection

The data was collected in this study consist of: products of CV Citra dragon, production process, bill of materials, process sequence, operating time, specification of machinery and equipment, working hours, raw materials and product dimension.

3.2. Floor Production Layout Design

Processes in designing the layout of the floor production are as follows:

1. Analysis of the production process

Analysis of the production process was used to determine what layout will be used in the design layout. This analysis is based on the production process, how the company responds the market and production capacity.

2. Forming machine cells and part family

Forming machine cells and part family in this study is based on two methods, which are using Average Linkage Clustering (ALC) for first alternative, and using Rank Order Clustering (ROC) for second alternative.

3. Calculation of machine needed to perform the production activities

The calculation needs data such as processing time per machine, production targets, and availability of processing time, the machine efficiency and machine reliability.

4. Design of independent workstation

The design of independent workstations was based on operator's workspace area, space of machinery, and early extensive accumulation and last extensive accumulation. The sum was multiplied by 150% to obtain the size of an independent workstation.

5. Selection of material handling

Types of material handling equipment used are based on the type of production process and the size of the material to be transported. Material handling truck is type of material handling that suitable for use in the production process of job shop. Cube truck and hand truck were material handling equipment is used.

6. Design the layout of the floor production

Designing the layout of the floor production is divided into two kinds, intra cell layout design and inter cell. This second layout is based on the data *from to chart* and the length of the independent workstation or cell as an input of *singlerow.exe* software. Method of preparation of layout is modified spanning tree. The output of the software is then used as the basis for the preparation of the layout of the floor production.

7. Selection of alternative floor production layout

Displacement distance measurements were conducted to compare alternative layouts on the floor production. The layout has good mileage displacement for smaller components. Distance measurements were calculated using rectilinear. The data required in this measurement is the distance from the center point of each facility and the frequency of inter-facility transfer components.

3.3. Designing Warehouse

Designed warehouse is divided into three types, MFG storage, BO storage and finished product warehouse. The design is done based on the size of the warehouse storage media or stored items and the storage time in the shed.

3.4. Designing Factory Supporting Facility Layout

In addition to, the floor production and warehouse facilities were also designed several other production supports. Designing the layout of the plant support facilities based on the needs of the facility. The size of each factory facility adjusted based on those needs and standard provision made by Apple [1] and removal of goods.

3.5. Design of Plant Layout

The design of the overall plant layout used the Activity Relationship Chart (ARC). Having obtained the activity relationship chart then performed a block design template based on the activity relationship chart. Next step is the design of allocating area based on block diagram template and the size of the facility. The final step is to design the layout of a 2D image based on AutoCAD software of allocating area diagram.

IV. DISCUSSIONS

Based on the layout design, it can be analyzed to some process design. The analysis can be done is as follows.

4.1 Analysis of Forming machine Cell and Family Part

Forming machine cells and part family in this study is based on the similarity of the process production of each component. Components and machines in the process production are transformed in the matrix 0-1. Components that have process on a machine will be given by number 1 while the component that is not processed will be given by number 0 in the matrix 0-1. The formation is based on the similarity of this process because many similarities in the manufacturing process for the alsintan product components although the components come from different products.

Method of forming machine cell and part family is the Rank Order Clustering (ROC) method and Linkage Average Clustering (ALC). Both of these methods are equally in need of 0-1 matrices as initial input in the formation of machine cells and part family. ALC is a method of forming machine cell and part family who seek homogeneity of each machine cell with the average distance between clusters (cells). While the ROC is a method that is based on the formation of cell sorting rows and columns equivalent weights are obtained from the conversion of a binary number in the matrix 0-1. Both of these methods will ultimately result in family and arrangement of parts of different machines and ALC is as an first alternative and the ROC is as second alternative. Based on these two alternatives, it can be compared to the best alternatives that can be applied as a layout design on the floor production factory.

