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Tuesday, December 13

Tuesday, December 13 6:45 - 7:00

Preparing and Join to Zoom Meeting

Chairs: Ria Andriani, Rifda Faticha Alfa Aziza

Tuesday, December 13 7:00 - 9:00

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Opening Ceremony

Chair: Dhea Laudya

- Welcoming Greeting from MC
- Indonesia National Anthem

Tuesday, December 13 9:05 - 9:15

Welcome Speech from ICITISEE Committee

Prof. Dr. Kusrini, S.Kom., M.Kom.

Chair: Kusrini Kusrini

Tuesday, December 13 9:15 - 9:30

Welcome Speech from Universitas Amikom Yogyakarta

Dr. Arief Setyanto, S.Si., M.T. (Vice Rector 4)

Chair: Arief Setyanto

Tuesday, December 13 9:30 - 9:45

Welcome Speech from Head of LLDIKTI 5

Prof. drh. Aris Junaidi, Ph.D.

Tuesday, December 13 9:45 - 10:00

Speech & IEEE at Glance from IEEE Indonesia Section

Dr.-Ing. Wahyudi Hasbi, S.Si., M.Kom.

Chair: Wahyudi Hasbi

Tuesday, December 13 10:00 - 10:10

Moderator's Time

Chair: Arief Setyanto

Dr. Arief Setyanto, Ph.D.

Tuesday, December 13 10:10 - 10:45

Plenary Speech 1

Chair: Ahmad Nasikun

Dr. Ahmad Nasikun, S.T., M.Sc.

Tuesday, December 13 10:45 - 11:15

Discussion Q & A

Chair: Arief Setyanto

Tuesday, December 13 11:15 - 11:30

Closing & Photo

Chair: Dhea Laudya

Tuesday, December 13 12:00 - 12:30

Lunch Break

Chair: Ria Andriani

Tuesday, December 13 12:30 - 2:30

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BreakoutRoom J

Chair: Bety Wulan Sari

Performance of Underwater Visible Light Communication (UVLC) using Quasi Cyclic Low-Density Parity Check (QC-LDPC)

Nita Nur Qarinah, Lavilerio Lamuna, Arya Maulana Ibrahimy and Brian Pamukti

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Influence of Bulk PV Penetration on Power System Transient Stability

Rashed H Alhudaib

pp. 717-722

An Electronically Steerable Antenna Designed for Accurate DoA Determination of U-NII-2-Extended WLAN Devices

Zasli Afandi Baharuddin, Elyas Palantei and Intan Sari Areni

pp. 723-728

ADX: IOT-Based Integrated Smart Control System for Prevention of Airborne COVID-19 Spread

Rizqi Sukma Kharisma, Kusri Kusri, Uyock Anggoro Saputro, Mulia Sulistiyono, Majid Rahardi, Bernadhed Bernadhed and Elik Hari Muktafin

pp. 729-733

The Simulation Of Monitoring System Of Elephant Location In The Forest Using Internet Of Things

Mia Rosmiati, Gita Indah Hapsari and Manggar Mahardikan

pp. 734-739

Performance of Low-cost GPS-RTK for Navigating AGV Outdoors

Fadjar Rahino Triputra, Bagus Bhakti Irawan, Rifqi Fajar Giyana, Widar Dwi Gustian, Leli Lailatul Jannah, Azrizal Akbar, Maristya Rahmadiansyah and Muhammad Putra Rasuanta

pp. 740-745

IoT Home Medical Check-up System Application and Database Design

Nadia Ristiani, Nur Saida, Rahmat Noor Fauzi, Helmy Yusuf Darmawan, Agung Sanubari, Prihatin

Parallel Session 2-K

BreakoutRoom K

Chair: Dhani Ariatmanto

24 GHz FMCW Radar for Non-Contact Respiratory Detection

Yuyu Wahyu, [Riyani Jana Yanti](#), Suisbiyanto Prasetya, B. Berlian Surya Wicaksana, Bagus Edy Sukoco, Fildha Ridhia and Aloysius Adya Pramudita
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HEAT Routing Algorithm for Multi-hop Communication in IoT-enabled LoRa-based Wireless Mesh Networks

[Hoang-Kha Huynh](#) and Hoang-Anh Pham
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Priority Based Automatic Electrical Load Control for the Prevention of Electrical Overload in Household Installations

Sitti Amallia Suhandini, Asep Suhendi, Linahtadiya Andiani, [Shindi Marlina Oktaviani](#) and Inka Purnama Sari
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Improvement Of E-Nose Sensor Signal Using Mva, Fft, Dwt Methods On Pineapple Fruit Maturity

[Mhd Arief Hasan](#), [Riyanarto Sarno](#) and [M Syauqi Hanif Ardani](#)
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Towards Autonomous Robot Application and Human Pose Detection for Elders Monitoring

[Handy Wicaksono](#), Indar Sugiarto, Petrus Santoso, Glenn Ricardo and Jason Halim
pp. 772-776

Doppler Ultrasound Sense Performance for Cardiotography (CTG) Fetal Baby Heartbeat Detector Using Arduino Mega Pro Mini

[Subono Subono](#), Alfin Hidayat, Vivien Arief Wardhany, Ika Noer Syamsiana and Galang Sandy Prayogo
pp. 777-780

A Low-Cost IoT System for Monitoring Air Quality in Indoor Working Places

[Nur Uddin](#), Surya Gunanta Tarigan and Khalid Abdul Mannan
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Tuesday, December 13 2:30 - 3:00

Break

Chair: Ria Andriani