

**LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING**

Judul Karya Ilmiah : Development of hovercraft prototype with stability control system using PID controller
 Jumlah Penulis : 3 Orang
 Status Pengusul : Penulis ke-3
 Identitas Prosiding : a. Judul Prosiding : 2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)
 b. ISBN/ISSN : 978-1-5090-0890-2
 c. Thn Terbit, Tempat Pelaks. : 2016, Semarang, Indonesia
 d. Penerbit/Organiser : IEEE
 e. Alamat Repository/Web : <https://ieeexplore.ieee.org/document/7892421>
 Alamat Artikel : <http://eprints.undip.ac.id/77996/1/icitacee20163.pdf>
 f. Terindeks di (jika ada) : Scopus

Kategori Publikasi Makalah : *Prosiding* Forum Ilmiah Internasional
 (beri ✓ pada kategori yang tepat) *Prosiding* Forum Ilmiah Nasional

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Reviewer		Nilai Rata-rata
	Reviewer I	Reviewer II	
a. Kelengkapan unsur isi prosiding (10%)	2,50	2,50	2,50
b. Ruang lingkup dan kedalaman pembahasan (30%)	7,00	7,00	7,00
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	7,50	7,50	7,50
d. Kelengkapan unsur dan kualitas terbitan/prosiding(30%)	7,00	7,00	7,00
Total = (100%)	24,00	24,00	24,00
Nilai Pengusul = (40% x 24,00)/2= 4,80			

Semarang,

Reviewer 2



Dr. Iwan Setiawan, S.T., M.T.
 NIP. 197309262000121001
 Unit Kerja : Teknik Elektro FT UNDIP

Reviewer 1



Dr. Wahyudi, S.T., M.T.
 NIP. 196906121994031001
 Unit Kerja : Teknik Elektro FT UNDIP

**LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING**

Judul Karya Ilmiah : Development of hovercraft prototype with stability control system using PID controller
 Jumlah Penulis : 3 Orang
 Status Pengusul : Penulis ke-3
 Identitas Prosiding : a. Judul Prosiding : 2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)
 b. ISBN/ISSN : 978-1-5090-0890-2
 c. Thn Terbit, Tempat Pelaks. : 2016, Semarang, Indonesia
 d. Penerbit/Organiser : IEEE
 e. Alamat Repository/Web : <https://ieeexplore.ieee.org/document/7892421>
 Alamat Artikel : <http://eprints.undip.ac.id/77996/1/icitacee20163.pdf>
 f. Terindeks di (jika ada) : Scopus

Kategori Publikasi Makalah : *Prosiding* Forum Ilmiah Internasional
 (beri ✓ pada kategori yang tepat) *Prosiding* Forum Ilmiah Nasional

Hasil Penilaian *Peer Review* :


Komponen Yang Dinilai	Nilai Maksimal Prosiding		Nilai Akhir Yang Diperoleh
	Internasional <input type="checkbox"/>	Nasional <input type="checkbox"/>	
a. Kelengkapan unsur isi prosiding (10%)	2,50		2,50
b. Ruang lingkup dan kedalaman pembahasan (30%)	7,50		7,00
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	7,50		7,50
d. Kelengkapan unsur dan kualitas terbitan/prosiding(30%)	7,50		7,00
Total = (100%)	25,00		24,00
Nilai Pengusul = (40% x 24,00)/2= 4,80			

Catatan Penilaian Paper oleh Reviewer :

- Kesesuaian dan kelengkapan unsur isi paper:** *Isi paper cukup baik dan memenuhi standar kualifikasi untuk publikasi internasional.*
- Ruang lingkup dan kedalaman pembahasan:** *Lingkup jurnal sesuai, pembahasan paper cukup detail.*
- Kecukupan dan kemutakhiran data/informasi dan metodologi:** *Referensi mutakhir, metode bukan novelty, aplikasi pengembangan.*
- Kelengkapan unsur dan kualitas terbitan:** *Kualitas terbitan baik (terindex Scopus Q4).*

Semarang,

Reviewer 1


 Dr. Wahyudi, S.T., M.T.
 NIP. 196906121994031001
 Unit Kerja : Teknik Elektro FT UNDIP

**LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING**

Judul Karya Ilmiah : Development of hovercraft prototype with stability control system using PID controller
 Jumlah Penulis : 3 Orang
 Status Pengusul : Penulis ke-3
 Identitas Prosiding : a. Judul Prosiding : 2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)
 b. ISBN/ISSN : 978-1-5090-0890-2
 c. Thn Terbit, Tempat Pelaks. : 2016, Semarang, Indonesia
 d. Penerbit/Organiser : IEEE
 e. Alamat Repository/Web : <https://ieeexplore.ieee.org/document/7892421>
 Alamat Artikel : <http://eprints.undip.ac.id/77996/1/icitacee20163.pdf>
 f. Terindeks di (jika ada) : Scopus

Kategori Publikasi Makalah : *Prosiding* Forum Ilmiah Internasional
 (beri ✓ pada kategori yang tepat) *Prosiding* Forum Ilmiah Nasional

Hasil Penilaian *Peer Review* :

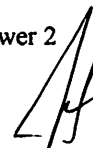
Komponen Yang Dinilai	Nilai Maksimal Prosiding		Nilai Akhir Yang Diperoleh
	Internasional <input type="checkbox"/>	Nasional <input type="checkbox"/>	
a. Kelengkapan unsur isi prosiding (10%)	2,50		2,50
b. Ruang lingkup dan kedalaman pembahasan (30%)	7,50		7,00
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	7,50		7,50
d. Kelengkapan unsur dan kualitas terbitan/prosiding(30%)	7,50		7,00
Total = (100%)	25,00		24,00
Nilai Pengusul = (40% x 24,00)/2= 4,80			

Catatan Penilaian Paper oleh Reviewer :

- Kesesuaian dan kelengkapan unsur isi paper:** *Isi paper cukup baik dan merupakan hasil eksperimen yang lengkap.*
- Ruang lingkup dan kedalaman pembahasan:** *Lingkup jurnal cukup luas, pembahasan paper cukup detail.*
- Kecukupan dan kemutakhiran data/informasi dan metodologi:** *Referensi mutakhir, metode dan aplikasi bukan novelty namun cukup inovatif.*
- Kelengkapan unsur dan kualitas terbitan:** *Kualitas terbitan baik, terindex Scopus.*

Semarang,

Reviewer 2



Dr. Iwan Setiawan, S.T., M.T.
 NIP. 197309262000121001
 Unit Kerja : Teknik Elektro FT UNDIP



Document details

< Back to results | < Previous 12 of 19 Next >

[↗](#) Export [↓](#) Download [🖨](#) Print [✉](#) E-mail [📄](#) Save to PDF [★](#) Add to List [More... >](#)

[View at Publisher](#)

Proceedings - 2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering, ICITACEE 2016
4 April 2017, Article number 7892421, Pages 112-116
3rd International Conference on Information Technology, Computer, and Electrical Engineering, ICITACEE 2016; Hom Hotel Semarang; Indonesia; 19 October 2016 through 21 October 2016; Category number CFP1689Z-PRT; Code 127215

Development of hovercraft prototype with stability control system using PID controller (Conference Paper)

Riyadi, M.A. [✉](#), Rahmando, L., Triwiyatno, A.

Department of Electrical Engineering, Diponegoro University, Kampus Tekmbalang, Semarang, Indonesia

Abstract

[View references \(9\)](#)

Hovercraft is a mode of transportation as an alternative for users who stay on the river dan swamp surface. The problem with hovercraft is when uncertain weather and environmental condition, e.g. wind velocity and wave height disturb stability of hovercraft so as to endanger the driver. We propose a way to maintain the balance of the hovercraft by controlling center of gravity (CG) in the balance position. The controller controls the position of load to balance position. A 6-DOF IMU Sensor MPU 6050 was employed to generate data as a comparison with setpoint. PID control method was used. The test result shows that the prototype of hovercraft was able to keep its balance on the axis orientation of the roll although it was less effective in the pitch axis orientation. © 2016 IEEE.

SciVal Topic Prominence [ⓘ](#)

Topic: Control | Nonlinear systems | Disturbance decoupling

Prominence percentile: 52.023 [ⓘ](#)

Author keywords

[Hovercraft](#) [PID](#) [SetPoint](#) [Stability](#)

Indexed keywords

Engineering controlled terms: [Air cushion vehicles](#) [Convergence of numerical methods](#) [Three term control systems](#)

Engineering uncontrolled terms: [Axis orientation](#) [Balance positions](#) [Center of gravity](#) [Control methods](#) [Environmental conditions](#) [Setpoints](#) [Stability control systems](#) [Wind velocities](#)

Engineering main heading: [Controllers](#)

Metrics [ⓘ](#) [View all metrics >](#)

1 Citation in Scopus
70th percentile

0.44 Field-Weighted
Citation Impact



PlumX Metrics [▼](#)

Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

Cited by 1 document

Particle swarm optimization (PSO)-based self tuning proportional, integral, derivative (PID) for bearing navigation control system on quadcopter
Sumardi, Sulila, M.S., Riyadi, M.A.
(2017) *Proceedings - 2017 4th International Conference on Information Technology, Computer, and Electrical Engineering, ICITACEE 2017*

[View details of this citation](#)

Inform me when this document is cited in Scopus:

[Set citation alert >](#)

[Set citation feed >](#)

Related documents

Stability control structure of hovercraft prototype utilising PID controller

Yenugula, B.R., Zia-ur-Rahman, M.
(2017) *Bulletin of Electrical Engineering and Informatics*

ISBN: 978-150901434-7

Source Type: Conference Proceeding

Original language: English

DOI: 10.1109/ICITACEE.2016.7892421

Document Type: Conference Paper

Volume Editors: Widiyanto E.D., Arfan M., Riyadi M.A., Facta M.