Formation of machine cells is using the ALC produces for four cells. One cell contains 16 different types of machines and process 23 components, two cell consists of 12 types of machine and process 39 components, three cell consists of 9 types of machines and process 52 components and four cells consists of 4 machines and process 52 components. Formation of machine cells using the ROC method also produces four cells. One cell contains 13 types of machine and process 57 components, two cell consists of 12 types of machine and process 37 components, three cell consists of 7 kinds of machines and process 38 components and four cell consists of 8 machines and 34 processing components. Judging from the number of cells and the number of machines in the cell, it can be concluded that the design of the cell formation that is used smaller number of larger cells. The design of this type of cell formation is more flexible in case of changes in product and component design. This is consistent with the strategy that applied make the order so if the company changes the product or component designs for consumer want, the company will meet consumer demand quickly.

Good machines cells are machines that are independent cells. Independent machine cells are cells that machines can process components from the beginning to the end of the components manufacture without having exceptional element. Exceptional elements are components which processed more than one cell. Formation of machine cells in both these methods is done by minimizing the number of existing exceptional, with no way to duplicate the machine processes only one component piece. Formation of machine cells with ALC methods produce 3 pieces of exceptional

components into the component elements 70 H, 103 H and 14 T. Formation of machine cells with ROC method produces 4 pieces of exceptional components into component elements, namely 1 H, 70 H, 87 H, and 78 T. in terms of the ability of cells in the formation of an independent, it can be concluded that the group of cells with ALC method is better than the cell formation using ROC.

4.2 Analysis of Alternative Selection Floor Production

Designed floor production consists of two alternatives. First alternative is derived from the design of the machine by using the average cell linkage clustering (ALC), while second alternative is derived from the design of the machine by using a rank order clustering (ROC). After the machine cell formation and floor production layout, then the layout is done by comparing the selection of displacement of existing material on both alternatives.

Distance displacement of material obtained from materials mileage that multiplied by the frequency displacement. Floor production of first alternative has a size of 82 m x 33 m and has a displacement distance of 1120.16 m while second alternative of the floor production measures 80 m x 33 m and has a displacement distance of 1291.52 m. Although it has a slightly larger size but the distance moved by the material on the alternative displacement is smaller than the distance of second alternatives that elected an alternate layout as the layout of the floor production.

Displacement of material is a non-productive activity that exists on the floor production. The distance of the farther to be traveled displacement of the production process, more productive wasted time is wasted in the production activities. Assuming the displacement velocity of 1 m / s for each material handling, then the displacement distance of 1120.16 m displacement takes 18.7 minutes to complete one alsintan product.

4.3 Analysis of Layout Flexibility

One of the advantages of the group technology layout is the use of flexible layout in case of change of products. Besides produce the main products namely hydro tiller and threshers, this factory can also produce other alsintan product. Appendix 1 shows the other products that have similar alsintan machines in the production process.

The similarity of the machines used in the manufacture of some alsintan products with hydro tiller products and threshers demonstrate the ability to produce alsintan products layouts other than the main product. This flexible layout capability indicates this layout can still be applicable if there is a demand for other products from consumers than products hydro tiller and threshers.

4.4 Analysis of Plant Facilities Layout

The preparation plant facility layout design is the final step after doing a large set of each manufacturing facility and activity relationship chart (ARC). End mill layout measures 84 mx 52 m, this measurement can be implemented with the size of the land owned by CV Citra Dragon with size 100 mx 70 m. Therefore, this layout can be a factor in the construction of a new factory CV Citra Dragon. Based on the results of the ARC, the design needs to be brought near absolute floor production with three facilities there are MFG storage, BO storage and warehouse. This closeness is based on three factors; the sequence of

work flow, the movement of goods or employee and a production support facilities.

When viewed as a whole type of material that is applied to the flow of this layout is the circular type. This type of flow can be seen from the initial movement of the material that originated from the MFG storage that went into the floor production and around the floor production before heading out in the warehouse that has a location adjacent to the MFG storage. Incoming material from MFG storage will process on each machine cell before finally moved to the assembly area. The execution of each component of these cells reduces the displacement distance of the components is done. In addition, this circular flow pattern also makes the floor production size is smaller and more regular material flow.

V. CONCLUSION

Alsintan factory designed by applying group technology layout has a circular flow pattern with 11 facilities. Designed facility consists of 10 room i.e. floor production, office, MFG storage, BO storage, warehouse, leader room, reception room, showroom, mosque, toilets and with 1 parking space. Final layout measures 84 mx 52 m, this measurement can be implemented with the size of the land that owned by CV Citra Dragon with the size of 70 mx 100 m.

