

# THE 7<sup>TH</sup> INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY, COMPUTER, AND ELECTRICAL ENGINEERING

Semarang, Indonesia



DEPARTEMENT OF ELECTRICAL ENGINEERING  
DIPONEGORO UNIVERSITY  
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THE 7<sup>TH</sup> INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY, COMPUTER, AND ELECTRICAL ENGINEERING

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ON INFORMATION TECHNOLOGY, COMPUTER,  
AND ELECTRICAL ENGINEERING



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The 7<sup>th</sup> International Conference on Information Technology,  
Computer and Electrical Engineering

ICITACEE 2020

Semarang, Indonesia, September 24<sup>th</sup> – 25<sup>th</sup>, 2020



[Home](#) [Program](#) [ToC](#) [TPC](#) [Committees](#) [Authors](#) [Reviewers](#)

## Homepage

The conference entitled "The 2020 7th International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE 2020)" 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 2020 this conference will be organized by Electrical Engineering Department.

The theme of ICITACEE 2020 is "Electrical Engineering & Information Technology Research Toward Eco-Friendly Technology and Humanity". 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 2020 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.



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[Home](#) [Program](#) [ToC](#) [TPC](#) [Committees](#) [Authors](#) [Reviewers](#)

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Thursday, September 24

## A : Circuit & Control

Chair: Munawar A Riyadi

### ***Finger Robotic Control Use M5Stack Board and MQTT Protocol Based***

Puput Dani Prasetyo Adi

*Presenter bio:* I am Lecturer at electrical engineering department unmer - malang  
pp. 1-6

### ***Liquid Flow Control Design Based on PID-Fuzzy Controller with anti-Windup Compensator***

Sofian Yahya, Adnan Rafi Al Tahtawi, Kartono Wijayanto, KW and Bani Faizah

pp. 7-12

### ***Quasi Input to State Stability of a Quaternion-Based Attitude Control System with an Augmented Dynamical System***

Harry Septanto and Djoko Suprijanto

pp. 13-18

### ***Design of Gain-Scheduled Fuzzy PID Controller for AFR Control System of SI-Based Motorcycle Engine Model***

Joshua Harbangan Dharmarakel Panjaitan, Andra Kurniahadi, Aris Triwiyatno and Iwan Setiawan

pp. 19-24

### ***A Hammerstein-Wiener Mean Value Engine Model for Small Automatic Motorcycle Engine***

Andra Kurniahadi, Joshua Harbangan Dharmarakel Panjaitan, Aris Triwiyatno and Iwan Setiawan

pp. 25-30

### ***Design of Camber Angle Control on MacPherson Strut***

Zener Sukra Lie and Ian Prayoga

*Presenter bio:* Zener Sukra Lie was born in Jakarta, Indonesia on March,14, 1984. Zener Sukra Lie completed his undergraduate degree in Electrical Engineering from University of Indonesia, Jakarta, Indonesia 2006. In the same year, He joined the graduate program in Electrical Engineering with majoring microelectronics at Bandung Institute of Technology, Bandung, Indonesia. In 2012, He got his doctorate degree on Nuclear Power and Energy Safety Engineering Department from University of Fukui, Fukui, Japan. Currently He is a lecturer in the department of Automotive and Robotics, BINUS ASO School of Engineering (BASE), Bina Nusantara University and the same time he works as a voluntary researcher for M3RC. His research and lecture revolve around Laser-Induced Breakdown Spectroscopy, and Intelligent System.  
pp. 31-35

### ***EMG Signal Processing from the Myo Armband Sensor for the Prosthetic Hand Control System Input Using RMS and ANFIS***