Sponsors:

Publisher: Institute of Electrical and Electronics Engineers Inc.

Genetic algorithm based LQR control of hovercraft

Mansoor, H. , Shaikh, I.-U.-H. , Habib, S.

(2016) *2016 International Conference on Intelligent Systems Engineering, ICISE 2016*

Disturbance-estimation-based hierarchical sliding mode control of hovercraft with wind disturbance

Jeong, S. , Eom, M. , Chwa, D. (2015) *ICCAS 2015 - 2015 15th International Conference on Control, Automation and Systems, Proceedings*

View all related documents based on references

Find more related documents in Scopus based on:

Authors > Keywords >

References (9)

[View in search results format >](#)

All Export Print E-mail Save to PDF Create bibliography

-
- 1 Amyot, J.R. (1989) *Hovercraft Technology, Economics and Applications*. Cited 10 times. Elsevier, Oxford
-
- 2 Okafor, B.E. (2013) *Development of A Hovercraft Prototype* University of Technology Owerri-Nigeria
-
- 3 Fatoni, I. (2002) *Non-Linear Control for Underactuated Mechanical System*. Cited 530 times. Springer-Verlag, London.
-
- 4 Fantoni, I., Lozano, R., Mazenc, F., Pettersen, K.Y. **Stabilization of a nonlinear underactuated hovercraft**

(2000) *International Journal of Robust and Nonlinear Control*, 10 (8), pp. 645-654. Cited 58 times. doi: 10.1002/1099-1239(20000715)10:8<645::AID-RNC503>3.0.CO;2-U

[View at Publisher](#)
-
- 5 *MPU-6050 3-axis Accelerometer + 3-axis Gyroscope Module Data* InvenSense
-
- 6 Wang, C.-C., Su, J.-P. **Fuzzy gain scheduled integral control and its application to a hovercraft vessel with uncertainties**

(2006) *First International Conference on Innovative Computing, Information and Control 2006, ICICIC'06*, art. no. 1691847, pp. 501-504. Cited 5 times. ISBN: 0769526160; 978-076952616-4 doi: 10.1109/ICICIC.2006.86

[View at Publisher](#)
-
- 7 Ab Malek, M.N., Mohamed Ali, M.S. **Evolutionary tuning method for PID controller parameters of a cruise control system using metamodeling** ([Open Access](#))

(2009) *Modelling and Simulation in Engineering*, 2009, art. no. 234529. Cited 8 times. doi: 10.1155/2009/234529

[View at Publisher](#)
-

□ 8 Shi, X., Liu, Z., Fu, M., Wang, C.

Amphibious hovercraft course control based on support vector machines adaptive PID

(2011) *IEEE International Conference on Automation and Logistics, ICAL*, art. no. 6024729, pp. 287-292. Cited 7 times.

ISBN: 978-145770301-0

doi: 10.1109/ICAL.2011.6024729

[View at Publisher](#)

□ 9 Tanaka, Kazuo, Iwasaki, Masaaki, Wang, Hua O.

Stable switching fuzzy control and its application to a hovercraft type vehicle

(2000) *IEEE International Conference on Fuzzy Systems*, 2, pp. 804-809. Cited 44 times.

[View at Publisher](#)

© Copyright 2017 Elsevier B.V., All rights reserved.

[< Back to results](#) | [< Previous](#) 12 of 19 [Next >](#)

[^ Top of page](#)

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](#)
[切换到繁體中文](#)
[Русский язык](#)

Customer Service

[Help](#)
[Contact us](#)

ELSEVIER

[Terms and conditions ↗](#) [Privacy policy ↗](#)

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

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies.

 RELX

ISBN : 978-1-5090-1434-7



THE 3rd INTERNATIONAL CONFERENCE
ON INFORMATION TECHNOLOGY, COMPUTER,
AND ELECTRICAL ENGINEERING

“**GREEN TECHNOLOGY**
STRENGTHENING IN INFORMATION TECHNOLOGY,
ELECTRICAL AND COMPUTER ENGINEERING
IMPLEMENTATION”

PROCEEDINGS

SEMARANG, 19TH - 21ST OCTOBER 2016



**UNIVERSITAS
DIPONEGORO**
BECOMES AN EXCELLENT RESEARCH UNIVERSITY



IEEE

Proceedings

2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE 2016)

October 19-21st, 2016, Semarang, Indonesia

Editor:

Mochammad Facta
Munawar Agus Riyadi
Eko Didik Widiyanto
M. Arfan

Proceedings

2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE 2016)

Copyright and Reprint Permission: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923. For reprint or republication permission, email to IEEE Copyrights Manager at pubs-permissions@ieee.org. All rights reserved.

Copyright ©2016 by IEEE.

Publisher :

Department of Electrical Engineering
Diponegoro University

ISBN : 978-1-5090-1434-7 (PRINT, Part Number : CFP1689Z-PRT)

ISBN : 978-1-5090-1433-0 (DVD, Part Number : CFP1689Z-DVD)

ISBN : 978-1-5090-0890-2 (XPLORE COMPLIANT, Part Number : CFP1689Z-ART)

Additional copies may be ordered to:
Department of Electrical Engineering
Diponegoro University,
Jl. Prof. H. Soedarto, S.H., Tembalang
Semarang, Indonesia 50275

Greetings from the General Chair

Welcome to 2016 the 3rd International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE) held in Semarang, Central Java, Indonesia. This conference provides a forum for researchers, academicians, professionals, and students from various engineering background and also from interdisciplinary research in the development and the design of Information Technology and Computer, Power System, Circuit and Control, and Communication Systems, as well as the interdisciplinary topics to disseminate the latest issues and research.

The ICITACEE 2016 is held in @Hom Hotel, Semarang, on October 19th – 21st. Three distinguished scholars will start the session as keynote speakers: Prof. Dr. Yanuarsyah Haroen as Power Electronic expert from Bandung Institute of Technology, Dr. Muhammad Nadzir Marsono as SoC FPGA Expert from Universiti Teknologi Malaysia (UTM), and Dr. Syed Abdurrahman as a DSP and Image Processing expert from Universiti Teknologi Malaysia (UTM). We are very grateful for them to share their knowledge, experience, and their motivation for always doing the best. We recently received more than 120 papers, however only of 91 high quality papers were accepted and being presented in this event. All the accepted and presented papers will be then published in the IEEE Xplore (ISBN 978-1-5090-0890-2). We will select the best papers of each categories mentioned above.

Organizing such an ambitious conference has always been incredibly challenging and would have been impossible to happen without our outstanding committee support. I would like to thanks all staff of Department of Electrical Engineering and Department of Computer Engineering as well as IEEE Student Branch of Diponegoro University. They have been working very hard and been always providing me with unprecedented support, advice, and kind assistance on all aspects of the conference. Special thank goes to the IEEE Indonesia Section for all support to ICITACEE 2016. I also would like to thank all of the Steering Committee, Technical Program Committee, Reviewers, Authors, Session Organizers, and Chairs, and other volunteers and participants. I expect that everyone is able to enjoy some of what Semarang City especially Simpang Lima (Five Cross) has to offer. Hopefully the ICITACEE 2016 conference would become the event of our best deeds.

Abdul Syakur

General Chair

2016 3rd International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE)

FOREWORD FROM DEAN OF FACULTY OF ENGINEERING DIPONEGORO UNIVERSITY, SEMARANG-INDONESIA

The 3rd International Conference on Information Technology, Computer, and Electrical Engineering 2016 (ICITACEE 2016) is now held again as annual conference organized by Electrical Engineering Department.

The aims of the conference are to obtain and to extend the knowledge of the recent issues, opinions, bright ideas about the development of a comprehensive “Green Technology, Electrical and Computer Engineering Implementation”. ICITACEE 2016 invites the scholars and encourages the researchers to submit high quality manuscripts and papers to this conference. It is also to share extensively and exchange of ideas, thoughts and discussions on all aspect of information technology, information systems, power systems, signal processing, electronics, micro-electronics, biomedical engineering, and communication systems as well as other field that corresponds, such as intelligent systems, intelligent transportation applications, health care applications, and environmental protection to facilitate the formation of networks among participants of the conference for improving the quality and benefits of the research.

It is a great pleasure to welcome all the participants of this conference in Semarang. I also would like to welcome several members from Diponegoro University, Kyushu University Japan, Technology University of Malaysia (UTM), Japan Advanced Institute of Science and Technology, Bandung Institute of Technology, Gadjah Mada University, Sepuluh Nopember Institute of Technology, Ahmad Dahlan University, CEA France, University of Dar Es Salaam Tanzania, Pusan National University South Korea, University Malaysia Sabah, Semarang State Polytechnics University, Soegijapranoto Catholic University, Sultan Agung Islamic University, California Polytechnic State University, USA and so on.