APPENDIX

Appendix 1 shows some of the other products that have similar alsintan machines in the production process.

ACKNOWLEDGMENT

REFERENCES

[1] Apple, James M. (1990). Plant Layout and Material Handling. Third Edition. Bandung, ITB Publishers.
[2] CV Nugraha Chakti Consultant. (2012). Preparation of Action Plan Development of main Industry Agricultural Equipment in West Sumatra. Padang.
[3] Hadiguna, R.A and Heri Setiawan. (2008). Factory Layout. First Edition Yogyakarta, Andi Publisher.
[4] Heragu, S. (1997). Facilities Design. PWS Publishing Company. Boston. MA.
[5] Purnomo, Hari. (2004). Planning and Designing Facilities.Yogyakarta, Graha Ilmu.
[6] Singh, N. (1996). Cellular Manufacturing System. Fisrt Edition, Chapman & Hall, New York.
[7] Trisiafitri, Raja Dian. (2009). Factory Relocation Feasibility Analysis (Case Study: CV Citra Dragon). Final Project. Industrial Engineering Department, University of Andalas, Padang.
[8] Wignjosoebroto, Sritomo. (1996). Plant Layout and Material Handling. Third Edition. Surabaya, Publisher Widya Guna

APPENDIX 1
SPECIFICATION PRODUCTION PROCESS OF ALSINTAN PRODUCT

No	Product / Machine asdasd	Hydrotiller	Thresher	Reaper	Handtractor	Hammer Mill	Feed Fish machine	Compost Machine	Corn Sheller	Grass Choper	Mixer
1	Sawing Machine	√	√	√	√	√	√	√	√	√	√
2	Cut Grinding Machine	√	√			√	√	√	√	√	√
3	Small Scissors Machine	√	√	√	√	√	√		√	√	
4	Large Scissors Machine	√	√	√				√	√		
5	Cutting Plate Machine	√	√	√	√	√	√	√	√	√	√
6	Hand Cutting Plate Machine	√	√	√	√	√	√	√	√	√	√
7	Iron Concrete Cutting Machine	√	√	√	√	√	√		√		
8	Bending Machine	√	√		√	√					
9	Lathe	√	√	√	√	√	√	√	√	√	√
10	Drilling Machine	√	√	√	√	√	√	√	√	√	√
11	Folding Palte Machine	√	√	√	√	√	√	√	√	√	√
12	Pond Machine	√	√	√		√					
13	Press Machine	√	√	√	√	√		√			
14	Roll Machine	√	√	√		√	√	√	√	√	√
15	Planers Machine	√	√				√	√	√	√	√
16	Grinding Machine	√	√	√	√	√	√	√	√	√	√
17	Screw Machine	√	√	√	√	√		√	√	√	√
18	Welding Machine	√	√	√	√	√	√	√	√	√	√
19	Welding Raft	√	√	√	√	√	√	√	√	√	√
20	Compressor	√	√	√	√	√	√	√	√	√	√

Scopus Preview

Search   Sources   Alerts   Lists   Help   Login

Author details

The Scopus Author Identifier assigns a unique number to groups of documents written by the same author via an algorithm that matches authorship based on a certain criteria. If a document cannot be confidently matched with an author identifier, it is grouped separately. In this case, you may see more than 1 entry for the same author.

Print | E-mail

Putri, Nilda Tri
Universitas Andalas, Department of Industrial Engineering, Padang, Indonesia
Author ID: 53864158100

About Scopus Author Identifier | View potential author matches

Other name formats: Putri, N. T.

Follow this Author   Receive emails when this author publishes new articles

Get citation alerts

Add to ORCID

Request author detail corrections

Documents: 10   Analyze author output

Citations: 0 total citations by 0 document

h-index:

Co-authors: 17

Subject area: Business, Management and Accounting , Engineering View More

10 Documents | 17 co-authors

10 documents   View in search results format

Sort on: **Date** Cited by [...]

