

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

Judul Karya Ilmiah : Ticketing Chatbot Service using Serverless NLP Technology  
 Jumlah Penulis : 6 orang  
 Status Pengusul : Penulis Pendamping  
 Identitas Prosiding : a. Judul Prosiding : **5th International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE) 2018**  
 b. ISBN/ISSN : 978-1-5386-5529-0, Hal : 325 - 330  
 c. Thn Terbit, Tempat Pelaks. : Semarang  
 d. Penerbit/Organiser : Proceeding Proceeding ICITACEE 2018 Terindek Scopus  
 e. Alamat Repository/Web : Url artikel : DOI: 10.1109/ICITACEE.2018.8576921  
 Alamat Artikel :  
 f. Terindeks di (jika ada) : <https://www.scopus.com/record/display.uri?eid=2-s2.0-85060447494&origin=resultslist&sort=plf-f&src=s&sid=1dd0d38105318d90ebc368ffc4410119&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855510072000%29&relpos=2&citeCnt=0&searchTerm=>

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%)	7,50	7,00	7,25
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	7,00	7,00	7,00
d. Kelengkapan unsur dan kualitas terbitan/prosiding(30%)	7,00	7,00	7,00
<b>Total = (100%)</b>	<b>24,00</b>	<b>23,50</b>	<b>23,75</b>

Semarang,

Reviewer 2

Reviewer 1

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

Dr. Eng. Wahyul Amien Syafei, ST, MT  
 NIP. 197112181995121001  
 Unit Kerja : Teknik Elektro FT UNDIP

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

Judul Karya Ilmiah : Ticketing Chatbot Service using Serverless NLP Technology  
 Jumlah Penulis : 6 orang  
 Status Pengusul : Penulis Pendamping  
 Identitas Prosiding : a. Judul Prosiding : **5th International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE) 2018**  
 b. ISBN/ISSN : 978-1-5386-5529-0, Hal : 325 - 330  
 c. Thn Terbit, Tempat Pelaks. : Semarang  
 d. Penerbit/Organiser : Proceeding ICITACEE 2018 Terindeks Scopus  
 e. Alamat Repository/Web : Url artikel : DOI: 10.1109/ICITACEE.2018.8576921  
 Alamat Artikel :  
 f. Terindeks di (jika ada) : <https://www.scopus.com/record/display.uri?eid=2-s2.0-85060447494&origin=resultslist&sort=plf-f&src=s&sid=1dd0d38105318d90ebc368ffc4410119&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855510072000%29&relpos=2&citeCnt=0&searchTerm=>

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		7,00
d. Kelengkapan unsur dan kualitas terbitan/prosiding(30%)	7,50		7,50
<b>Total = (100%)</b>	<b>25,00</b>		<b>24,00</b>

**Catatan Penilaian Paper oleh Reviewer :**

- Kesesuaian dan kelengkapan unsur isi paper:** Makalah ditulis sesuai dengan petunjuk IEEE conference. Terdapat abstract, introduction, methodology, testing and results, dan conclusion, serta references.
- Ruang lingkup dan kedalaman pembahasan:** Ruang lingkup makalah cukup fokus dengan pembahasan detail dari teori serverless hingga implementasi perangkat lunak
- Kecukupan dan kemutakhiran data/informasi dan metodologi:** Referensi yang digunakan cukup mutakhir, terdapat 50% referensi berasal dari 5 tahun terakhir.
- Kelengkapan unsur dan kualitas terbitan:** Makalah telah terbit di proceeding dan terindeks di database IEEEExplore dan Scopus.

Semarang,  
 Reviewer 1



Dr. Eng. Wahyul Amien Syafei, ST, MT  
 NIP. 197112181995121001  
 Unit Kerja : Teknik Elektro FT UNDIP

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

Judul Karya Ilmiah : Ticketing Chatbot Service using Serverless NLP Technology  
 Jumlah Penulis : 6 orang  
 Status Pengusul : Penulis Pendamping  
 Identitas Prosiding : a. Judul Prosiding : **5th International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE) 2018**  
 b. ISBN/ISSN : 978-1-5386-5529-0, Hal : 325 - 330  
 c. Thn Terbit, Tempat Pelaks. : Semarang  
 d. Penerbit/Organiser : Proceeding Proceeding ICITACEE 2018 Terindek Scopus  
 e. Alamat Repository/Web : Url artikel : DOI: 10.1109/ICITACEE.2018.8576921  
 Alamat Artikel :  
 f. Terindeks di (jika ada) : <https://www.scopus.com/record/display.uri?eid=2-s2.0-85060447494&origin=resultslist&sort=plf-f&src=s&sid=1dd0d38105318d90ebc368ffc4410119&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855510072000%29&relpos=2&citeCnt=0&searchTerm=>

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		7,00
d. Kelengkapan unsur dan kualitas terbitan/prosiding(30%)	7,50		7,00
<b>Total = (100%)</b>	<b>25,00</b>		<b>23,50</b>

**Catatan Penilaian Paper oleh Reviewer :**

- a) **Kesesuaian dan kelengkapan unsur isi paper:** Unsur makalah lengkap: pendahuluan, metodologi, pembahasan, kesimpulan dan daftar pustaka ada semua
- b) **Ruang lingkup dan kedalaman pembahasan:**Kedalaman cukup namun ada data tidak runut seperti tabel 3 dan tabel 2, pembahasan minimum
- c) **Kecukupan dan kemutakhiran data/informasi dan metodologi:** daftar referensi yang cukup baru. Metodologi sudah banyak digunakan.
- d) **Kelengkapan unsur dan kualitas terbitan:**Meskipun makalah sudah terindeks, namun ada penulisan Bahasa Indonesia (tabel 2), ada tabel yang tidak dibahas di bagian kesimpulan.