I do hope that this conference to be a valuable forum for engineers and scientists to share their precious researches and this event will give significant contributions to the development of Information Technology, Computer, and Electrical Engineering and it will raise the awareness of scientific community members in bringing better life.

I hope that the conference will be stimulating and memorable for you. So, enjoy your time in Semarang



Ir. M. Agung Wibowo, MM, MSc, PhD
Dean of Faculty of Engineering
Diponegoro University, Semarang-Indonesia

FOREWORD FROM CHIEF OF ELECTRICAL ENGINEERING DEPARTMENT DIPONEGORO UNIVERSITY, SEMARANG-INDONESIA

In the Name of Allah, the Most Gracious, Most Merciful.

All the praises and thanks to Allah.

Welcome all of the participants and keynote speakers to the International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE 2016) in Semarang. This is the third international conference held together by Electrical Engineering Department and Computer Engineering Department of Engineering Faculty, Universitas Diponegoro. I would like to appreciate the measureless work in this conference as a collaborative effort among Electrical Engineering Department, Computer Engineering Department, IEEE Student Branch of Universitas Diponegoro, and IEEE Indonesia Section. I would like to express my deep appreciation to Organizing Committee members, staffs, and students of Electrical Engineering and Computer Engineering Department for their effort and support. I would like to extend our appreciation to Rector of Universitas Diponegoro and Dean of Engineering Faculty.

I hope that this conference will be a prestige forum to communicate and sharing the findings, and precious researches among experts in field of computer engineering, information technology, and electrical engineering. We are extremely happy that this event will give contribution to global development of Computer Engineering, Information Technology, and Electrical Engineering.



Dr. Wahyudi, S.T., M.T.
Chief of Electrical Engineering Department
Engineering Faculty
Universitas Diponegoro, Semarang – Indonesia.



2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)

October 19th – 21st, 2016 at @HOM Hotel, Semarang, INDONESIA

ICITACEE 2016

Conference Technical Program Overview

A1. Electric & Power System (Wednesday: October 19th, 2016. 12:30-14:45) LEXICON

No	Paper ID	Title	Authors
1	EPS-01	Investigation of Temperature Rise Considering the Stator Parameters in a High-Speed Spindle Motor	Wawan Purwanto, Jerry Chih Tsong Su
2	EPS-02	Voltage Balancing Circuits for Five-Level Power Inverter With A Single DC Voltage Source	Suroso, Abdullah Nur Aziz
3	EPS-03	The Use of Neural Network (NN) to Predict Voltage Drop during Starting of Medium Voltage Induction Motor	Fidelis Galla Limbong
4	EPS-04	Research on Positive Narrow Bipolar Events in Padang	Ariadi Hazmi, Primas Emeraldi, M. Imran Hamid, Nobuyaki Takagi
5	EPS-05	Minimization of Cogging Torque Based on Different Shape of Anti Notch Method	Herlina, Rudy Setiabudy, Uno Bintang Sudibyo
6	EPS-06	Investigation the Influence of Variation Number and different width of Anti Notch to Cogging Torque Reduction	Rudy Setiabudy, Herlina
7	EPS-07	Voltage Drop Simulation at Southern Sulawesi Power System Considering Composite Load Model	Ardiaty Arief, Muhammad Bachtiar Nappu
8	EPS-08	Analytical Design of Sea Wave Energy Power Plant Using Tubular Linear PM Generator in Southern Coast of Yogyakarta, Indonesia	Budi Azhari, Fransisco Danang Wijaya, Dewangga Adhyaksa, Wassy Prawinnetou
9	EPS-09	Reduction on Cogging Torque in Dual Stator Radial Flux Permanent Magnet Generator for Low Speed Wind Turbine	Adeguna Ridlo Pramurti, Eka Firmansyah, Suharyanto

A2. Electric & Power System (Wednesday: October 19th, 2016. 15:15-17:30) LEXICON

No	Paper ID	Title	Authors
1	EPS-10	Network Losses Reduction Due To New Hydro Power Plant Integration	Muhammad Bachtiar Nappu, Muhammad Imran Bachtiar, Ardiaty Arief

No	Paper ID	Title	Authors
2	EPS-11	Electrical and Temperature Correlation to Monitor Fault Condition of ZnO Surge Arrester	Novizon and Zulkarnain Abdul-Malek
3	EPS-12	Discrimination of Particle-Initiated Defects in Gas-Insulated System Using C4.5 Algorithm	Firmansyah Nur Budiman, Elvira Sukma Wahyuni
4	EPS-13	Enhanced Fault Ride -Through Ability of DFIG-Based Wind Energy System Using Superconducting Fault Current Limiter	Chandan Kumar Sharma, Subhendu Sekhar Sahoo, Kalyan Chatterjee
5	EPS-14	Design of Photovoltaic BLDC Motor-Water Pump System with Single Converter	Slamet Riyadi
6	EPS-15	Integrated LC Resonant Converter and Silent Discharge Ozonizer for Colour Removal	Mochammad Facta, Hermawan, Zolkafle Buntat
7	EPS-17	A Prototype of Multistage Dynamic Braking of Three Phase Squirrel Cage Induction Motor	Tejo Sukmadi, Syauqie Candra Buana, Trias Andromeda, Mochammad Facta
8	EPS-18	Application of Dielectric Barrier Discharge Plasma for Reducing Chemical Oxygen Demand (COD) on Industrial Rubber Waste Treatment	Abdul Syakur, Badrus Zaman, Fauzan, Nur Jannah, Nurmaliakasih Dias Yunita

B1. Electronic Circuit & Control (Wednesday: October 19th, 2016. 12:30-14:45) OLIVETTI

No	Paper ID	Title	Authors
1	ECC-01	Human Tracking Application in a Certain Closed Area Using RFID Sensors and IP Camera	Daniel Patricko Hutabarat, Darma Patria, Santoso Budijono, Robby Saleh
2	ECC-02	Designing And Implementation Of Autonomous Quadrotor As Unmanned Aerial Vehicle	Felix Yustian Setiono, Anthony Candrasaputra, Tobias Bimo Prasetyo, Kho Lukas Budi Santoso
3	ECC-03	Multi Channel Electromyography (EMG) Signal Acquisition based Microcontroller	Florentinus Budi Setiawan, Siswanto
4	ECC-04	ECG Signal Processing using Offline-Wavelet Transform Method based on ECG-IoT Device	Amri Faizal, Muhammad Ilham R, and Arjon Turnip
5	ECC-06	Trans-impedance Amplifier (TIA) Design for Visible Light Communication (VLC) using Commercially Available OP-AMP	Syifaul Fuada, Angga Pratama, Trio Adiono, Yulian Aska



2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)

October 19th – 21st, 2016 at @HOM Hotel, Semarang, INDONESIA

No	Paper ID	Title	Authors
6	ECC-07	Robot Arm Controlled By Muscle Tension Based On Electromyography And PIC18f4550	Ricky Fajar Adiputra, Florentinus Budi Setiawan
7	ECC-08	A Low Cost Anthropomorphic Prosthetic hand Using DC Micro Metal Gear motor	Mochammad Ariyanto, Munadi, Gunawan D. Haryadi, Rifky Ismail, Jonny A. Pakpahan, and Khusnul A. Mustaqim
8	ECC-09	New watershed segmentation algorithm based on hybrid gradient and self-adaptive marker extraction	Li Yuan, Yu Qingsong, Shen Chaomin, Hu Wenxin
9	ECC-10	Variations on Load and Distance Controller for Ropeless Elevator with Fuzzy	Ainil Syafitri, Iwa Garniwa MK, Iwa Garniwa MK, I Made Ardita
10	ECC-11	Fuzzy-PID Simulations on Ropeless Elevator Performance	Ainil Syafitri, Iwa Garniwa MK, Ridwan Gunawan, I Made Ardita
11	ECC-12	A Simple Proportional plus PD Sign for Asymptotically Stable Robot Manipulators	Adha Cahyadi, Samiadji Herdjunto, Herianto
12	ECC-13	Arrival Time Field Based Path Planning Algorithm for Mobile Robot	Imaduddin A. Majid, Adha Imam Cahyadi, Igi Ardiyanto, and Muhammad Saifussalam

B2. Electronic Circuit & Control (Wednesday: October 19th, 2016. 15:15-17:30) OLIVETTI

No	Paper ID	Title	Authors
1	ECC-14	Design of Soft Contact Lens Indexer Inspection Semi Automatic	Didi Istarti, Kemas Syaiful
2	ECC-15	Yuarm: A Low Cost Android Platform for Vision Based Manipulators Control	Sisdarmanto Adinandra, Dani Erfawan
3	ECC-16	Development of Unmanned Aerial Vehicle (UAV) Ornithopter with Wireless Radio Control	Farika T Putri, Mochammad Ariyanto, Ismoyo Haryanto, Moh. Arozi, Wahyu Caesarendra, M. Rizki Ibrahim Hanan
4	ECC-17	Comparison Methods of Edge Detection for USG Images	M. Khairudin, Dessy Irmawati
5	ECC-18	Ultrasonic Signal Denoising Based on Wavelet Haar Decomposition Level	Herlinawati, Umi Murdika, Grienda Elan, Titin Yulianti