Export all | Add all to list | Set document alert | Set document feed

Redesign of thresher machine for farmers using rapid upper limb assessment (RULA) method	Putri, N.T.,Susanti, L., Tito, A.,Sutanto, A.	2016	IEEE International Conference on Industrial Engineering and Engineering Management	0
View abstract	Related documents				
The role of an organizational culture and individual towards knowledge management practice in cement industry	Putri, N.T.,Kurnia, S.	2016	2016 IEEE International Conference on Management of Innovation and Technology, ICMIT 2016	0
View abstract	Related documents				
Comparison of Quality Engineering Practices in Malaysian and Indonesian Automotive Related Companies	Putri, N.T., Sha'Ri Mohd, Y., Irianto, D.	2016	IOP Conference Series: Materials Science and Engineering	0
View abstract	Related documents				
Design of quality system documentation in hydrotiller production unit as improvement of quality management system in small and medium enterprise	Putri, N.T.,Retha, F., Yusof, S.M.	2016	International Journal of Productivity and Quality Management	0
View abstract	Related documents				
Facility layout design on the agricultural machinery industry	Putri, N.T.,Fithri, P., Taufik, M.	2015	Lecture Notes in Engineering and Computer Science	0
View abstract	Related documents				
An inventory system of packaging materials: Case study at PT. Djambi Waras Jujuhan	Putri, N.T.,Jonrinaldi, Risa Noviani, Y.R.	2015	Lecture Notes in Electrical Engineering	0
View abstract	Related documents				
The effect of TQM implementation towards productivity of employees using Structural Equation Modeling (SEM) analysis method in PT XYZ	Putri, N.T.,Darma, H.S.	2014	ICMIT 2014 - 2014 IEEE International Conference on Management of Innovation and Technology	0
View abstract	Related documents				
The Delphi hierarchy process-based study of quality engineering in Malaysia and Indonesia automotive companies	Putri, N.T., Mohd. Yusof, S., Irianto, D.	2014	TQM Journal	0
View abstract	Related documents				
Strategic road performance model: An approach to sustainable facilities management	Kamil, I.,Alias, B., Mohammed, A.H., Putri, N.T.,Meilani, D.	2014	Jurnal Teknologi	0
View abstract	Related documents				

Author History

Publication range: 2011 - 2016
References: 140

Source history:
Lecture Notes in Electrical Engineering   View documents
IEEE International Conference on Industrial Engineering and Engineering Management   View documents
IOP Conference Series: Materials Science and Engineering
                                       View documents
View More

    Show Related Affiliations

An empirical investigation of quality tools and techniques practices in Malaysia and Indonesia automotive industries	Putri, N.T.,Yusof, S.M.	2011	2011 IEEE International Conference on Quality and Reliability, ICQR 2011	0

View abstract | Related documents

Display: 20 ▼ results per page

Page 1

Top of page

The data displayed above is compiled exclusively from articles published in the Scopus database. To request corrections to any inaccuracies or provide any further feedback, please contact us (registration required).
The data displayed above is subject to the privacy conditions contained in the privacy policy .

About Scopus

What is Scopus

Content coverage

Scopus blog

Scopus API

Privacy matters

Language

日本語に切り替える

切换到简体中文

切換到繁體中文

Customer Service

Help

ELSEVIER

Terms and conditions   Privacy policy

Copyright © 2017 Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

Cookies are set by this site. To decline them or learn more, visit our Cookies page.

RELX Group™

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

SUPPORT DOAJ

Home   Search   Browse Subjects

Facility Layout Design On The Agricultural Machinery Industry

Lecture Notes in Engineering and Computer Science. 2015;2216(1):926-930

AUTHORS

Nilda Tri Putri
Prima Fithri
Muhammad Taufik

EDITORIAL INFORMATION

Abstract | **Full Text**

None

9,389 Journals
6,757 searchable at Article level
128 Countries
2,437,205 Articles

FAQs

Interacting with DOAJ

Open Access Information
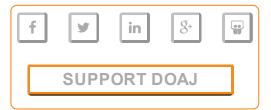
Best Practice

Download metadata

New Journals Feed

Our members

Our publisher members

Our sponsors

Our volunteers

SUPPORT DOAJ

Contact us / IS4OA / Cottage Labs LLP