Semarang,  
Reviewer 2

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

# Document details

< Back to results | < Previous 3 of 15 Next >

Export Download Print E-mail Save to PDF Add to List More... >

View at Publisher

Proceedings - 2018 5th International Conference on Information Technology, Computer and Electrical Engineering, ICITACEE 2018  
13 December 2018, Article number 8576921, Pages 325-330  
5th International Conference on Information Technology, Computer and Electrical Engineering, ICITACEE 2018; Semarang; Indonesia; 26 September 2018 through 28 September 2018; Category numberCFP1889Z-PRT; Code 143726

## Ticketing Chatbot Service using Serverless NLP Technology (Conference Paper)

Handoyo, E. ✉, Arfan, M. ✉, Soetrisno, Y.A.A. ✉, Somantri, M. ✉, Sofwan, A. ✉, Sinuraya, E.W. ✉  
Department of Electrical Engineering, Diponegoro University, Semarang, Indonesia

### Abstract

View references (12)

Personal assistant using a human operator need some time to process single request such as ticket booking, ordering something, and get services. One request can contain many queries for some information provided on the internet. Business performance values time efficiency so must be considered an alternative way to take request. Chatbot can give 24 hours service which can become an advantage besides using a human personal assistant. Chatbot acts like routing agent that can classify user context in conversation. Chatbot helped with natural language processing (NLP) to analyze the request and extract some keyword information. One important process in NLP is morphological analysis and part of speech (POS) tagging. POS help to parse the meaning of chat text based on a set of rules. The rule base is specific to some language and designed to capture all the keyword relies on chat text. Keyword in booking conversation term is like departure and destination city and also the date of flight. There is a variation from a user determining city and date. NLP in booking confirmation has a task to analyze various pattern describing ordering requests like city and date. Messenger bot would be an example of assistance that can help user connected to many services some like ticketing service through conversation interaction. The contribution of this research is to conduct some scenario that happening in ordering tickets. This research conduct that chatbot can help acts as customer service, based on the conducted scenario and show an F-measure score of 89.65% © 2018 IEEE.

### SciVal Topic Prominence ⓘ

Topic: Agents | Students | conversational agent

Prominence percentile: 58.770 ⓘ

### Author keywords

chatbot conversation intent interaction NLP routing agent

### Indexed keywords

Engineering controlled terms: Computer science Computers Electrical engineering Mathematical techniques

Engineering uncontrolled terms: Chatbot conversation intent interaction Routing agent

Engineering main heading: Natural language processing systems

### Metrics ⓘ

0 Citations in Scopus

0 Field-Weighted Citation Impact



### PlumX Metrics

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

### Cited by 0 documents

Inform me when this document is cited in Scopus:

Set citation alert >

Set citation feed >

### Related documents

Communicating and transacting with chatbots: Insights from public transport

Zumstein, D. , Hundertmark, S. (2017) Proceedings of the International Conference on WWW/Internet 2017 and Applied Computing 2017

5G Performance Testing of Mobile Chatbot Applications

Koumaras, V. , Foteas, A. , Foteas, A. (2018) IEEE International Workshop on Computer Aided Modeling and Design of Communication Links and Networks, CAMAD

The Use of Voice Input to Induce Human Communication with Banking Chatbots

Kim, S. , Goh, J. , Jun, S. (2018) ACM/IEEE International Conference on Human-Robot Interaction



View all related documents based on references

ISBN: 978-153865527-6  
Source Type: Conference Proceeding  
Original language: English

DOI: 10.1109/ICITACEE.2018.8576921  
Document Type: Conference Paper  
Volume Editors: Facta M., Riyadi M.A., Arfan M., Widiyanto E.D.  
Publisher: Institute of Electrical and Electronics Engineers Inc.

## References (12)

[View in search results format >](#)

All | [Export](#)  [Print](#)  [E-mail](#) [Save to PDF](#) [Create bibliography](#)

- 
- 1 John, D.  
Survey on chatbot design techniques in speech conversation systems  
(2015) *Int. J. Adv. Comput. Sci. Appl*, 6 (7). Cited 45 times.
- 
- 2 Akhsan, A.A., Faizah, F.  
Analisis dan perancangan interaksi chatbot reminder dengan user-centered design  
(2017) *J. Sist. Inf*, 13 (2), p. 78.  
Oct
- 
- 3 Behera, B.  
Chappie - A semi-automatic intelligent chatbot  
(2016) *Write-Up*
- 
- 4 Yan, M., Castro, P., Cheng, P., Ishakian, V.  
(2016) *Building A Chatbot with Serverless Computing*, pp. 1-4.
- 
- 5 Lieberman, H., Mason, C.  
*Intelligent Agent Software for Medicine*, p. 16.
- 
- 6 Rahman, A.M., Al Mamun, A., Islam, A.  
Programming challenges of chatbot: Current and future prospective  
  
(2018) *5th IEEE Region 10 Humanitarian Technology Conference 2017, R10-HTC 2017*, 2018-January, pp. 75-78. Cited 4 times.  
ISBN: 978-153862175-2  
doi: 10.1109/R10-HTC.2017.8288910  
  
[View at Publisher](#)
- 
- 7 Schwichtenberg, S., Engels, G.  
Automatized derivation of comprehensive specifications for black-box services  
  
(2016) *Proceedings - International Conference on Software Engineering*, pp. 815-818. Cited 3 times.  
ISBN: 978-145034161-5; 978-145034205-6  
doi: 10.1145/2889160.2889271  
  
[View at Publisher](#)
-

□ 8 Oleh, D.  
*STUDI KASUS HDKREASI*, p. 121.

□ 9 Jia, J.  
CSIEC: A computer assisted English learning chatbot based on textual knowledge and reasoning

(2009) *Knowledge-Based Systems*, 22 (4), pp. 249-255. Cited 33 times.  
doi: 10.1016/j.knosys.2008.09.001

[View at Publisher](#)

□ 10 Jia, J.  
(2002) *The Study of the Application of A Keywordsbased Chatbot System on the Teaching of Foreign Languages*, p. 11. Cited 7 times.

□ 11 Selvam, M., Natarajan, A.M.  
(2009) *Improvement of Rule Based Morphological Analysis and POS Tagging in Tamil Language Via Projection and Induction Techniques*, 3 (4), p. 11.

□ 12 Domarco, D., Iswari, N.M.S.  
Rancang bangun aplikasi chatbot sebagai media pencarian informasi anime menggunakan regular expression pattern matching  
(2017) *ULTIMATICS*, 9 (1), pp. 19-24.

