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Soeharwinto is a lecturer in Electrical Engineering at Universitas Sumatera Utara. He completed a Master's Program in Electrical Engineering at the Faculty of Industrial Technology of ITB in 1998.

Publications

2026
Prosiding seminar internasional
Implementation of Speech Recognition and Face Detection in a Student Service Information System
TIGOR HAMONANGAN NASUTION , FAHMI , SOEHARWINTO , AMALIA , MUHAMMAD IRFAN YUSUF , Hasanul Fahmi

2025
Prosiding seminar internasional
A Study of Spectrogram-based Convolutional Neural Network for Jamming Attack Detection in IEEE 802.11 WLANs
SYAHRIL EFENDI , FAHMI , MOHAMMAD ANDRI BUDIMAN , SOEHARWINTO

2025
Jurnal internasional bereputasi
Bike Fitting System Based on Digital Image Processing on Road Bike
TIGOR HAMONANGAN NASUTION , SOEHARWINTO , ANDREAS SITOHANG , SENIMAN

2024
Prosiding seminar internasional
Monitoring and Control System Design Smart Greenhouse Environmental Conditions in Strawberry Cultivation
KASMIR TANDJUNG , SOEHARWINTO , NAEMAH MUBARAKAH

2023
Prosiding seminar internasional
Design of Automatic Guitar Tuner using 8-bit Microcontroller
SOEHARWINTO , TIGOR HAMONANGAN NASUTION , FAHMI , LONGSER TAMPUBOLON

2023
Jurnal internasional bereputasi
Dynamic voltage restorer quality improvement analysis using particle swarm optimization and artificial neural networks for voltage sag mitigation
NAEMAH MUBARAKAH , YULIANTA SIREGAR , MAULAYA MUHAMMAD , RISWAN DINZI , SOEHARWINTO

2023
Jurnal internasional bereputasi
Electrostatic precipitator design with wire-cylinder electrodes as a particulate matter reduction
YULIANTA SIREGAR , Bio Debataraja , RISWAN DINZI , NAEMAH MUBARAKAH , SOEHARWINTO

2022
Tulisan ilmiah
Prototype An ESP32-Based Room Humidity and Temperature Controller With

IoT

SOEHARWINTO , NAEMAH MUBARAKAH

2021
Prosiding seminar internasional

Re-programming Electronic Control Unit for Increase Torque and Power a Motorcycle

SOEHARWINTO , IDHAM KAMIL , FERRY FACHRIZAL

2021
Tulisan ilmiah

Impact humidity monitoring based watering to planted tomatoes

SOEHARWINTO

2020
Prosiding seminar internasional

Software engineering taxonomy reviews

SOEHARWINTO , NAEMAH MUBARAKAH

2020
Tulisan ilmiah

Software engineering taxonomy reviews

SOEHARWINTO

2020
Tulisan ilmiah

User experience study on crane operator erection simulator using senso glove in a virtual reality environment

SOEHARWINTO , FAHMI , PAUZI IBRAHIM NAINGGOLAN , BAIHAQI SIREGAR , MUHAMMAD ZARLIS

2020
Tulisan ilmiah

Node-based versus Server-based Data Validations in Internet of Things

SOEHARWINTO

2020
Prosiding seminar internasional

Node-based versus Server-based Data Validations in Internet of Things

SUHERMAN , SOEHARWINTO , NAEMAH MUBARAKAH

2020
Tulisan ilmiah

Node-based versus Server-based Data Validations in Internet of Things Node-based versus Server-based Data Validations in Internet of Things

SUHERMAN , SOEHARWINTO , NAEMAH MUBARAKAH

2019
Jurnal internasional bereputasi

Smart Home Security Design Applying One Time PAD Algorithm

SOEHARWINTO , NAEMAH MUBARAKAH , SYAHRIL EFENDI , GUNAWAN , ARIF RIDHO LUBIS , DENY JOLLYTA

2019
Prosiding seminar internasional

Evaluation of Proximate Composition and Color of Rabbit Feed with Combinations Moringa Leaves Flour and Guava Leaves Flour

MOHAMMAD BASYUNI , HIMSAR AMBARITA , NURZAINAH GINTING , SOEHARWINTO , ZAHARI ZEN

2019
Prosiding seminar internasional

Designing an IoT system for monitoring and controlling temperature and humidity in mushroom cultivation fields

SOEHARWINTO , TIGOR HAMONANGAN NASUTION , FAHMI , MUHAMMAD YASIR

2019
Prosiding seminar internasional

Benchmarking of Wireless Microcontroller-based Three Phase Multi Meter

with Industrial Standard Instrument

SOEHARWINTO , TIGOR HAMONANGAN NASUTION , STIF AGRATH , Zulkarnaen Pane

2019
Tulisan ilmiah

Fiber Optic Trainer for Link Budget Measurement Tool in Optical Communication System

SOEHARWINTO , NAEMAH MUBARAKAH

2019
Tulisan ilmiah

Fiber Optic Trainer for Link Budget Measurement Tool in Optical Communication System

SOEHARWINTO

2019
Tulisan ilmiah

Smart Home Security Design Applying One Time PAD Algorithm

SOEHARWINTO , NAEMAH MUBARAKAH

2018
Tulisan ilmiah

Automatic coffee roaster design using Arduino

SOEHARWINTO , TIGOR HAMONANGAN NASUTION , FAHMI , IKHSAN SIREGAR , AGUSTINUS PUTRAMAS

2018
Prosiding seminar internasional

Inventory and projection of greenhouse gases emissions for Sumatera Utara Province

SOEHARWINTO , HIMSAR AMBARITA , NURZAINAH GINTING , MOHAMMAD BASYUNI , ZAHARI ZEN

2018
Prosiding seminar internasional

lnventory and Projection of Greenhouse Gases Emissions for Sumatera Utara Province

HIMSAR AMBARITA , NURZAINAH GINTING , ZAHARI ZEN , SOEHARWINTO

2018
Tulisan ilmiah

Design of river height and speed monitoring system by using Arduino

SOEHARWINTO , TIGOR HAMONANGAN NASUTION , ESRA CHRISTIAN , Kasmir Tanjung

2017
Prosiding seminar internasional

Power meter monitoring for home appliances based on mobile data communication

SOEHARWINTO , BAIHAQI SIREGAR , ULFI ANDAYANI , MUHAMMAD FADLAN ARISKA

2013
Tulisan ilmiah

MPLS Traffic Engineering on Tera Router Network using DWDM Transport Technology: a Study on Telkom’s Speedy Traffic

SOEHARWINTO

Community Services

2021

Pelatihan Pembuatan Robot Surveillance pada Siswa SMK

SOEHARWINTO , TIGOR HAMONANGAN NASUTION , AINUL HIZRIADI , FAHMI , FARHAN IDDHA , Kurnia Agung Syahputra