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Contents

Part I Invited Speaker

1 Computational Intelligence Based Regulation of the DC Bus in the On-grid Photovoltaic System	3
Mauridhi Hery Purnomo, Iwan Setiawan and Ardyono Priyadi	
2 Virtual Prototyping of a Compliant Spindle for Robotic Deburring	17
Giovanni Berselli, Marcello Pellicciari, Gabriele Bigi and Angelo O. Andrisano	
3 A Concept of Multi Rough Sets Defined on Multi-contextual Information Systems	31
Rolly Intan	

Part II Technology Innovation in Robotics Image Recognition and Computational Intelligence Applications

4 Coordinates Modelling of the Discrete Hexapod Manipulator via Artificial Intelligence	47
Felix Pasila and Roche Alimin	
5 An Object Recognition in Video Image Using Computer Vision	55
Sang-gu Kim, Seung-hoon Kang, Joung Gyu Lee and Hoon Jae Lee	
6 Comparative Study on Mammogram Image Enhancement Methods According to the Determinant of Radiography Image Quality	65
Erna Alimudin, Hanung Adi Nugroho and Teguh Bharata Adji	

7	Clustering and Principal Feature Selection Impact for Internet Traffic Classification Using K-NN.	75
	Trianggoro Wiradinata and P. Adi Suryaputra	
8	Altitude Lock Capability Benchmarking: Type 2 Fuzzy, Type 1 Fuzzy, and Fuzzy-PID with Extreme Altitude Change as a Disturbance	83
	Hendi Wicaksono, Yohanes Gunawan, Cornelius Kristanto and Leonardie Haryanto	
9	Indonesian Dynamic Sign Language Recognition at Complex Background with 2D Convolutional Neural Networks	91
	Nehemia Sugianto and Elizabeth Irenne Yuwono	
10	Image-Based Distance Change Identification by Segment Correlation	99
	Nemuel Daniel Pah	
11	Situation Awareness Assessment Mechanism for a Telepresence Robot	107
	Petrus Santoso and Handry Khoswanto	
12	Relevant Features for Classification of Digital Mammogram Images.	115
	Erna Alimudin, Hanung Adi Nugroho and Teguh Bharata Adji	
13	Multi-objective Using NSGA-2 for Enhancing the Consistency-Matrix.	123
	Abba Suganda Girsang, Sfenrianto and Jarot S. Suroso	
14	Optimization of AI Tactic in Action-RPG Game	131
	Kristo Radion Purba	
15	Direction and Semantic Features for Handwritten Balinese Character Recognition System	139
	Luh Putu Ayu Prapitasari and Komang Budiarta	
16	Energy Decomposition Model Using Takagi-Sugeno Neuro Fuzzy	149
	Yusak Tanoto and Felix Pasila	
17	Odometry Algorithm with Obstacle Avoidance on Mobile Robot Navigation.	155
	Handry Khoswanto, Petrus Santoso and Resmana Lim	

**Part III Technology Innovation in Electrical Engineering,
Electric Vehicle and Energy Management**

18 Vision-Based Human Position Estimation and Following Using an Unmanned Hexarotor Helicopter 165
Jung Hyun Lee and Taeseok Jin

19 The Role of Renewable Energy: Sumba Iconic Island, an Implementation of 100 Percent Renewable Energy by 2020 173
Abraham Lomi

20 Electromechanical Characterization of Bucky Gel Actuator Based on Polymer Composite PCL-PU-CNT for Artificial Muscle 185
Yudan Whulanza, Andika Praditya Hadiputra, Felix Pasila and Sugeng Supriadi

21 A Single-Phase Twin-Buck Inverter 193
Hanny H. Tumbelaka

22 Performance Comparison of Intelligent Control of Maximum Power Point Tracking in Photovoltaic System. 203
Daniel Martomanggolo Wonohadidjojo