© Copyright 2019 Elsevier B.V., All rights reserved.

[< Back to results](#) | [< Previous](#) 3 of 15 [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 © 2019 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 Group™

# ICITACEE 2018



PROCEEDINGS

GREEN TECHNOLOGY AND SMART ENVIRONMENT  
**FOR A CONNECTED WORLD**

## Conference Committee

**General Chair** : Aghus Sofwan (Universitas Diponegoro)  
**Co-Chair** : Kurniawan Teguh Martono (Universitas Diponegoro)  
**Secretary** : M. Arfan

### **Organizing Committee:**

Abdul Syakur  
Munawar Agus Riyadi  
Trias Andromeda  
Iwan Setiawan  
Achmad Hidayatno  
Ajub Ajulian Zahra  
Munawar Agus Riyadi  
Yosua Alvin Sutrisno  
Eko Handoyo  
Sukiswo  
Yuli Christyono

### **Steering Committee:**

Hermawan (Diponegoro University)  
Mauridhi Hery Purnomo (Institut Teknologi Sepuluh Nopember)  
Fitri Yuli Zulkifli (Universitas Indonesia)  
Razali Ngah (Universiti Teknologi Malaysia)

### **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)  
Taufik (California Polytechnic State University, USA)  
Aris Triwiyatno (Diponegoro University, Indonesia)  
Pandu Sandi Pratama (Pusan National University, South Korea)  
Okky Dwi Nurhayati (Diponegoro University, Indonesia)

**Reviewer:**

Aghus Sofwan (Diponegoro University, Indonesia)  
Mohd Helmy Abd Wahab (Universiti Tun Hussein Onn Malaysia, Malaysia)  
Muhammad Anshari (Universiti Brunei Darussalam, Brunei Darussalam)  
Dian Sawitri (UDINUS, Indonesia)  
Trias Andromeda (Universitas Diponegoro, Indonesia)  
Iwan Setiawan (Universitas Diponegoro, Indonesia)  
Ali Samoud (Science, Tunisia)  
Okky Nurhayati (Diponegoro University, Indonesia)  
Elin Cahyaningsih (University of Indonesia, Indonesia)  
Norshita Mat Nayan (National University of Malaysia, Malaysia)  
Agung Prasetijo (Universitas Diponegoro, Indonesia)  
Nazrulazhar Bahaman (Universiti Teknikal Malaysia Melaka, Malaysia)  
Teguh Prakoso (Diponegoro University, Indonesia)  
Tsuyoshi Usagawa (Kumamoto University, Japan)  
Florentinus Setiawan (Soegijapranata Catholic University, Indonesia)  
I Nyoman Wahyu Satiawan (Mataram University - West Nusa Tenggara, Indonesia)  
Suharyanto (Gadjah Mada University, Indonesia)  
Eko Sedyono (Satyawacana Christian University, Indonesia)  
Mochammad Facta (Diponegoro University, Indonesia)  
Abdul Syakur (Diponegoro University, Indonesia)  
Mauridhi Purnomo (Institut of Technology Sepuluh Nopember, Indonesia)  
Ardyono Priyadi (ITS, Indonesia)  
Muhammad Rivai (Institut Teknologi Sepuluh Nopember, Indonesia)  
Hanung Adi Nugroho (Universitas Gadjah Mada, Indonesia)  
Achmad Hidayatno (Diponegoro University, Indonesia)  
Muhamad Iqbal (Universitas Mataram, Indonesia)  
Arman Jaya (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia)  
Munawar Riyadi (Diponegoro University, Indonesia)

Imam Santoso (University of Diponegoro, Indonesia)  
Irrine Sulistiawati (Institut Teknologi Sepuluh Nopember Surabaya Indonesia, Indonesia)  
I. Sukajaya (Universitas Pendidikan Ganesha, Singaraja, Indonesia)  
Eko Setijadi (Institut Teknologi Sepuluh Nopember, Indonesia)  
Gunawan Wibisono (University of Indonesia, Indonesia)  
Aris Triwiyatno (Diponegoro University, Indonesia)  
R Rizal Isnanto (Diponegoro University, Indonesia)  
Fakhriy Hario (Brawijaya University, Indonesia)  
Darlis Herumurti (Institut Teknologi Sepuluh Nopember, Indonesia)  
Siti Sendari (Universitas Negeri Malang, Indonesia)  
Widyawardana Adiprawita (Institut Teknologi Bandung, Indonesia)  
Triwahju Hardianto (University of Jember, Indonesia)  
Dwiana Hendrawati (Institut Teknologi Sepuluh Nopember, Indonesia)  
Harishchandra Dubey (University of Texas at Dallas, USA)  
Azmi Saleh (Jember University, Indonesia)  
Fajar Hardoyono (Universitas Gadjah Mada, Indonesia)  
Siti Rochimah (Institut Teknologi Sepuluh Nopember, Indonesia)  
Herman Tolle (Universitas Brawijaya, Indonesia)  
Zulfatman Has (University of Muhammadiyah Malang, Indonesia)  
Dhany Arifianto (Institut Teknologi Sepuluh Nopember, Indonesia)  
Ruri Basuki (University of Dian Nuswantoro, Indonesia)  
Saiful Bukhori (Universitas Jember, Indonesia)  
Prapto Nugroho (Universitas Gadjah Mada, Indonesia)  
Arif Muntasa (Trunojoyo University, Indonesia)  
Hermawan (Diponegoro University, Indonesia)  
I Gede Pasek Suta Wijaya (Mataram University, Indonesia)  
Indrazno Siradjuddin (State Polytechnic of Malang, Indonesia)  
Slamet Riyadi (Soegijapranata Catholic University, Indonesia)  
Haniza Nahar (Universiti Teknikal Malaysia, Malaysia)  
Lie Jasa (Udayana University, Indonesia)  
Arbai Yusuf (Universitas Indonesia, Indonesia)  
Imamul Muttakin (CTECH Labs Edwar Technology Co., Indonesia)  
Haikal Satria (Universiti Teknologi Malaysia, Malaysia)  
Susatyo Handoko (Universitas Diponegoro, Indonesia)  
Lukito Nugroho (Universitas Gadjah Mada, Indonesia)  
M Arfan (Diponegoro University, Indonesia)  
Prima Kristalina (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)  
Paulus Insap Santosa (Universitas Gadjah Mada, Indonesia)  
Rosa Asmara (Politeknik Negeri Malang, Indonesia)  
Sigit Wibowo (Gadjah Mada University, Indonesia)  
Arief Setyanto (Universitas AMIKOM Yogyakarta, Indonesia)  
Danang Wijaya (UGM, Indonesia)  
Kartiko Nugroho (Universiti Teknologi Malaysia, Malaysia)  
Rizal Munadi (Syiah Kuala University, Indonesia)  
Hindarto (University Muhammadiyah Of Sidoarjo, Indonesia)  
Noor Ahmad Setiawan (UGM, Indonesia)  
Achmad Basuki (Politeknik Elektronika Negeri Surabaya, Indonesia)  
Hadha Afrisal (Universitas Diponegoro, Indonesia)  
Wahyul Syafei (Diponegoro University, Semarang, Indonesia)