2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)

October 19th – 21st, 2016 at @HOM Hotel, Semarang, INDONESIA

No	Paper ID	Title	Authors
6	ECC-19	Sliding Mode Control for Therapeutic Pool Model Control System	Munadi, Henry Kristianto, Mochammad Ariyanto, Ismoyo Haryanto, Hari Peni Julianti
7	ECC-20	Experiment of Networked Control System (NCS) Using Network Emulator	Indra Sakti, Dicky Rianto Prajitno
8	ECC-21	Brainwave-Controlled Applications with the Emotiv EPOC Using Support Vector Machine	Kha Hoang Ha, Vo Anh Kha, Dinh Quoc Hung
9	ECC-22	Development of Hovercraft Prototype with Stability Control System using PID Controller	Munawar A Riyadi, Lazyo Rahmando, Aris Triwiyatno
10	ECC-23	Design of Color Based Object Sorting Through Arm Manipulator with Inverse Kinematics Method	Sumardi, Lanang Febriramadhan, Aris Triwiyatno
11	ECC-24	Designing Internal-External Control Method for Delta Robot Prototype to Manipulate Non-Linear Movement Object	Aris Triwiyatno, Muhammad Fikko Fadjrimiratno, Sumardi
12	ECC-25	Real Time Classification of SSVEP Brain Activity with Adaptive Feedforward Neural Networks	Arjon Turnip, M. Ilham Rizgyawan, Dwi Esti K, Jasman Pardede, Sandi Yanyoan, Edi Mulyana
13	ECC-28	Fuzzy-Mamdani Inference System in Predicting the Correlation Between Learning Method, Discipline and Motivation with Student's Achievement	Juningtyastuti, Fransiskus Allan Gunawan

C1. Information & Computer Technologies (Wednesday: October 19th, 2016. 12:30-14:45) OLYMPIA

No	Paper ID	Title	Authors
1	ICT-01	Calculation of Phantom Volume for Computed Tomography (CT) Scan Images	Kusworo Adi, Catur Edi Widodo, Aris Sugiharto, Qidir Maulana B. S., Adi Pamungkas
2	ICT-02	Design and Development of Android-based Cloud ECG Monitoring System	Muhammad Ilham Rizqyawan, M. Faizal Amri, Rian Putra Pratama, Arjon Turnip
3	ICT-03	Designing Framework for Software Reuse Maturity Improvement	Bagus Setyawan Wijaya, Yudi Satria Gondokaryono



2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)

October 19th – 21st, 2016 at @HOM Hotel, Semarang, INDONESIA

No	Paper ID	Title	Authors
4	ICT-04	Performance Evaluation of Teleprotection Using OpenDSS	Muhammad Kahlil Firdaus, Muhammad Hamdani Rizal, Muhammad Raid Mukhtar, Riri Fitri Sari
5	ICT-05	Design Architecture Enterprise Service Bus to Support Multi-Tenant Client and Resource Provider	Taufik Sulaeman Puspanegara, Albarda
6	ICT-06	Data Envelopment Analysis - Analytic Hierarchy Process Method for Performance Evaluation Study Program	Ali Wedo Sarjono, Farikhin Farikhin, Catur Edi Widodo
7	ICT-07	Eating for physical rather than emotional: A Bayesian Belief Network Approach for Android-Based Intuitive Eating Measurement	Anggita Dian Cahyani, Meiliana, Widodo Budiharto
8	ICT-08	Detection of the Beef Quality Using Mobile-Based K-Mean Clustering Method	Oky Dwi Nurhidayati, Kusworo Adi, Sri Pujiyanto
9	ICT-09	English – Indonesian Phrase Translation using Recurrent Neural Network and ADJ Technique	Wenty Octoviani, Muhammad Fachrurrozi, Novi Yusliani
10	ICT-10	IT Adoption Strategy to Promote Batik Micro-Scale Industry in Central Java, Indonesia Strengthening Universities Role In Batik Micro-Scale Industry	Rinta Kridalukmana, Naili Farida, Hari Susanta Nugraha
11	ICT-11	The Study of Theory of Planned Behavior of Building Automation System in Industrial Sector	Shu-Chiang Lin , Jacky Chin
12	ICT-12	A Literature Review of Question Answering System using Named Entity Recognition	Rini Wongso, Meiliana, Derwin Suhartono
13	ICT-13	The Benefit the Web 2.0 Technologies in Higher Education: Student's Perspectives	Yohana Dewi Lulu Widyasari, Lukito Edi Nugroho, Adhistya Erna Permanasari

C2. Information & Computer Technologies (Wednesday: October 19th, 2016. 15:15-17:30) OLYMPIA

No	Paper ID	Title	Authors
1	ICT-14	A New Image Watermarking Scheme Using Contourlet Transforms	Sy C. Nguyen, Kha H. Ha, Hoang M. Nguyen
2	ICT-15	Detection Plagiarism Documents On Indonesian Using Min-Hash And Synonym Recognition	Muhammad Badriansyah Putra



2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)

October 19th – 21st, 2016 at @HOM Hotel, Semarang, INDONESIA

No	Paper ID	Title	Authors
3	ICT-16	Nearest Recreational Location Searching Using Haversine Method	Zainal Arifin, Muhammad Ibrahim Rivani, Heliza Rahmania Hatta
4	ICT-17	Decision Support System For New Employee Recruitment Using Weighted Product Method	Dyna Marisa Khairina, Muhammad Reski Asrian , Heliza Rahmania Hatta
5	ICT-18	Ontology Model For Complementary Breastfeeding Recipes	Sari Widya Sihwi, Athiyah, Afrizal Doewes
6	ICT-19	Development of Conceptual Model in Understand The Role of Organizational Factor in KMS Acceptance	Hetty Rohayani, Setiawan Assegaff, Kurniabudi
7	ICT-20	Pattern Discovery of Indonesian Customers in an Online Shop: A Case of Fashion Online Shop	Rianto Rianto, Lukito Edi Nugroho, Paulus Insap Santosa
8	ICT-21	Traffic Sign Detection Based On HOG and PHOG Using Binary SVM And k-NN	Aris Sugiharto, Agus Harjoko
9	ICT-22	Utilization of Social Media in Livestock Product Marketing Group of Cattle	Kurniawan Teguh Martono, Cahya Setya Utama, Bambang Sulistiyanto, Merry Christiyanto
10	ICT-23	ST-DBSCAN Clustering Module in SpagoBI for Hotspots Distribution in Indonesia	Sarah Shanaz Shaztika , Rina Trisminingsih
11	ICT-24	CBE : Corpus Based of Emotion for Emotion Detection in Text Document	Fika Hastarita Rachman, Riyanarto Sarno, Chastine Fatichah
12	ICT-25	Evaluation of IT Governance to Support IT Operation Excellent Based on COBIT 4.1 at the PT Timah Tbk	Ibrahim Lammada, Lela Nurpulaela
13	ICT-26	Disclosing the Automation of Quality Assurance System of Higher Education (QAS-HE) in Indonesia Using DevOps Approach	Acep Taryana, Setiawan
14	ICT-27	Implementation of Honeypot to Detect and Prevent Distributed Denial of Service Attack	Irwan Sembiring



2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)

October 19th – 21st, 2016 at @HOM Hotel, Semarang, INDONESIA

C3. Information & Computer Technologies (Wednesday: October 19th, 2016. 15:15-17:30)

LETTERA

No	Paper ID	Title	Authors
1	ICT-28	Trends Information Technology in E-Agriculture : A Systematic Literature Review	Erick Fernando, Setiawan Assegaff, Hetty Rohayani AH
2	ICT-29	Parameter Optimization Of Brown's And Holt's Double Exponential Smoothing Using Golden Section Method For Predicting Indonesian Crude Oil Price (ICP)	Nurrahim Dwi Saputra , Abdul Aziz, Bambang Harjito
3	ICT-30	The Analysis of Instagram Technology Adoption as Marketing Tools by Small Medium Enterprise	Bobby Iswandi, Trianggoro Wiradinata
4	ICT-31	Commodity Cluster Using Single System Image Based on Linux/Kerrighed for High-Performance Computing	Iwan Setiawan, Eko Murdyantoro
5	ICT-32	Noise Removal on Batak Toba Handwritten Script using Artificial Neural Network	Novie Theresia Br Pasaribu and M. Jimmy Hasugian
6	ICT-33	Shooting Simulator System Design Based Augmented Reality	Kurniawan Teguh Martono, Oky Dwi Nurhayati
7	ICT-34	Optimizing MySQL Database System on Information Systems Research , publications and Community Service	Kodrat Iman Satoto, R. Rizal Isnanto, Rinta Kridalukmana , Kurniawan Teguh Martono,
8	ICT-35	Information Technology Audit For Management Evaluation Using COBIT and IT Security	Assaf Arief, Iis Hamsir Ayub Wahab
9	ICT-36	Performance Comparisons of Web Server Load Balancing Algorithms on HAProxy and Heartbeat	Agung B. Prasetijo, Eko D. Widiyanto and Ersya T. Hidayatullah
10	ICT-37	Performance Analysis of MAC Protocol for Resource Sharing D2D and M2M in Unlicensed Channel	Aghus Sofwan
11	ICT-38	Mobile Cloud Computing Security Using Cryptographic Hash Function Algorithm	Muhammad Arfan
12	ICT-39	On The Implementation of ZFS (Zettabyte File System) Storage System	Eko D. Widiyanto, Agung B. Prasetijo, and Ahmad Ghufroni