Moh. Arozi, Mochammad Ariyanto, Asa Kristianto, Munadi Munadi and Joga Dharma Setiawan

pp. 36-40

### ***Trajectory Planning with Obstacle Avoidance of 3 DoF Robotic Arm for Test Tube Handling System***

Hadha Afrisal, Budi Setiyono, Muhammad Fahmi Yusuf, Rose Mutiara Suin and Olimjon Toirov

pp. 41-46

### ***Design of Air-Fuel Ratio Control Using Gain-Scheduled Fuzzy-PID for Small Scooter Engine***

Aris Triwiyatno, Budi Setiyono, Joshua Harbangan Dharmarakel Panjaitan, Andra Kurniahadi and Iwan Setiawan

pp. 47-51

### ***Development of Dynamic Model of Autonomous Sailboat for Simulation and Control***

Joga Dharma Setiawan, Deddy Chrismianto, Mochammad Ariyanto, Candra Wahyu Sportyawan, Robby Dwianto Widyantara and Sabri Alimi

pp. 52-57

## B : Information & Communication Technology (1)

Chair: Aghus Sofwan

### ***Development of Mobile Skin Cancer Detection Using Faster R-CNN and MobileNet V2 Model***

Cahyo Adhi Hartanto and Adi Wibowo

*Presenter bio:* I received my B.S degree from Diponegoro University, M.S. degrees from Universitas Indonesia, Indonesia, in 2005 and 2011, and Ph.D. degrees from Nagoya University in 2016. My research interests include molecular robotics, DNA computing, signal processing and machine learning.  
pp. 58-63

### ***Automated Item Generation: Model and Development Technique***

Septian Eko Prasetyo, Teguh Bharata Adji and Indriana Hidayah

pp. 64-69

**Functional Suitability Measurement Based on ISO/IEC 25010 for e-Commerce Website**

Luthfi Atikah, Novrindah Alvi Hasanah and Siti Rochimah  
pp. 70-75

**A New Model of Poverty Index Prediction Using Triple Exponential Smoothing Method**

Kristoko Dwi Hartomo, Sri Yulianto Joko Prasetyo and Asni Valentina  
pp. 76-79

**How Agile Software Development Affect Software Reusability (Study Case: New Student Admissions Portal)**

Akbar Noto Ponco Bimantoro, Ivanda Zevi Amalia and Siti Rochimah  
pp. 80-84

**Size-based Feature Extraction on Blood Cells Calculation Process Using k-Means Clustering**

Isya Sulistyio, R Rizal Isnanto and Munawar Riyadi  
pp. 85-89

**Sentiment Analysis of Indonesians Response to Influencer in Social Media**

Syafi Muhammad Tauhid and Yova Ruldeviyani  
*Presenter bio:* My name is Syafi Muhammad T, I am a Master Student in Universitas Indonesia. Currently, I am at my second semester and this is my first paper submission!  
pp. 90-95

**Hyper-Parameter Tuning Based on Random Search for DenseNet Optimization**

Ari Nugroho  
pp. 96-99

**Herbal Leaf Pattern Analysis Using Principal Component Analysis (PCA) and Canberra Distance**

Vidia Susilo  
pp. 100-104

**A Decision Support System for Undergraduate Students Admissions Using Educational Data Mining**

Gunawan Dewantoro and Nathanael Ardisa  
pp. 105-109

**New Hybrid Algorithm Implementation on Spread Wireless Sensor to Determine the Point of Fire in the Building**

Irawan Dwi Wahyono  
pp. 110-114

**Understanding Indonesian Citizen's Continuance Intention to Use Mobile-based Smart City: A Perspective of Modified Expectation Confirmation Model (M-ECM)**

Aang Kisnu Darmawan, Dr., Daniel Siahaan, Tony Dwi Susanto, Hoiriyah Hoiriyah, Busro Umam and Bakir Bakir  
*Presenter bio:* I am a lecturer and researcher on Departement of Information Systems at Madura Islamic University. my research concern on fields e-government, smart city, technology acceptance, technology adoption, human computer interaction/user experience  
pp. 115-120

**C : Information & Communication Technology (2)**

Chair: Agung Prasetyo

**Development of Indonesian Language Speech Recognition Algorithm Model in Knowledge Database**

Emny Yossy, Syaeful Karim and Dannys Rachmantyo  
*Presenter bio:* I am Emny, a lecturer at Universitas Bina Nusantara, School of Computer Science major in software engineering.  
pp. 121-124

**Applicant Mapping of Predicting Seriousness in Choosing Private University Using Self Organizing Map (SOM) Algorithm**

Bambang Hadi Kunaryo  
pp. 125-129

**Application of Message Queuing Telemetry Transport (MQTT) Protocol in the Internet of Things to Monitor Mushroom Cultivation**