23 Vehicle Security and Management System on GPS Assisted Vehicle Using Geofence and Google Map 215
Lanny Agustine, Egber Pangaliela and Hartono Pranjoto

24 Security and Stability Improvement of Power System Due to Interconnection of DG to the Grid 227
Ni Putu Agustini, Lauhil Mahfudz Hayusman, Taufik Hidayat and I. Made Wartana

25 Solar Simulator Using Halogen Lamp for PV Research 239
Aryuanto Soetedjo, Yusuf Ismail Nakhoda, Abraham Lomi and Teguh Adi Suryanto

26 Artificial Bee Colony Algorithm for Optimal Power Flow on Transient Stability of Java-Bali 500 KV 247
Irrine Budi Sulistiawati and M. Ibrahim Ashari

27 Sizing and Costs Implications of Long-Term Electricity Planning: A Case of Kupang City, Indonesia. 257
Daniel Rohi and Yusak Tanoto

28 Dynamic Simulation of Wheel Drive and Suspension System in a Through-the-Road Parallel Hybrid Electric Vehicle 263
Mohamad Yamin, Cokorda P. Mahandari and Rasyid H. Sudono

29	A Reliable, Low-Cost, and Low-Power Base Platform for Energy Management System	271
	Henry Hermawan, Edward Oesnawi and Albert Darmaliputra	
30	Android Application for Distribution Switchboard Design	279
	Julius Sentosa Setiadji, Kevin Budihargono and Petrus Santoso	
Part IV Technology Innovation in Electronic, Manufacturing, Instrumentation and Material Engineering		
31	Adaptive Bilateral Filter for Infrared Small Target Enhancement	289
	Tae Wuk Bae and Hwi Gang Kim	
32	Innovative Tester for Underwater Locator Beacon Used in Flight/Voyage Recorder (Black Box)	299
	Hartono Pranjoto and Sutoyo	
33	2D CFD Model of Blunt NACA 0018 at High Reynolds Number for Improving Vertical Axis Turbine Performance	309
	Nu Rrahida Arini, Stephen R. Turnock and Mingyi Tan	
34	Recycling of the Ash Waste by Electric Plasma Treatment to Produce Fibrous Materials	319
	S.L. Buyantuev, A.S. Kondratenko, E.T. Bazarsadaev and A.B. Khmelev	
35	Performance Evaluation of Welded Knitted E-Fabrics for Electrical Resistance Heating	327
	Senem Kursun Bahadir, Ozgur Atalay, Fatma Kalaoglu, Savvas Vassiliadis and Stelios Potirakis	
36	IP Based Module for Building Automation System	337
	J.D. Irawan, S. Prasetyo and S.A. Wibowo	
37	Influence of CTAB and Sonication on Nickel Hydroxide Nanoparticles Synthesis by Electrolysis at High Voltage	345
	Yanatra Budipramana, Suprpto, Taslim Ersam and Fredy Kurniawan	
38	Waste Industrial Processing of Boron-Treated by Plasma Arc to Produce the Melt and Fiber Materials	353
	S.L. Buyantuev, Ning Guiling, A.S. Kondratenko, Junwei Ye, E.T. Bazarsadaev, A.B. Khmelev and Shuhong Guo	
39	Design of Arrhythmia Detection Device Based on Fingertip Pulse Sensor	363
	R. Wahyu Kusuma, R. Al Aziz Abbie and Purnawarman Musa	

40 Analysis of Fundamental Frequency and Formant Frequency for Speaker ‘Makhraj’ Pronunciation with DTW Method 373
 Muhammad Subali, Miftah Andriansyah and Christanto Sinambela

41 Design and Fabrication of “Ha (ʉm)” Shape-Slot Microstrip Antenna for WLAN 2.4 GHz 383
 Srisanto Sotyhadi, Sholeh Hadi Pramono and Moehammad Sarosa