D1. Telecommunication & Radio Frequency (Wednesday: October 19th, 2016. 13:00-14:45) LETTERA

No	Paper ID	Title	Authors
1	TRF-01	Improving Accuracy In International Direct Dial (IDD) Call Fraud Suspect using Hybrid NBTree Algorithm and Kullback Leibler Divergence	Aries Yulianto, Adiwijaya, M. Arif Bijaksana
2	TRF-03	Implementation of Ultrasonic Communication for Wireless Body Area Network Using Amplitude Shift Keying Modulation	Muhammad Harry Bintang Pratama, Ajob Ajulian Zahra, Khusnil Mujib, Arif Munandar, Erizco Satya Wicaksono
3	TRF-04	Energy Efficiency Beamformers for K-User MIMO Interference Channels with Interference Alignment	Ha Hoang Kha, Tuan Do-Hong
4	TRF-05	Cyclic Prefix-based Noise Estimation with DVB-T Input for Spectrum Sensing in Cognitive Radio	Dzata Farahiyah, Trung Thanh Nguyen, Thomas Kaiser
5	TRF-06	Path Loss Model Estimation Based on Measurements of Off-Body and On-Body Communication Using Textile Antenna at 2.45 GHz	Basari, Novi Yohanna , Ria Aprilliyani, Rian Gilang Prabowo
6	TRF-07	Signal Analysis of GMSK Modulation-based CubeSat Automatic Identification System Receiver	Achmad Munir, Nazmi Febrian, Antrisha Daneraici Setiawan, Chairunnisa
7	TRF-08	Coupling Analysis of Isotropic and Anisotropic Dielectric Materials in Rectangular Waveguide	Muhammad Reza Hidayat, Achmad Munir
8	TRF-09	Effect of Element Number of SRR - based BPF to Its Characteristics	Mohammad Syahrul, Achmad Munir
9	TRF-10	Methods of MIMO Decoders for Very High Throughput WLAN IEEE802.11ac	Wahyul Amien Syafei, Zuhrotul Maulida, Imam Santoso
10	TRF-11	Pattern Recognition on Herbs Leaves Using Region-Based Invariants Feature Extraction	R Rizal Isnanto, Ajob Ajulian Zahra, Patricia Julietta

Institutional Sign In

Browse

My Settings

Get Help

Subscribe

Advertisement

Advertisement

Conferences > 2016 3rd International Confer...

Hydro, solar, and wind energy as potential electrical power plant in Indonesia — Past conditions and future prospects

Publisher: IEEE

1 Author(s)

Yanuarsyah Haroen

View All Authors

346 Full Text Views

Export to

Collabratec

Alerts

- Manage Content Alerts
- Add to Citation Alerts

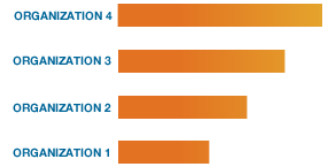
More Like This

Impacts of pumped storage power station on large-scale wind power integration into grid
 2011 4th International Conference on Electric Utility Deregulation and Restructuring and Power Technologies (DRPT)
 Published: 2011

A new unit commitment model considering wind power and pumped storage power station
 2014 IEEE Workshop on Electronics, Computer and Applications
 Published: 2014

View More

Top Organizations with Patents on Technologies Mentioned in This Article



Advertisement

Abstract

Document Sections

1. Synopsis

Authors

Keywords

Metrics

More Like This

Download PDF

Abstract: Medium reservoir hydro electric power plant has been long serving as conventional renewable energy source in Indonesia, mostly in Jawa Island. Shortly after the independence... [View more](#)

Metadata

Abstract: Medium reservoir hydro electric power plant has been long serving as conventional renewable energy source in Indonesia, mostly in Jawa Island. Shortly after the independence of Republic of Indonesia, large hydro power plants began to be constructed for example Jatiluhur and Riam Kanan, followed by Sigura-gura, Cirata, Saguling, and several others more. Meanwhile, small-sized and microhydro-run-of-river type hydro power plant has been developed since the early of 1970s through the joint corporation of ITB and Eindhoven University, this corporation developed turbine for microhydro and also dummy load for load regulation. Some local industries, for instance PT. Hexa Pratama in Bandung, which have capacity to develop complete microhydro power plant system up to 300kW have been emerged after successfully GTZ Programme back in the 1980s. Large hydro power plant is currently undergoing construction phase, it is expected that in 2019 Upper Cisokan pumped storage power plant with capacity of 1040 MW will be integrated with Jawa-Bali Interconnection System. Simple pico-hydro power plants are also constructed in several remote areas in Indonesia.

Published in: 2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)

IEEE websites place cookies on your device to give you the best user experience. By using our websites, you agree to the placement of these cookies. To learn more, read our Privacy Policy.

Accept & Close

Date of Conference: 19-20 Oct 2016 INSPEC Accession Number: 16794629
 Date Added to IEEE Xplore: 06 April 2017 DOI: 10.1109/ICITACEE.2016.7892398

ISBN Information:

Publisher: IEEE

Conference Location: Semarang, Indonesia

Advertisement

 **Contents**

Synopsis

Medium reservoir hydro electric power plant has been long serving as conventional renewable energy source in Indonesia, mostly in Jawa Island. Shortly after the independence of Republic of Indonesia, large hydro power plants began to be constructed for example Jatiluhur and Riam Kanan, followed by Sigura-gura, Cirata, Saguling, and several others more. Meanwhile small-sized and microhydro-run-of-river type hydro power plant has been developed since the early of 1970s through the joint corporation of ITB and Eindhoven University, this corporation developed turbine for microhydro power plant for load regulation. Some local industries, for instance PT. Hexa Pratama in Bandung, which have capacity to develop complete microhydro power plant system up to 300kW have been emerged after succesfully GTZ Programme back in the 1980s. Large hydro power plant is currently undergoing construction phase, it is expected that in 2019 Upper Cisokan pumped storage power plant with capacity of 1040 MW will be integrated with Jawa-Bali Interconnection System. Simple pico-hydro power plants are also constructed in several remote areas in Indonesia.

- Authors** ▼

- Keywords** ▼

- Metrics** ▼

IEEE Personal Account

CHANGE USERNAME/PASSWORD

Purchase Details

PAYMENT OPTIONS
VIEW PURCHASED DOCUMENTS

Profile Information

COMMUNICATIONS PREFERENCES
PROFESSION AND EDUCATION
TECHNICAL INTERESTS

Need Help?

US & CANADA: +1 800 678 4333
WORLDWIDE: +1 732 981 0060
CONTACT & SUPPORT

Follow



About IEEE *Xplore* | Contact Us | Help | Accessibility | Terms of Use | Nondiscrimination Policy | Sitemap | Privacy & Opting Out of Cookies
A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2019 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.

IEEE Account

» Change Username/Password
» Update Address

Purchase Details

» Payment Options
» Order History
» View Purchased Documents

Profile Information

» Communications Preferences
» Profession and Education
» Technical Interests

Need Help?

» **US & Canada:** +1 800 678 4333
» **Worldwide:** +1 732 981 0060
» Contact & Support

IEEE websites place cookies on your device to give you the best user experience. By using our websites,

you agree to the placement of these cookies. To learn more, read our Privacy Policy.

Accept & Close

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.
© Copyright 2019 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.

IEEE websites place cookies on your device to give you the best user experience. By using our websites, you agree to the placement of these cookies. To learn more, read our [Privacy Policy](#).

Accept & Close

Institutional Sign In

Browse

My Settings

Get Help

Subscribe

Advertisement

Advertisement

Conferences > 2016 3rd International Confer...

Low latency network-on-chip router using static straight allocator

Publisher: IEEE

4 Author(s)

Alireza Monemi ; Chia Yee Ooi ; Maurizio Palesi ; Muhammad Nadzir Mars...