Fauzan Masykur, Angga Prasetyo, Adi Fajaryanto Cobantoro, Mohammad Bhanu Setyawan and Ida Widaningrum  
pp. 130-134

**Classification of Big Five Personality Behavior Tendencies Based on Study Field with Twitter Analysis Using Support Vector Machine**

Denis Eka Cahyani  
pp. 135-140

**Predicting Future Potential Flight Routes via Inductive Graph Representation Learning**

Arie Wahyu Wijayanto and Farid Ridho  
pp. 141-146

**Performance Analysis of Neo4j and MySQL Databases for Public Policies Decision Making**

Rahmatian Jayanty Sholichah  
pp. 147-152

**A New Experiment of the Capacitive Sensors for Identification of Signal Fluctuations**

Melinda Melinda, Yunidar Yunidar, Muhammad Irhamsyah and Agus Santoso Tamsir  
*Presenter bio:* Teaching staff member at electrical engineering of Syiah Kuala university Banda Aceh  
pp. 153-158

**Computational Analysis of Different Design Hip Joint Prostheses Using Finite Element Method**

Rilo Berdin Tagriban, Rifky Ismail, Jamari J. and A Bayuseno  
pp. 159-163

**Matching Images on the Face of A Buddha Statue Using the Scale Invariant Feature Transform (SIFT) Method**

Linda Marlinda, Supriadi Rustad, Ruri Basuki, Budiman Fikri and Muhamad Fatchan, Ftn  
pp. 164-167

**Text-Driven Talking Head Using Dynamic Viseme and DFFD for SIBI**

Sultan Muzahidin and Erdefi Rakun  
pp. 168-173

**Extended Planning Poker: A Proposed Model**

Pantjawati Sudarmaningtyas and Rozlina Mohamed  
pp. 174-179

**Assessment on Image Quality Changes as a Result of Implementing Median Filtering, Wiener Filtering, Histogram Equalization, and Hybrid Methods on Noisy Images**

R Rizal Isnanto, Yudi Windarto and Mutiara Victorina Mangkuratmaja  
*Presenter bio:* Associate Professor Dr. R. Rizal Isnanto Lecturer in Computer Engineering Department, Diponegoro University, Semarang, Indonesia.  
pp. 180-185

**Profile Analysis of Landmark Visitors Based on Global Positioning System Data Collection**

Yosua Alvin Adi Soetrismo, Aghus Sofwan and Sumardi Sumardi.  
pp. 186-190

**D : Power Systems**

Chair: Susatyo Handoko

**Impact of Arrester Models in Placement Determination at 150 kV Sronдол Substation**

Setyo Adi Nugroho, Mochammad Facta and Abdul Syakur  
pp. 191-195

**Interline Wind Power Plant and SVC in Electrical Power System**

Langlang Gumilar  
pp. 196-201

**Analysis of the Effect of Installing Capacitor Bank in the Photovoltaic on - Grid 122 kWp for Power Factor Correction**

Pangestuningtyas Diah Larasati, Hermawan Hermawan and Susatyo Handoko  
pp. 202-207

**Study of Power Transformer Noise Prediction**

Wahyudi Pramono  
pp. 208-213

**Combination Detuned Reactor and C-Type Filter for Electrical Power System Under Harmonic Condition**

Langlang Gumilar  
pp. 214-218

**Analysis of Electrical Energy Consumption for Lighting System in Polyclinic, Radiology, and Patient Rooms of Hospital Building**

Catur Nofianto, Mochammad Facta, Hermawan Hermawan and Omar Abouzeid  
*Presenter bio:* I work at Kariadi Hospital as an Electrical Planner. I studied at Diponegoro University in Semarang by majoring in Electrical Engineering.  
pp. 219-224

**Calculation of Photovoltaic Reliability for Assessing Loss of Load Probability**

Yani Kamisa Putri and Adrianti Adrianti  
pp. 225-230

**Experimental Analysis Design of Solar Panel Energy Monitoring Prototype**

Lin Prasetyani, Mada Jimmy Arifianto, Djoko Subagio, Wiliam Sarfat and April Yanto  
pp. 231-235