42 Investigation of the Electric Discharge Machining on the Stability of Coal-Water Slurries 393
 S.L. Buyantuev, A.B. Khmelev, A.S. Kondratenko and F.P. Baldynova

43 A River Water Level Monitoring System Using Android-Based Wireless Sensor Networks for a Flood Early Warning System 401
 Riny Sulistyowati, Hari Agus Sujono and Ahmad Khamdi Musthofa

44 The Influence of Depth of Cut, Feed Rate and Step-Over on Surface Roughness of Polycarbonate Material in Subtractive Rapid Prototyping 409
 The Jaya Suteja

45 Adaptive Cars Headlamps System with Image Processing and Lighting Angle Control 415
 William Tandy Prasetyo, Petrus Santoso and Resmana Lim

46 Changes in the Rheological Properties and the Selection of a Mathematical Model of the Behavior of Coal-Water Slurry During Transport and Storage 423
 S.L. Buyantuev, A.B. Khmelev and A.S. Kondratenko

47 Design of a Fetal Heartbeat Detector 429
 Nur Sultan Salahuddin, Sri Poernomo Sari, Paulus A. Jambormias and Johan Harlan

Part V Technology Innovation in Internet of Things and Its Applications

48 Network Traffic and Security Event Collecting System 439
 Hee-Seung Son, Jin-Heung Lee, Tae-Yong Kim and Sang-Gon Lee

49 Paper Prototyping for BatiKids: A Technique to Examine Children’s Interaction and Feedback in Designing a Game-Based Learning 447
 Hestiasari Rante, Heidi Schelhowe and Michael Lund

50	Tracing Related Scientific Papers by a Given Seed Paper Using Parscit	457
	Resmana Lim, Indra Ruslan, Hansin Susatya, Adi Wibowo, Andreas Handojo and Raymond Sutjiadi	
51	Factors Affecting Edmodo Adoption as Online Learning Medium.	465
	Iwa Sungkono Herlambanggoro and Trianggoro Wiradinata	
52	Principal Feature Selection Impact for Internet Traffic Classification Using Naïve Bayes.	475
	Adi Suryaputra Paramita	
53	Study on the Public Sector Information (PSI) Service Model for Science and Technology Domain in South Korea	481
	Yong Ho Lee	
54	Digital Natives: Its Characteristics and Challenge to the Library Service Quality	487
	Siana Halim, Felecia, Ingrid, Dian Wulandari and Demmy Kasih	
55	Web-Based Design of the Regional Health Service System in Bogor Regency.	495
	B. Sundari, Revida Iriana and Bertilia Lina Kusrina	
56	Security Handwritten Documents Using Inner Product	501
	Syaifudin and Dian Pratiwi	
57	Augmented Reality Technique for Climate Change Mitigation	511
	Ruswandi Tahrir	
58	Cyber Security for Website of Technology Policy Laboratory	521
	Jarot S. Suroso	
59	TAM-MOA Hybrid Model to Analyze the Acceptance of Smartphone for Pediatricians in Teaching Hospital in Indonesia.	529
	Oktri Mohammad Firdaus, Nanan Sekarwana, T.M.A. Ari Samadhi and Kah Hin Chai	
60	Development of the Remote Instrumentation Systems Based on Embedded Web to Support Remote Laboratory	537
	F. Yudi Limpraptono and Irmalia Suryani Faradisa	
61	Enhancing University Library Services with Mobile Library Information System	545
	Singgih Lukman Anggana and Stephanus Eko Wahyudi	

62 Multi Level Filtering to Classify and Block Undesirable Explicit Material in Website 553
 Mohammad Iqbal, Hifshan Riesvicky, Hasma Rasjid and Yulia Charli

63 Query Rewriting and Corpus of Semantic Similarity as Encryption Method for Documents in Indonesian Language. 565
 Detty Purnamasari, Rini Arianty, Diana Tri Susetianingias and Reni Diah Kusumawati