Eko Handoyo (Diponegoro University, Indonesia)  
Endra Joelianto (Institut Teknologi Bandung, Indonesia)  
Heri Suryoatmojo (Institut Teknologi Sepuluh Nopember, Indonesia)  
I Gede Puja Astawa (Politeknik Elektronika Negeri Surabaya, Indonesia)  
Julianto Lemantara (Institut Bisnis dan Informatika Stikom Surabaya, Indonesia)  
Soni Gumilang (Telkom University, Indonesia)  
Simon Siregar (Telkom University, Indonesia)  
Budi Setiyanto (Universitas Gadjah Mada, Indonesia)  
Fahmi (University of Sumatera Utara, Indonesia)  
Riyanarto Sarno (Institut Teknologi Sepuluh Nopember, Indonesia)  
Zainal Arif (Politeknik Elektronika Negeri Surabaya, Indonesia)  
Kurniawan Martono (Diponegoro University, Indonesia)  
Achmad Hidayanto (University of Indonesia, Indonesia)  
Wahyudi (Departemen Teknik Elektro UNDIP, Indonesia)  
Yoanes Bandung (Institut Teknologi Bandung, Indonesia)  
Suryono (Diponegoro University, Indonesia)



# ICITACEE 2019

International Conference on Information Technology, Computer and Electrical Engineering

[HOME](#) [ABOUT](#) [LOG IN](#) [ACCOUNT](#) [SEARCH](#) [CURRENT CONFERENCES](#) [ARCHIVE](#)  
[ANNOUNCEMENTS](#) [TOPICS AND SCOPES](#) [AUTHOR GUIDELINES & SUBMISSION](#) [CFP](#)

Home > International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE) > **The 2018 5th International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE)**

## The 2018 5th International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE)

HOTEL SANTIKA PREMIERE, SEMARANG - INDONESIA

September 26, 2018 – September 28, 2018

The conference entitled "The 2018 5<sup>th</sup> International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE 2018)" provides a forum for researchers, academicians, professionals, and students from various engineering fields and with cross-disciplinary working or interested in the development and design of information technology, computer system, and electrical engineering to interact and disseminate the latest issues and researches. It also offers opportunity to enjoy the heritage and the beauty of Semarang.

ICITACEE is an annual conference organized between Electrical Engineering Department and Computer Engineering Department and in 2018 this conference will be organized by Electrical Engineering Department.

The theme of ICITACEE 2018 is "Green Technology and Smart Environment for a Connected World". The conference covers the topics but not limited to 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. ICITACEE 2018 invites the scholars and encourages the researchers to submit high quality manuscripts and papers to this conference.

The papers accepted and presented will be forwarding for consideration to be published in the IEEE Xplore Digital Library.

### The scope of ICITACEE 2018 submission are:

#### Power Systems

Power Generation, Power Distribution, Power Conversion, Protection Systems, Electric Motor and Drives, Power Electronics, High Voltage, Insulation Technology, Lightning Phenomenon.

#### Telecommunications and Vehicular Technologies

Network Protocol and Management, Meta Material, Telecommunication System, Wireless and Mobile Communication, Sensor Networks, Sensor Fusion, Power Efficient Telecommunication Systems, Wireless Ad-hoc and Sensor Networks, Cognitive Radio, Cooperative Communications, Radio Resource Management and Optimization, Vehicular Communication Systems, Information Theory and Coding Systems, Machine-to-Machine (M2M) Communications.

#### Control and Circuits

Digital Signal Processing Algorithm, Biomedical Engineering, Control Systems, Robot and Mobile Robot, Speech & Audio Processing, Image Processing, Embedded System, Microelectronics

#### Information and Computer Technologies

Software Engineering, Data Mining, Multimedia Technology, Mobile Computing, Parallel Computing, Artificial Intelligence, Visualization and Computer Graphic, Computer Vision,

#### USER

Username

Password

Remember me

#### FONT SIZE

#### NOTIFICATIONS

- [View](#)
- [Subscribe / Unsubscribe](#)

#### ANNOUNCEMENTS

1.0

2.0

1.0

Augmented/Virtual Reality, Conceptual models of information systems, Data warehousing, Data Mining for Business Intelligence, Database Management, Information systems governance.

#### Green Applications and Interdisciplinary Topic

Green Applications in Transportation, Smart Building, Smart House, Smart Campus, and Smart City, Biomedical Image Processing, Biomedical Instrumentation

#### Keynote Speakers

Three distinguish Professors will share the latest information of Information Technology, Electrical and Computer Engineering in the plenary discussion as the **key note speakers:**

- **Prof.Dr.Ir. Mauridhi Hery Purnomo M.Eng. (Institut Teknologi Sepuluh Nopember).**
- **Prof.Dr. Ir. Fitri Yuli Zulkifli, ST., M.Sc (Universitas Indonesia).**
- **Assoc. Prof. Dr. Razali Ngah (Universiti Teknologi Malaysia).**

### Announcements

#### ICITACEE 2018 on IEEE Xplore and Scopus

Kindly accept our congratulations for having your published paper of ICITACEE 2018 is recently indexed in IEEE Xplore and Scopus.