**Sinusoidal Current Control Strategies for Single Phase Grid-Connected Renewable Power Generation Systems**

Iwan Setiawan, Mochammad Facta, Hermawan Hermawan, Trias Andromeda, Mauridhi Hery Purnomo and Taufik Taufik  
pp. 236-241

**Electric Load Management on Solar Power Plant System**

Bambang Winardi, Enda Wista Sinuraya, Agung Nugroho and Susatyo Handoko  
pp. 242-246

**An Automatic Tuning Scaling Factor of PID-Fuzzy Controller for Frequency Regulation of an Off-Grid Renewable Power System**

Ferdian Ronilaya, Salma Ilimawati, Widamuri Anistia, Mohammad Hidayat, Ika Noer Syamsiana and A. Aripriharta  
pp. 247-252



**E : Telecommunication**

Chair: Teguh Prakoso

***Innovation Architecture Smart Car Parking System with Wireless Sensor Networks***

Erick Fernando and Harco Leslie Hendric Spits Warnars  
pp. 253-257

***Wi-fi Communication Methods for Internet of Things-based Sensor Telemetry with a Visual Basic-based User Interface***

Iswanto Iswanto, Is, Prisma Megantoro, Brahmanya Aji Pramudita and Hendra Ari Winarno  
pp. 258-261

***Design and Analysis of Optical Fiber Network for Railway Communication Lines***

B. Pratiknyo Adi Mahatmanto, Catur Apriono, Rosza Madina and Ali Syahputra Nasution  
pp. 262-266

***Nutrient Solution Acidity Control System on NFT-Based Hydroponic Plants Using Multiple Linear Regression Method***

Helmy Helmy, Dian Ayu Janah, Arif Nursyahid, Thomas Agung S, Ari Sriyanto Nugroho and Muhlasah Mara  
pp. 267-270

***Freshness Detection of Snake Fruit Using A Combination of Gaussian Classifier and FCM***

Muhammad Muslim  
pp. 271-275

***Development of Controller for Internet of Things Based anti Pollution Smart Toll Gate System***

Wahyul Amien Syafei, Achmad Hidayatno, Raihan Afiq and Wahyudi Wahyudi  
*Presenter bio:* B.Eng 95 Electrical Engineering Faculty of Engineering Diponegoro University, Indonesia. M.Eng 02 Multimedia Telecommunication Faculty of Engineering Sepuluh Nopember Institute of Technology, Indonesia. Ph.D 09 Department of Electronics and System Engineering Computer Science and Electronics Kyushu Institute of Technology, Japan. Field: Wireless Telecommunication and Multimedia, MIMO, OFDM, Familiar with IEEE 802.11a/b/g/n/ ac, 3rd-Dan in Karate, 3rd-Dan in Kobudo, Instructor of Okinawan Kobudo, Gold Medal Shorinji Kempo. Speaking: Bahasa Indonesia, Java, Sunda, English, Japanese, Arabic  
pp. 276-281

***Computational Analysis of Running Prosthesis Design Using Finite Element Method***

Rifky Ismail, Deni Fitriyana, Mukhamad Alfian Habibi, S. Sugiyanto and A. Bayuseno  
*Presenter bio:* An assistant professor in Department of Mechanical Engineering, Diponegoro University, Indonesia. A researcher in Center for Biomechanics, Biomaterial, Biomechatronics and Biosignal Processing (CBiom3S) Diponegoro University. I conduct a research on biomechanics, biomaterial, biomechatronics, tribology and engineering design.  
pp. 282-287

***Implementation and Testing of Rooftop Solar Power Plant with On-Grid System 1215 Wp Household Scale***

Jaka Windarta, Denis Denis, Singgih Saptadi, Johanes S Silaen and Dimas Adi Satrio  
pp. 288-293

***Design and Development of Automatic Transfer Switch System, Energy Saving Emergency Panel***

Nugroho Agus Darmanto and Bhaskara Wisnu Ardli Mahardika  
pp. 294-297

***A New Hybrid Spreading and Scrambling Based Multiple Access Technique for Capacity Improvement in 5G***

Tabinda Ashraf and Muhammad Zeeshan

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