64 Securing Client-Server Application Design for Information System Inventory 573
 Ibnu Gunawan, Djoni Haryadi Setiabudi, Agustinus Noertjahyana and Yongky Hermawan

Part VI Technology Innovation in Information, Modelling and Mobile Applications

65 Analyzing Humanitarian Logistic Coordination for Disaster Relief in Indonesia. 583
 Tanti Octavia, I. Gede Agus Widyadana and Herry Christian Palit

66 Surakarta Cultural Heritage Management Based on Geographic Information Systems 589
 Ery Dewayani and M. Viny Christanti

67 Gray Code of Generating Tree of *n* Permutation with *m* Cycles 599
 Sulistyو Puspitodjati, Henny Widowati and Crispina Pardede

68 Android and iOS Hybrid Applications for Surabaya Public Transport Information. 607
 Djoni Haryadi Setiabudi and Lady Joanne Tjahyana

69 Games and Multimedia Implementation on Heroic Battle of Surabaya: An Android Based Mobile Device Application. 619
 Andreas Handojo, Resmana Lim, Justinus Andjarwirawan and Sandy Sunaryo

70 Streamlining Business Process: A Case Study of Optimizing a Business Process to Issue a Letter of Assignment for a Lecturer in the University of Surabaya. 631
 S.T. Jimmy

71 Design of Adventure Indonesian Folklore Game 639
 Kartika Gunadi, Liliana and Harvey Tjahjono

72 Measuring the Usage Level of the IE Tools in SMEs Using Malcolm Baldrige Scoring System 649
I. Nyoman Sutapa, Togas W.S. Panjaitan and Jani Rahardjo

73 Enumeration and Generation Aspects of Tribonacci Strings 659
Maukar, Asep Juarna and Djati Kerami

74 A Leukocyte Detection System Using Scale Invariant Feature Transform Method 669
Lina and Budi Dharmawan

75 The Diameter of Enhanced Extended Fibonacci Cube Interconnection Networks 675
Ernastuti, Mufid Nilmada and Ravi Salim

76 Prototype Design of a Realtime Monitoring System of a Fuel Tank at a Gas Station Using an Android-Based Mobile Application 685
Riny Sulityowati and Bayu Bhahtra Kurnia Rafik

Introduction

This book includes the original, peer-reviewed research papers from the 2nd International Conference on Electrical Systems, Technology and Information (ICESTI 2015), held during 9–12 September 2015, at Patra Jasa Resort & Villas Bali, Indonesia.

The primary objective of this book is to provide references for dissemination and discussion of the topics that have been presented in the conference. This volume is unique in that it includes work related to Electrical Engineering, Technology and Information towards their sustainable development. Engineers, researchers as well as lecturers from universities and professionals in industry and government will gain valuable insights into interdisciplinary solutions in the field of Electrical Systems, Technology and Information, and its applications.

The topics of ICESTI 2015 provide a forum for accessing the most up-to-date and authoritative knowledge and the best practices in the field of Electrical Engineering, Technology and Information towards their sustainable development. The editors selected high quality papers from the conference that passed through a minimum of three reviewers, with an acceptance rate of 50.6 %.

In the conference there were three invited papers from keynote speakers, whose papers are also included in this book, entitled: “Computational Intelligence based Regulation of the DC bus in the On-Grid Photovoltaic System”, “Virtual Prototyping of a Compliant Spindle for Robotic Deburring” and “A Concept of Multi Rough Sets Defined on Multi-Contextual Information Systems”.

The conference also classified the technology innovation topics into five parts: “Technology Innovation in Robotics, Image Recognition and Computational Intelligence Applications”, “Technology Innovation in Electrical Engineering, Electric Vehicle and Energy Management”, “Technology Innovation in Electronic, Manufacturing, Instrumentation and Material Engineering”, “Technology Innovation in Internet of Things and Its Applications” and “Technology Innovation in Information, Modeling and Mobile Applications”.

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On behalf of the editors

Felix Pasila