*Posted: 2018-12-17*

[More...](#)

#### ICITACEE 2017 on IEEE Xplore

Kindly accept our congratulations for having your published paper of ICITACEE 2017 is recently indexed in IEEE Xplore.  
(<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=8240802>)

*Posted: 2018-01-21*

[More...](#)

#### Final Manuscript

Final Manuscript

*Posted: 2017-02-24*

[More...](#)

[More Announcements...](#)

Supported by:



# ICITACEE 2018

## Conference Technical Program

### A1. Electronic Circuit & Control (Thursday: September 27, 2018. 13.00 - 15.15) SEWU ROOM

No.	Time	Paper ID	Title	Authors
1	13.00 – 13.15	ECC-01	Magnetic Field Relationship between Distance and Induced Voltage Generated by EMP	Betantya Nugroho and Azli Yahya (Universiti Teknologi Malaysia, Malaysia); Abd Rahim (Mindmatics, Malaysia); Trias Andromeda (Universitas Diponegoro, Indonesia)
2	13.15 – 13.30	ECC-02	Communication Protocol on 64-Channel ECVT Data Acquisition System	Arbai Yusuf (Universitas Indonesia ; C-Tech Labs Edwar Technology, Indonesia)
3	13.30 – 13.45	ECC-03	Cooling System Design Based on Thermoelectric Using Fan Motor on-off Control	Munnik Haryanti (Universitas Dirgantara Marsekal Suryadarma, Indonesia)
4	13.45 – 14.00	ECC-04	Design of The 3D Surface Scanning System for Human Wrist Contour Using Laser Line Imaging	Riky Tri Yunardi (Universitas Airlangga, Indonesia)
5	14.00 – 14.15	ECC-05	Temperature Controlling Using PID Controller on Rice Grain Fluidized Dryer Prototype	Aris Triwiyatno (Diponegoro University, Indonesia)
6	14.15 – 14.30	ECC-06	PID Based Air Heater Controller Implemented With Matlab/Simulink and Arduino Uno	Bambang Supriyo, Dadi Dadi, Sulisty Warjono, Adi Wisaksono, Sri Astuti and Kusno Utomo (Politeknik Negeri Semarang, Indonesia)
7	14.30 – 14.45	ECC-07	Design A Low Cost Wind Direction Sensor With High Accuracy	Yoga Utama (University of Widya Kartika, Indonesia)
8	14.45 – 15.00	ECC-08	Quadruped Robot with Stabilization Algorithm on Uneven Floor using 6 DOF IMU based Inverse Kinematic	Rofiq Prayogo (Diponegoro University, Indonesia)
9	15.00 – 15.15	ECC-09	Design and Characterization of Low-Cost Soft Pneumatic Bending Actuator for Hand Rehabilitation	Mochammad Ariyanto, Joga Setiawan, Rifky Ismail, Ismoyo Haryanto, Tania Febrina and Doni Saksono (Diponegoro University, Indonesia)

**A2. Electronic Circuit & Control (Thursday : September 27, 2018. 15.30 - 17.45) SEWU ROOM**

No	Time	Paper ID	Title	Authors
1	15.30 – 15.45	ECC-10	Predictive Control for Relative Performance Management	Dharma Aryani (State Polytechnic of Ujung Pandang, Indonesia); Nur Asyik Hidayatullah (State Polytechnic of Madiun, Indonesia)
2	15.45 – 16.00	ECC-11	Design and Development of Injection Current Control On Inverter-Based Proportional Resonant Method	Abdul Haris Kuspranoto (Universitas Diponegoro, Indonesia)
3	16.00 – 16.15	ECC-12	Development of Object Tracking System Using Remotely Operated Vehicle Based on Visual sensor	Erwin Saputra and Ronny Mardiyanto (Institut Teknologi Sepuluh Nopember, Indonesia)
4	16.15 – 16.30	ECC-13	Predictive Control Approach for Restricted Areas Avoidance of Autonomous System	Sutrisno Sutrisno, Widowati Widowati, Sunarsih Sunarsih and Kartono Kartono (Diponegoro University, Indonesia)
5	16.30 – 16.45	ECC-14	Kufarm: A Modified Platform of Automation Planting System	Damar Pramuditya (Telkomuniversity, Indonesia); Agung Nugroho Jati and Fairuz Azmi (Telkom University, Indonesia)
6	16.45 – 17.00	ECC-15	Tracking Object based on GPS and IMU Sensor	Wahyudi Wahyudi (Department of Electrical Engineering, Diponegoro University)
7	17.00 – 17.15	ECC-16	Development of Navigation Method of Buoyant Boat for Maintaining Position of The Boat and ROV	Ronny Mardiyanto, Heri Suryoatmojo and Badrut Tamam (Institut Teknologi Sepuluh Nopember, Indonesia)
8	17.15 – 17.30	ECC-17	Development of a Low-Cost Quadrupedal Starfish Soft Robot	Mochammad Ariyanto, Munadi M and Joga Setiawan (Diponegoro University, Indonesia)
9	17.30 – 17.45	ECC-18	Performance Improvement of Robot Warehouse Based on Battery Operational Conditions	Almira Budiyanto, Aris Setiawan and Setyawan Wahyu Pratomo (Universitas Islam Indonesia, Indonesia)