View All Authors

3 Paper Citations

238 Full Text Views

Export to

Collabratec

Alerts

Manage Content Alerts

Add to Citation Alerts

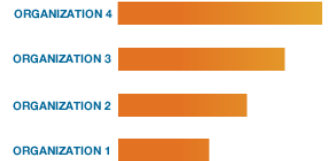
More Like This

HiWA: A hierarchical Wireless Network-on-Chip architecture
2014 International Conference on High Performance Computing & Simulation (HPCS)
Published: 2014

A configurable, programmable and software-defined network on chip
2014 IEEE Workshop on Advanced Research and Technology in Industry Applications (WARTIA)
Published: 2014

View More

Top Organizations with Patents on Technologies Mentioned in This Article



Advertisement

Abstract

Document Sections

- I. Introduction
- II. Related Works
- III. Static Straight Allocator
- IV. Router Architecture
- V. Experimental Results

Download PDF

Abstract: One clock cycle is the ideal latency for a network-on-chip (NoC) router to pass the received flit in the current cycle to its requested destination output port when there... [View more](#)

Metadata

Abstract: One clock cycle is the ideal latency for a network-on-chip (NoC) router to pass the received flit in the current cycle to its requested destination output port when there is no contention with other flits. In order to achieve this goal, a newly arrived flit is required to go through all router's pipeline stages to the switch traversal stage. In this paper, we present a low latency synchronized NoC router micro-architecture that achieves single clock cycle latency for packets traveling to the same direction using a static straight VC/SW allocator (SSA). In comparison to existing single clock cycle latency routers which require more complex VC/SW allocator or crossbar switch architectures, our proposed SSA has simpler architecture and works in parallel with the previously proposed baseline VC/SW allocator. The simulation results using six different synthetic traffic patterns shows SSA reduces the communication latency of a 2-cycle latency baseline router by 24% in average.

Published in: 2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)

Date of Conference: 19-20 Oct. 2016 **INSPEC Accession Number:** 16791855

Authors

Figures

References

Citations

Keywords

Metrics

IEEE websites place cookies on your device to enhance site navigation, analyze site usage, and assist in our marketing efforts. (By using our websites, you agree to the placement of these cookies. To learn more, read our Privacy Policy.)

Accept & Close

Conference Location: Semarang, Indonesia

Advertisement

Contents

I. Introduction

Network-on-Chip (NoC) [1] provides a flexible and extensible inter-core-communication infrastructure for many-core system-on-chips. However, due to multiple number of routers a packet has to traverse between a source and destination cores, as well as each individual router buffering, NoC-based systems can suffer from high inter-core communication

Sign In to Continue Reading

latency. Reducing NoC communication latency is important as many-core based applications are highly sensitive to inter-core communication latency. However, designing a low latency NoC router can be a challenge.

Authors	▼
Figures	▼
References	▼
Citations	▼
Keywords	▼
Metrics	▼
Footnotes	▼

IEEE Personal Account

CHANGE USERNAME/PASSWORD

Purchase Details

PAYMENT OPTIONS
VIEW PURCHASED DOCUMENTS

Profile Information

COMMUNICATIONS PREFERENCES
PROFESSION AND EDUCATION
TECHNICAL INTERESTS

Need Help?

US & CANADA: +1 800 678 4333
WORLDWIDE: +1 732 981 0060
CONTACT & SUPPORT

Follow



About IEEE Xplore | Contact Us | Help | Accessibility | Terms of Use | Nondiscrimination Policy | Sitemap | Privacy & Opting Out of Cookies

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2019 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.

IEEE Account

» Change Username/Password
» Update Address

Purchase Details

» Payment Options
» Order History
» View Purchased Documents

Profile Information

» Communications Preferences
» Profession and Education
» Technical Interests

Need Help?

» **US & Canada:** +1 800 678 4333
» **Worldwide:** +1 732 981 0060
» Contact & Support

About IEEE Xplore | Contact Us | Help | Accessibility | Terms of Use | Nondiscrimination Policy | Sitemap | Privacy & Opting Out of Cookies

IEEE websites place cookies on your device to give you the best user experience. By using our websites, you agree to the placement of these cookies. To learn more, read our Privacy Policy.

Accept & Close

Institutional Sign In

Browse

My Settings

Get Help

Subscribe

Advertisement

Advertisement

Conferences > 2016 3rd International Confer...

Smart video-based surveillance: Opportunities and challenges from image processing perspectives

Publisher: IEEE

1 Author(s)

Syed Abdurrahman

View All Authors

2 Paper Citations

236 Full Text Views

Export to

Collabratec

Alerts

- Manage Content Alerts
- Add to Citation Alerts

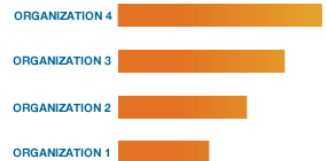
More Like This

An experimental evaluation of different face recognition algorithms using closed circuit television images
 2017 IEEE 2nd International Conference on Signal and Image Processing (ICSIP)
 Published: 2017

An Abandoned Object Detection System Based on Dual Background Segmentation
 2009 Sixth IEEE International Conference on Advanced Video and Signal Based Surveillance
 Published: 2009

View More

Top Organizations with Patents on Technologies Mentioned in This Article



Advertisement

Abstract

Authors

Citations

Keywords

Metrics

More Like This

Downl PDF

Abstract: Summary form only given. Traditionally CCTV security and surveillance systems are meant for deterrent rather than for prevention where these systems will simply record sc... **View more**

Metadata

Abstract: Summary form only given. Traditionally CCTV security and surveillance systems are meant for deterrent rather than for prevention where these systems will simply record scenes as viewed by video cameras regardless whether there is any activity or not. In the event of some criminal prosecution procedures, these recorded videos may be served as evidence in the court of law. The 9/11 incident has changed the way on how these video-based surveillance systems are being employed. More automated functions and "smart" algorithms have been incorporated into such systems so that these systems can detect moving object, identify to some degree what the object is and possibly tracking its movement. However, the problems of object identification, recognition, and tracking are far from being solved. The London bombing and the recently Boston bombing are proof that automatic system failed to identify the suspect. In fact, it took hundreds of man hours for the authority to finally identify the criminals. In this talk we will look at emerging smart vide-based surveillance systems. The talk will not focus on any particular model, or system or algorithms. Instead, the talk will concentrate on what are the opportunities and challenges faced by the existing systems. In particular, we will be exploring these from the perspective of image processing. Thus the talk will serve two purposes. Firstly, it will give a brief overview on what smart video-based

highlighting the challenges. To be specific, these areas of interest that will be covered by this talk will be on Face Recognition, Activity Recognition, Plate Recognition, Object Abandon/Stolen Recognition, and Crowd Detection. It is hoped that this talk will

IEEE websites place cookies on your device to give you the best user experience. By using our websites, you agree to the placement of these cookies. To learn more, read our Privacy Policy.

Accept & Close

motivate and inspire many other young researches particularly from the ASEAN region to take more serious effort in this exciting field.

Published in: 2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)

Date of Conference: 19-20 Oct. 2016 **INSPEC Accession Number:** 16791820

Date Added to IEEE Xplore: 06 April 2017 **DOI:** 10.1109/ICITACEE.2016.7892400

ISBN Information:

Publisher: IEEE

Conference Location: Semarang, Indonesia

Advertisement

Authors 

Citations 

Keywords 

Metrics 

IEEE Personal Account

CHANGE USERNAME/PASSWORD

Purchase Details

PAYMENT OPTIONS

VIEW PURCHASED DOCUMENTS

Profile Information

COMMUNICATIONS PREFERENCES

PROFESSION AND EDUCATION

TECHNICAL INTERESTS

Need Help?

US & CANADA: +1 800 678 4333

WORLDWIDE: +1 732 981 0060

CONTACT & SUPPORT

Follow



[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Accessibility](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [Sitemap](#) | [Privacy & Opting Out of Cookies](#)

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2019 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.

IEEE Account

» Change Username/Password

» Update Address

Purchase Details

» Payment Options

» Order History

» View Purchased Documents

Profile Information

» Communications Preferences

» Profession and Education

» Technical Interests

Need Help?

» **US & Canada:** +1 800 678 4333

» **Worldwide:** +1 732 981 0060

» Contact & Support

[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Accessibility](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [Sitemap](#) | [Privacy & Opting Out of Cookies](#)

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2019 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.

IEEE websites place cookies on your device to give you the best user experience. By using our websites, you agree to the placement of these cookies. To learn more, read our [Privacy Policy](#).

Accept & Close

CONFERENCE COMMITTEE

General Chair : Abdul Syakur (Universitas Diponegoro)
Co-Chair : R. Rizal Isnanto (Universitas Diponegoro)
Secretary : M. Arfan

Organizing Committee:

Trias Andromeda
Eko Didik Widiyanto
Teguh Prakoso
Achmad Hidayatno
Ajub Ajulian Zahra
Agung Budi P.
Aghus Sofwan
Yuli Christyono
Sukiswo
Dania Eridani
Rinta Kridalukmana

Steering Committee:

Hermawan (Diponegoro University)
Muhammad Nadzir Marsono (Universiti Teknologi Malaysia)
Riri Fitri Sari (Universitas Indonesia)
Yanuarsyah Haroen (Institut Teknologi Bandung)
Taufik (California Polytechnic State, USA)
Satriyo Dharmanto (IEEE Indonesia Section Chair)

Technical Program Committee:

Mochammad Facta (Diponegoro University, Indonesia)

Masayuki Kurosaki (Kyushu University, Japan)

Trio Adiono (Bandung Institute of Technology, Indonesia)

P. Insap Santosa (Gadjah Mada University, Indonesia)

Mauridhi Heri Purnomo (Sepuluh Nopember Institute of Technology, Indonesia)

Khoirul Anwar (Japan Advanced Institute of Science and Technology, Japan)

Wahyudi (Diponegoro University, Indonesia)

Wahyul Amien Syafei (Diponegoro University, Indonesia)

Munawar Agus Riyadi (Diponegoro University, Indonesia)

Sidiq Syamsul Hidayat (Semarang State Polytechnics, Indonesia)

Supari (Semarang University, Indonesia)

Slamet Riyadi (Soegijapranoto Catholic University, Indonesia)

M. Hadin (Sultan Agung Islamic University, Indonesia)

Onil Nazra Persada (CEA, France)

Zolkafle Buntat (Universiti Teknologi Malaysia)

Taufik (California Polytechnic State University, USA)

Hashim Uledi Iddi (University of Dar es Salaam, Tanzania)

Aris Triwiyatno (Diponegoro University, Indonesia)

Pandu Sandi Pratama (Pusan National University, South Korea)

Razali Ismail (Universiti Teknologi Malaysia, Malaysia)

Ismail Saad (University Malaysia Sabah, Malaysia)

Oky Dwi Nurhayati (Diponegoro University, Indonesia)

TABLE OF CONTENTS

Keynote Speakers

- 1 Hydro, Solar, and Wind Energy as Potential Electrical Power Plant in Indonesia - Past Conditions and Future Prospects
Yanuarsyah Haroen
- 2 Low Latency Network-on-Chip Router Using Static Straight Allocator
Alireza Monemi, Chia Yee Ooi, Maurizio Palesi, Muhammad Nadzir Marsono
- 10 Smart Video-Based Surveillance: Opportunities and Challenges from Image Processing Perspectives
Syed Abdurrahman

Electronic Circuit and Control

- 11 Human Tracking Application in a Certain Closed Area Using RFID Sensors and IP Camera
Daniel Patricko Hutabarat, Darma Patria, Santoso Budijono, Robby Saleh
- 17 Designing and Implementation of Autonomous Quadrotor as Unmanned Aerial Vehicle
Felix Yustian Setiono, Anthony Candrasaputra, Tobias Bimo Prasetyo, Kho Lukas Budi Santoso
- 21 Multi Channel Electromyography (EMG) Signal Acquisition using Microcontroller with Rectifier
Florentinus Budi Setiawan, S. Siswanto
- 25 ECG Signal Processing using Offline-Wavelet Transform Method based on ECG-IoT Device
M. Faizal Amri, Muhammad Ilham R, Arjon Turnip
- 31 Trans-impedance Amplifier (TIA) Design for Visible Light Communication (VLC) using Commercially Available OP-AMP
Syifaul Fuada, Angga Pratama Putra, Yulian Aska, Trio Adiono
- 37 Robot ARM Controlled by Muscle Tension Based on Electromyography and PIC18F4550
Ricky Fajar Adiputra, Florentinus Budi Setiawan
- 42 A Low Cost Anthropomorphic Prosthetic hand Using DC Micro Metal Gear motor
Mochammad Ariyanto, M. Munadi, Gunawan D. Haryadi, Rifky Ismail, Jonny A. Pakpahan, Khusnul A. Mustaqim
- 47 New Watershed Segmentation Algorithm based on Hybrid Gradient and Self-Adaptive Marker Extraction
Yuan Li, Yu Qingsong, Shen Chaomin, Hu Wenxin
- 52 Variations on Load and Distance Controller for Modern Elevator with Fuzzy
Ainil Syafitri, Iwa Garniwa MK, Ridwan Gunawan, I Made Ardita
- 56 Fuzzy-PID Simulations on Ropeless Elevator Performance
Ainil Syafitri, Iwa Garniwa MK, Ridwan Gunawan, I Made Ardita
- 60 A Simple Proportional plus PD Sign for Asymptotically Stable Robot Manipulators
Adha Imam Cahyadi, Samiadji Herdjunanto, H. Herianto
- 64 Arrival Time Field Based Path Planning Algorithm for Mobile Robot
Imaduddin A. Majid, Adha Imam Cahyadi, Igi Ardiyanto, Muhammad Saifussalam
- 68 Design of Soft Contact Lens Indexer Inspection Semi-Automatic
Didi Istardi, Kemas Syaiful
- 74 Yuarm: A Low Cost Android Platform for Vision Based Manipulators Control
Sisdarmanto Adinandra, Dany Erfawan
- 79 Development of Unmanned Aerial Vehicle (UAV) Ornithopter with Wireless Radio Control
Farika T. Putri, Mochammad Ariyanto, Ismoyo Haryanto, Moh. Arozi, Wahyu Caesarendra, M. Rizki Ibrahim Hanan
- 85 Comparison Methods of Edge Detection for USG Images
M. Khairudin, Dessy Irmawati

- 89 Ultrasonic Signal Denoising Based on Wavelet Haar Decomposition Level
H. Herlinawati, Umi Murdika, Grienda Elan, Titin Yulianti
- 95 Sliding Mode Control for Therapeutic Pool Model Control System
M. Munadi, Henry Kristianto, Mochammad Ariyanto, Ismoyo Haryanto, Hari Peni Julianti
- 100 Experiment of Networked Control System (NCS) Using Network Emulator
Indra Sakti, Dicky Rianto Prajitno
- 106 Brainwave-Controlled Applications with the Emotiv EPOC Using Support Vector Machine
Ha Hoang Kha, Vo Anh Kha, Dinh Quoc Hung
- 112 Development of Hovercraft Prototype with Stability Control System using PID Controller
Munawar A. Riyadi, Lazyo Rahmando, Aris Triwiyatno
- 117 Design of Color Based Object Sorting Through Arm Manipulator with Inverse Kinematics Method
S. Sumardi, Lanang Febriramadhan, Aris Triwiyatno
- 123 Designing Internal-External Control Method for Delta Robot Prototype to Manipulate Non-Linear Movement Object
Aris Triwiyatno, Muhammad Fikko Fadjrimiratno, S. Sumardi
- 129 Real Time Classification of SSVEP Brain Activity with Adaptive Feedforward Neural Networks
Arjon Turnip, M. Ilham Rizgyawan, Dwi Esti K., Jasman Pardede, Sandi Yanyoan, Edi Mulyana
- 134 Fuzzy-Mamdani Inference System in Predicting the Correlation Between Learning Method, Discipline and Motivation with Student's Achievement
J. Juningtyastuti, Fransiskus Allan Gunawan

Electric and Power System

- 140 Investigation of Temperature Rise Considering the Stator Parameters in a High-Speed Spindle Motor
Wawan Purwanto, Jerry Chih Tsong Su
- 147 Voltage Balancing Circuits for Five-Level Power Inverter With A Single DC Voltage Source
S. Suroso, Abdullah Nur Aziz
- 151 The Use of Neural Network (NN) to Predict Voltage Drop during Starting of Medium Voltage Induction Motor
Fidelis Galla Limbong
- 156 Research on Positive Narrow Bipolar Events in Padang
Ariadi Hazmi, Primas Emeraldi, M. Imran Hamid, Nobuyaki Takagi
- 160 Minimization of Cogging Torque Based on Different Shape of Anti-Notch Method
H. Herlina, Rudy Setiabudy, Uno Bintang Sudibyo
- 164 Investigation of the Influence of Variations in the Number and Width of Anti-Notch depending on Cogging Torque Reduction
Rudy Setiabudy, H. Herlina
- 168 Voltage Drop Simulation at Southern Sulawesi Power System Considering Composite Load Model
Ardiaty Arief, Muhammad Bachtiar Nappu
- 172 Analytical Design of Sea Wave Energy Power Plant Using Tubular Linear PM Generator in Southern Coast of Yogyakarta, Indonesia
Budi Azhari, Fransisco Danang Wijaya, Dewangga Adhyaksa, Wassy Prawinnetou
- 177 Reduction on Cogging Torque in Dual Stator Radial Flux Permanent Magnet Generator for Low Speed Wind Turbine
Adeguna Ridlo Pramurti, Eka Firmansyah, S. Suharyanto
- 181 Network Losses Reduction Due To New Hydro Power Plant Integration
Muhammad Bachtiar Nappu, Muhammad Imran Bachtiar, Ardiaty Arief
- 186 Electrical and Temperature Correlation to Monitor Fault Condition of ZnO Surge Arrester
N. Novizon, Zulkurnain Abdul-Malek
- 191 Discrimination of Particle-Initiated Defects in Gas-Insulated System Using C4.5 Algorithm
Firmansyah Nur Budiman, Elvira Sukma Wahyuni
- 197 Enhanced Fault Ride – Through Ability of DFIG-Based Wind Energy System Using Superconducting Fault Current Limiter
Chandan Kumar Sharma, Subhendu Sekhar Sahoo, Kalyan Chatterjee

- 202 Design of Photovoltaic BLDC Motor-Water Pump System with Single Converter
Slamet Riyadi
- 208 Integrated LC Resonant Converter and Silent Discharge Ozonizer for Colour Removal
Mochammad Facta, H. Hermawan, Zolkafle Buntat
- 213 A Prototype of Multistage Dynamic Braking of Three Phase Squirrel Cage Induction Motor
Tejo Sukmadi, Syauqie Candra Buana, Trias Andromeda, Mochammad Facta
- 216 Application of Dielectric Barrier Discharge Plasma for Reducing Chemical Oxygen Demand (COD) on Industrial Rubber Waste Treatment
Abdul Syakur, Badrus Zaman, F. Fauzan, Nur Jannah, Nurmaliakasih Dias Yunita