**B1. Electric & Power System (Thursday : September 27, 2018. 13.00 - 15.15) MENDUT ROOM**

No	Time	Paper ID	Title	Authors
1	13.00 – 13.15	EPS-01	Design and Performance Test of Three Phased SRF-PLL using DSPIC30F4011	Syarief Ali, Iwan Setiawan and Susatyo Handoko (Universitas Diponegoro, Indonesia)
2	13.15 – 13.30	EPS-02	The Effect of Excitation Capacitors on Induction Generators in Loss-of-Grid Events	Mokhammad Isnaeni Bambang Setyonegoro (Universitas Gadjah Mada, Indonesia); Danang Wijaya (UGM, Indonesia); Eka Firmansyah (Universitas Gadjah Mada, Indonesia)
3	13.30 – 13.45	EPS-03	Transient Stability Study in Grid Integrated Wind Farm	Samuel Adi Kusumo (Universitas Gadjah Mada, Indonesia); Lesnanto Multa Putranto (UGM, Indonesia); Tiyono Tiyono (Universitas Gadjah Mada, Indonesia)
4	13.45 – 14.00	EPS-04	Analysis of Energy Potential of Biomass Electricity from Leaf Waste by Using Briquette Method	Herlina Wahab (Sriwijaya University ; University of Indonesia, Indonesia); Rudy Setiabudy (Universitas Indonesia (UI), Indonesia); Akbar Cahyadi (Universitas Indonesia, Indonesia)
5	14.00 – 14.15	EPS-05	DVR to Voltage Sag Mitigation Due to Induction Motor Starting and 3 Phase Fault	Muhammad Kuncoro and Iwa Garniwa (University of Indonesia, Indonesia)
6	14.15 – 14.30	EPS-06	A Single Phase 11-Level Inverter for Photovoltaic Application	Wira Adhitama (Soegijapranata Catholic University, Indonesia)
7	14.30 – 14.45	EPS-07	Design and Implementation of Inverter Single Phase Nine-Level Using PIC18F4550	Natanael Novalutfi (Soegijapranata Catholic University, Indonesia)
8	14.45 – 15.00	EPS-08	Energy Saving Measures and Potential of Energy Efficiency at The University of Surabaya	Fitri Kartikasari (University of Surabaya, Indonesia); Elieser Tarigan (University of Surabaya ; Electrical Engineering, Indonesia); Yunus Fransiscus and Tuani Lidyawati (University of Surabaya, Indonesia)
9	15.00 – 15.15	EPS-09	Design and Simulation of an Asymmetrical 11-Level Inverter for Photovoltaic Applications	Christopher Tjokro and Leonardus Pratomo (Soegijapranata Catholic University, Indonesia)

**B2. Electric & Power System (Thursday : September 27, 2018. 15.30 - 17.30) MENDUT ROOM**

No	Time	Paper ID	Title	Authors
1	15.30 – 15.45	EPS-10	Design of Adaptive PID Controller for Fuel Utilization In Solid Oxide Fuel Cell	Darjat Darjat, Sulistyو Sulistyو and Aris Triwiyatno (Diponegoro University, Indonesia)
2	15.45 – 16.00	EPS-11	Study on Photovoltaic Hosting in Yogyakarta Electric Distribution Network	Faishal Fuad Rahman Soeharto and Kristianto Kristianto Adi Widiatmoko (Universitas Gadjah Mada, Indonesia); Sarjiya Sarjiya (Gadjah Mada University, Indonesia); Lesnanto Multa Putranto (UGM, Indonesia)
3	16.00 – 16.15	EPS-12	Analysis of Grounding System in 150 kV Kudus Substation	Riza Pratama (Diponegoro University, Indonesia)
4	16.15 – 16.30	EPS-13	Maximum Power Tracking of Solar Panel using Modified Incremental Conductance Method	Trias Andromeda (Universitas Diponegoro, Indonesia); Betantya Nugroho (Universiti Teknologi Malaysia, Malaysia); Susatyo Handoko (Universitas Diponegoro, Indonesia); Azli Yahya (Universiti Teknologi Malaysia, Malaysia); Hermawan Hermawan and Mochammad Facta (Diponegoro University, Indonesia); Iwan Setiawan (Universitas Diponegoro, Indonesia)
5	16.30 – 16.45	EPS-14	Electrical Load Forecasting Study Using Artificial Neural Network Method for Minimizing Blackout	Husein Mubarak and Mukhamad Sapanta (Universitas Islam Indonesia, Indonesia)
6	16.45 – 17.00	EPS-15	Comparison Study on Leakage Current of 20 kV Silicon Rubber and Epoxy Resin Insulator Under Dry and Wet Condition	Taryo Taryo (Diponegoro University, Indonesia); Abdul Syakur (Universitas Diponegoro, Indonesia); Hermawan Hermawan (Diponegoro University, Indonesia)
7	17.00 – 17.15	EPS-16	Leakage Current Characteristics of 20 kV Epoxy Resin Insulators Under Variation Humidity	Pertiwi Utami and Hermawan Hermawan (Diponegoro University, Indonesia); Abdul Syakur (Universitas Diponegoro, Indonesia)

No	Time	Paper ID	Title	Authors
8	17.15 – 17.30	EPS-17	Measurement System for Surface Leakage Current at Epoxy Resin Insulating Materials	Abdul Syakur (Diponegoro University, Indonesia); Wahyudi Wahyudi (Departemen Teknik Elektro UNDIP, Indonesia); Jumrianto Jumrianto, Jr (Diponegoro University & NET TV, Indonesia)
9	17.30 – 17.45	EPS-18	Investigation of Direct Grounding System Effect on Modeling of Lightning and Tower in Transmission Line	Agung Nugroho, Mochammad Facta

**C1. Information & Computer Technologies (Thursday : September 27, 2018. 13.00 - 15.15)  
KALASAN ROOM**

No	Time	Paper ID	Title	Authors
1	13.00 – 13.15	ICT-01	MRI Image Segmentation using Morphological Enhancement and Noise Removal based on Fuzzy C-means	Robert Setyawan, Mustofa Alisahid Almahfud, Christy Atika Sari, De Rosal Ignatius Moses Setiadi and Eko Hari Rachmawanto (Dian Nuswantoro University, Indonesia)
2	13.15 – 13.30	ICT-02	Measurement on Real-Time Diagnostic of Gastric Tumor Model Using A Wireless Endoscopy System	Novietasari Chisnariandini (University of Indonesia, Indonesia); Arie Pangesti Aji (Universitas Indonesia, Indonesia); Yudiansyah Yudiansyah (University of Indonesia, Indonesia); Prita Dewi Mariyam, Jauharul Fuadi, Yulianto La Elo and Basari Basari (Universitas Indonesia, Indonesia)
3	13.30 – 13.45	ICT-03	Relational Database Structure and Operations Engineering Based on UML Diagram	Lukman Hakim (Bandung Institute of Technology, Indonesia); Sukrisno Mardiyanto (Institut Teknologi Bandung, Indonesia)
4	13.45 – 14.00	ICT-04	Design of Secure IoT Platform For Smart Home System	Arvandy Arvandy and Yoanes Bandung (Institut Teknologi Bandung, Indonesia)
5	14.00 – 14.15	ICT-05	Marker Image Variables Measurement of Augmented Reality in Mobile Application	Ike Windasari, Yudi Windarto and Risma Septiana (Diponegoro University, Indonesia)

No	Time	Paper ID	Title	Authors
6	14.15 – 14.30	ICT-06	Sentiment Analysis and Topic Modelling for Identification of Government Service Satisfaction	Moh Aziz, Ari Firmanto, Ahmad Miftah Fajrin and R. V. Hari Ginardi (Institut Teknologi Sepuluh Nopember, Indonesia)
7	14.30 – 14.45	ICT-07	Prototype of Online Examination on MoLearn Applications Using Text Similarity to Detect Plagiarism	Julianto Lemantara (Institut Bisnis dan Informatika Stikom Surabaya, Indonesia); Dewiyan Sunarto (Institute of Business and Informatic Stikom Surabaya, Indonesia); Bambang Hariadi, Tri Sagirani and Tan Amelia (Institut Bisnis dan Informatika Stikom Surabaya, Indonesia)
8	14.45 – 15.00	ICT-08	Performance Comparison Between AES256-Blowfish and Blowfish-AES256 Combination	Muhammad Muin (Universitas AMIKOM Yogyakarta ; STMIK Bina Patria, Indonesia); Arief Setyanto (Universitas AMIKOM Yogyakarta, Indonesia); Sudarmawan Sudarmawan (AMIKOM Yogyakarta University, Indonesia); Kartika Santoso (STMIK Bina Patria, Indonesia)
9	15.00 – 15.15	ICT-09	A Natural Childbirth Training Simulation in Virtual Environment For Prospective Midwife	Alvin Nugraha, Aulia Faza, Wulan Indayani and Hanny Haryanto (Universitas Dian Nuswantoro, Indonesia); Abas Setiawan (Dian Nuswantoro University, Indonesia)

**C2. Information & Computer Technologies (Thursday : September 27, 2018. 15.30 - 17.30)**  
**KALASAN ROOM**

No	Time	Paper ID	Title	Authors
1	15.30 – 15.45	ICT-10	Halstead Metric for Quality Measurement of Various Version of Statcato	Iwan Binanto (Sanata Dharma University, Indonesia); Bahtiar Saleh Abbas and Nesti Sianipar (Bina Nusantara University, Indonesia); Harco Leslie Hendric Spits Warnars (Bina Nusantara University ; Doctor of Computer Science, Indonesia)
2	15.45 – 16.00	ICT-11	Environmental Health Monitoring with Smartphone Application	Kodrat Iman Satoto, Eko Didik Widiyanto and Sumardi Sumardi (Diponegoro University, Indonesia)

No	Time	Paper ID	Title	Authors
3	16.00 – 16.15	ICT-12	Two-Step Ranking Document Using the Ontology-Based Causality Detection	A. A. I. N. Eka Karyawati and L. A. A. Rahning Putri (Udayana University, Indonesia)
4	16.15 – 16.30	ICT-13	Knowledge Management Model in Syariah Banking	Nurdin Nurdin (Institut Agama Islam Negeri Palu); Sagaf S Pettalongi and Khaeruddin Yusuf (Institut Agama Islam Negeri Palu, Indonesia)
5	16.30 – 16.45	ICT-14	The Spreading of Misinformation online: 3D Simulation	Pardis Pourghomi and Milan Dordevic (American University of the Middle East, Kuwait); Fadi Safieddine (Queen Mary University of London, United Kingdom (Great Britain))
6	16.45 – 17.00	ICT-15	IT Management Flexibility Concept for Higher Education	Wasilah Wasilah (Gajah Mada University (UGM) ; Informatics and Business Institute (IBI DARMAJAYA) Bandar Lampung, Indonesia)
7	17.00 – 17.15	ICT-16	Review on Cost-Value Approach for Requirements Prioritization Techniques	Tan Amelia (Institut Bisnis dan Informatika Stikom Surabaya, Indonesia); Rozlina Mohamed (Universiti Malaysia Pahang, Malaysia)
8	17.15 – 17.30	ICT-17	Critical Success Factor of Information Technology Implementation in Supply Chain Management	Erick Fernando and Surjandy Surjandy (Bina Nusantara University, Indonesia); Harco Leslie Hendric Spits Warnars (Bina Nusantara University ; Doctor of Computer Science, Indonesia); Meyliana Meyliana (Bina Nusantara University, Indonesia); Raymond Kosala (Faculty of Computing ; Media, Indonesia); Edi Abdurachman (Bina Nusantara University, Indonesia)
9	17.30 – 17.45	ICT-18	The Evaluation of Child's Health Monitoring System Using the Usability Testing Approach	Kurniawan Martono (Diponegoro University, Indonesia)

**D1. Telecommunications & Radio Frequency (Thursday : September 27, 2018. 13.00 - 15.00)  
PRAMBANAN ROOM**

No	Time	Paper ID	Title	Authors
1	13.00 – 13.15	TRF-01	Study on 2G Termination in Indonesia using BCG Matrix	Alaind Fadrian and Ajib S. Arifin (Universitas Indonesia, Indonesia)