Information and Computer Technologies

- 220 Calculation of Phantom Volume for Computed Tomography (CT) Scan Images
Kusworo Adi, Catur Edi Widodo, Aris Sugiharto, Qidir Maulana B.S., Adi Pamungkas
- 224 Design and Development of Android-based Cloud ECG Monitoring System
Muhammad Ilham Rizqyawan, M. Faizal Amri, Rian Putra Pratama, Arjon Turnip
- 229 Designing Framework for Software Reuse Maturity Improvement
Bagus Setyawan Wijaya, Yudi Satria Gondokaryono
- 234 Performance Evaluation of Teleprotection using OpenDSS
M. Kahlil F., Muhammad Hamdani Rizal, Muhammad Raid Mukhtar, Riri Fitri Sari
- 239 Design Architecture Enterprise Service Bus to Support Multi-Tenant Client and Resource Provider
Taufik Sulaeman, A. Albarda
- 244 Data Envelopment Analysis - Analytic Hierarchy Process Method for Performance Evaluation Study Program
Ali Wedo Sarjono, F. Farikhin, Catur Edi Wibowo
- 249 Eating for physical rather than emotional: A Bayesian Belief Network Approach for Android- Based Intuitive Eating Measurement
Anggita Dian Cahyani, M. Meiliana, Widodo Budiharto
- 253 Detection of the Beef Quality Using Mobile-Based K-Mean Clustering Method
Okky Dwi Nurhayati, Kusworo Adi, Sri Pujiyanto
- 260 English – Indonesian Phrase Translation using Recurrent Neural Network and ADJ Technique
Wenty Octoviani, Muhammad Fachrurrozi, Novi Yusliani
- 264 IT Adoption Strategy to Promote Batik Micro-Scale Industry in Central Java, Indonesia
Rinta Kridalukmana, Naili Farida, Hari Susanta Nugraha
- 269 The Study of Theory of Planned Behavior of Building Automation System in Industrial Sector
Shu-Chiang Lin, Jacky Chin
- 274 A Literature Review of Question Answering System using Named Entity Recognition
Rini Wongso, M. Meiliana, Derwin Suhartono
- 278 The Benefit of the Web 2.0 Technologies in Higher Education: Student's Perspectives
Yohana Dewi Lulu Widyasari, Lukito Edi Nugroho, Adhistya Erna Permanasari
- 283 A New Image Watermarking Scheme Using Contourlet Transforms
Sy C. Nguyen, Kha H. Ha, Hoang M. Nguyen
- 289 Detection Plagiarism Documents on Indonesian using Min-Hash and Synonym Recognition
Muhammad Badriansyah Putra
- 293 Nearest Tourism Site Searching using Haversine Method
Zainal Arifin, Muhammad Rivani Ibrahim, Heliza Rahmania Hatta
- 297 Decision Support System For New Employee Recruitment Using Weighted Product Method
Dyna Marisa Khairina, Muhammad Reski Asrian, Heliza Rahmania Hatta
- 302 Ontology Model For Complementary Breastfeeding Recipes
Sari Widya Sihwi, A. Athiyah, Afrizal Doewes
- 308 Development of Conceptual Model in Understanding The Role of Organizational Factor in KMS Acceptance
Hetty Rohayani, Setiawan Assegaff, K. Kurniabudi

- 313 Pattern Discovery of Indonesian Customers in an Online Shop: A Case of Fashion Online Shop
R. Rianto, Lukito Edi Nugroho, P. Insap Santosa
- 317 Traffic Sign Detection Based On HOG and PHOG Using Binary SVM And k-NN
Aris Sugiharto, Agus Harjoko
- 322 Utilization of Social Media in Livestock Product Marketing Group of Cattle
Kurniawan Teguh Martono, Cahya Setya Utama, Bambang Sulistiyanto, Merry Christiyanto
- 327 ST-DBSCAN Clustering Module in SpagoBI for Hotspots Distribution in Indonesia
Sarah Shanaz Shaztika, Rina Trisminingsih
- 331 CBE : Corpus-Based of Emotion for Emotion Detection in Text Document
Fika Hastarita Rachman, Riyanarto Sarno, Chastine Fatichah
- 336 Evaluation of IT Governance to Support IT Operation Excellent Based on COBIT 4.1 at the PT Timah Tbk
I. Ibrahim, Lela Nurpulaela
- 340 Disclosing the Automation of Quality Assurance System of Higher Education (QAS-HE) in Indonesia Using DevOps Approach
Acep Taryana, S. Setiawan
- 345 Implementation of HoneyPot to Detect and Prevent Distributed Denial of Service Attack
Irwan Sembiring
- 351 Trends Information Technology in E-Agriculture: A Systematic Literature Review
Erick Fernando, Setiawan Assegaff, Hetty Rohayani AH
- 356 Parameter Optimization of Brown's and Holt's Double Exponential Smoothing Using Golden Section Method for Predicting Indonesian Crude Oil Price (ICP)
Nurrahim Dwi Saputra, Abdul Aziz, Bambang Harjito
- 361 The Analysis of Instagram Technology Adoption as Marketing Tools by Small Medium Enterprise
Trianggoro Wiradinata, Bobby Iswandi
- 367 Commodity Cluster Using Single System Image Based on Linux/Kerrighed for High-Performance Computing
Iwan Setiawan, Eko Murdyantoro
- 373 Noise Removal on Batak Toba Handwritten Script using Artificial Neural Network
Novie Theresia Br Pasaribu, M. Jimmy Hasugian
- 377 Shooting Simulator System Design Based on Augmented Reality
Kurniawan Teguh Martono, Oky Dwi Nurhayati
- 383 Optimizing MySQL Database System on Information Systems Research, Publications and Community Service
Kodrat Iman Satoto, R. Rizal Isnanto, Rinta Kridalukmana, Kurniawan Teguh Martono
- 388 Information Technology Audit For Management Evaluation Using COBIT and IT Security
Assaf Arief, Iis Hamsir Ayub Wahab
- 393 Performance Comparisons of Web Server Load Balancing Algorithms on HAProxy and Heartbeat
Agung B. Prasetijo, Eko D. Widiyanto, Ersya T. Hidayatullah
- 397 Performance Analysis of MAC Protocol for Resource Sharing D2D and M2M in Unlicensed Channel
Aghus Sofwan
- 403 Mobile Cloud Computing Security Using Cryptographic Hash Function Algorithm
M. Arfan
- 408 On The Implementation of ZFS (Zettabyte File System) Storage System
Eko D. Widiyanto, Agung B. Prasetijo, Ahmad Ghufroni

Telecommunication and Radio Frequency

- 414 Improving Accuracy In International Direct Dial (IDD) Call Fraud Suspect using Hybrid NBTree Algorithm and Kullback Leibler Divergence
Aries Yulianto, A. Adiwijaya, M. Arif Bijaksana

- 421 Implementation of Ultrasonic Communication for Wireless Body Area Network Using Amplitude Shift Keying Modulation
Muhammad Harry Bintang Pratama, Khusnil Mujib, Ajub Ajulian Zahra, Arif Munandar, Erizco Satya Wicaksono
- 425 Energy Efficiency Beamformers for K-User MIMO Interference Channels with Interference Alignment
Ha Hoang Kha, Tuan Do-Hong
- 429 Cyclic Prefix-based Noise Estimation with DVB-T Input for Spectrum Sensing in Cognitive Radio
Dzata Farahiyah, Trung Thanh Nguyen, Thomas Kaiser
- 434 Path Loss Model Estimation Based on Measurements of Off-Body and On-Body Communication Using Textile Antenna at 2.45 GHz
B. Basari, Novi Yohanna, Ria Aprilliyani, Rian Gilang Prabowo
- 439 Signal Analysis of GMSK Modulation-based CubeSat Automatic Identification System Receiver
Achmad Munir, Nazmi Febrian, Antrisha Daneraici Setiawan, C. Chairunnisa
- 443 Coupling Analysis of Isotropic and Anisotropic Dielectric Materials in Rectangular Waveguide
Muhammad Reza Hidayat, Achmad Munir
- 447 Effect of Element Number of SRR-based BPF to Its Characteristics
Mohammad Syahral, Achmad Munir
- 451 Methods of MIMO Decoders for Very High Throughput WLAN IEEE802.11ac
Wahyul Amien Syafei, Zuhrotul Maulida, Imam Santoso
- 455 Pattern Recognition on Herbs Leaves Using Region-Based Invariants Feature Extraction
R. Rizal Isnanto, Ajub Ajulian Zahra, Patricia Julietta



Certificate

This is to certify that
Aris Triwiyatno

has contributed as
Presenter

in The 3rd International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE) 2016
at Hotel @HOM Semarang Indonesia, October, 19-21th 2016



Ir. M. Agung Wibowo, MM, MSc, PhD.
Dean of the Faculty of Engineering Diponegoro University



Dr. Abdul Syakur, ST, MT.
General Chair ICITACEE 2016