No	Time	Paper ID	Title	Authors
2	13.15 – 13.30	TRF-02	Performance of 8FSK base on PACTOR I protocol over AWGN channels	Mohd Yazid Ab Razak (National University of Malaysia ; Mindmatics Sdn Bhd, Malaysia); Abd Rahim Mat Sidek (Mindmatics Sdn Bhd, Malaysia); Nasharuddin Zainal (Universiti Kebangsaan Malaysia, Malaysia)
3	13.30 – 13.45	TRF-03	Development of Radio Direction Finder using 6 Log Periodic Dipole Array Antennas	Kartiko Nugroho, Azli Yahya and Nor Hisham Khamis (Universiti Teknologi Malaysia, Malaysia); Nuramirah Mohd Nor (Mindmatics Sdn. Bhd., Malaysia); Abd Rahim (Mindmatics, Malaysia); Mohammad Razman Shaari (Mindmatics Sdn. Bhd., Malaysia)
4	13.45 – 14.00	TRF-04	Directional 2x2 MIMO Microstrip Antenna Design and Optimization for LTE Band-3 Application	Tommi Hariyadi and Rizky Megantara (Universitas Pendidikan Indonesia, Indonesia)
5	14.00 – 14.15	TRF-05	High Throughput Wireless Printer Server Based on IEEE 802.11n	Wahyul Amien Syafei (Diponegoro University, Semarang ; Kyushu Institute of Technology, Iizuka, Indonesia); Imam Santoso (Diponegoro University, Indonesia)
6	14.15 – 14.30	TRF-06	Analysis on Batik Water Waste Monitoring System based on LoRa Communication	Michael Stephen Moses Pakpahan, Eko Didik Widiyanto and Risma Septiana (Diponegoro University, Indonesia)
7	14.30 – 14.45	TRF-07	A GIS-based Waste Water Monitoring System Using LoRa Technology	Yudi Windarto and Agung Prasetijo (Diponegoro University, Indonesia); Galang Damara (Universitas Diponegoro, Indonesia)
8	14.45 – 15.00	TRF-08	Filtering for Data Aquisition on Wireless Sensor Network	Aghus Sofwan, Sumardi Sumardi and Nely Ulwiyati (Diponegoro University, Indonesia)

**D2. Information & Computer Technologies (Thursday : September 27, 2018. 15.30 - 17.30)**  
**PRAMBANAN ROOM**

No	Time	Paper ID	Title	Authors
1	15.30 – 15.45	ICT-19	Ticketing Chatbot Service using Serverless NLP Technology	Eko Handoyo and M Arfan (Diponegoro University, Indonesia); Yosua Alvin Adi Soetrisno (Diponegoro University ; Faculty of Engineering, Indonesia); Maman Somantri, Aghus Sofwan and Enda Sinuraya (Diponegoro University, Indonesia)
2	15.45 – 16.00	ICT-20	Design of Water Quality Control for Shrimp Pond Using Sensor-Cloud Integration	Maman Somantri, Aghus Sofwan, M Arfan, Vivi Endar Herawati and Hafiidhin Abdurrasyiid (Diponegoro University, Indonesia)
3	16.00 – 16.15	ICT-21	A Comparative Study of Image Cryptographic Method	De Rosal Ignatius Moses Setiadi, Eko Hari Rachmawanto and Christy Atika Sari (Dian Nuswantoro University, Indonesia); Ajib Susanto (Universitas Dian Nuswantoro, Indonesia); Mohamed Doheir (Universiti Teknikal Malaysia Melaka, Malaysia)
4	16.15 – 16.30	ICT-22	Handwriting Ownership Recognition using Contrast Enhancement and LBP Feature Extraction based on KNN	Nurul Diyah Ayu Partiningsih, Rizki Ramadhan Fratama, Christy Atika Sari, De Rosal Ignatius Moses Setiadi and Eko Hari Rachmawanto (Dian Nuswantoro University, Indonesia)
5	16.30 – 16.45	ICT-23	Comparison of HSV and LAB Color Spaces for Hydroponic Monitoring System	Thomas Agung S and Setyo Aji Riwinanto (Politeknik Negeri Semarang, Indonesia); Suhendro S (Politeknik Negeri Semarang, Indonesia); Helmy Helmy and Arif Nursyahid (Politeknik Negeri Semarang, Indonesia); Ari Sriyanto Nugroho (Politeknik Negeri Semarang, Indonesia)
6	16.45 – 17.00	ICT-24	Automatic Docking Based on Visual Feedback on Remotely Operated Vehicle	Muhammad Qomaruzzaman and Ronny Mardiyanto (Institut Teknologi Sepuluh Nopember, Indonesia)

No	Time	Paper ID	Title	Authors
7	17.00 – 17.15	ICT-25	Performance Improvement of Human Activity Recognition based on Ensemble Empirical Mode Decomposition	Enda Sinuraya (Diponegoro University, Indonesia); Yosua Alvin Adi Soetrisno (Diponegoro University ; Faculty of Engineering, Indonesia); Denis Denis (Diponegoro University, Indonesia); Aminuddin Rizal (National Taiwan University of Science and Technology, Taiwan)
8	17.15 – 17.30	ICT-26	Naive Bayes Classifier For Prediction Of Volcanic Status In Indonesia	Firman Tempola (Universitas Khairun Ternate, Indonesia)
9	17.45 – 18.00	ICT-27	Case Based Reasoning For Determining The Feasibility Of Scholarship Grantees Using Case Adapatation	Firman Tempola (Universitas Khairun Ternate, Indonesia)
10	18.00 – 18.15	ICT-28	A Development Of Executive Information Based On Satisfaction Level Of Students	Eflita Yohana, Mochammad Facta, Awalina Ani Sayekti (Universitas Diponegoro)
11	18.15 – 18.30	ICT-29	Compressive Sensing Approach with Double Layer Soft Threshold for ECVT Static Imaging	Nur Afny Catur Andryani (Tanri Abeng University); Dodi Sudiana and Dadang Gunawan (Universitas Indonesia, Indonesia)
12	18.30 – 18.45	ICT-30	Context-based Hydrology Time Series Data for A Flood Prediction Model Using LSTM	Indrastanti R. Widiyasari (Satya Wacana Christian University); Lukito Edi Nugoho, Widyawan Universitas Gadjah Mada; Rissal Efendi



# CERTIFICATE

*This is to certify that*  
**Yosua Alvin Adi Sutrisno**  
*has contributed as*  
**Presenter**

in The 5<sup>th</sup> International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE) 2018  
in Semarang Indonesia, September, 26-28<sup>th</sup> 2018



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



Aghus Sofwan, ST, MT, PhD.  
General Chair ICITACEE 2018