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Emerson Pascawira Sinulingga, S.T., M.Sc., Ph.D. was born in Medan on March 30, 1977. He is an Electrical lecturer at the Universitas Sumatera Utara. He completed his Doctor of Philosophy in Electrical and Electronic Engineering at the Department of Electrical & Electronic Engineering, the School of Engineering, the University of Manchester, UK in 2014.

Publications

2024

Jurnal internasional bereputasi

Compact 3D monolithic microwave integrated circuit bandpass filter based on meander resonator for 5G millimeter-wave

EMERSON PASCAWIRA SINULINGGA

2011

Artikel ilmiah

Wideband 3D coplanar waveguide to thin-film microstrip transition in multilayer technology

EMERSON PASCAWIRA SINULINGGA

2019

Jurnal nasional terakreditasi

3D Modeling Parallel Coupled-Line Bandpass Filter Based on Coplanar Waveguide MMIC Multilayer Technology

EMERSON PASCAWIRA SINULINGGA , SUHERMAN

2025

Jurnal internasional bereputasi

SAVITZKY-GOLAY AND WIENER FILTERING PERFORMANCE ANALYSIS IN ELECTROENCEPHALOGRAPHY SIGNAL PROCESSING OF AUTISTIC CHILDREN

EMERSON PASCAWIRA SINULINGGA

2021

Prosiding seminar internasional

Design of Geothermal and Solar Hybrid Renewable Energy in Sipoholon Village, North Tapanuli Regency, North Sumatera

EMERSON PASCAWIRA SINULINGGA , SUHERMAN , YULIANTA SIREGAR

2023

Prosiding seminar internasional

Metal Insulator Metal Capacitors, Spiral Inductors and Resistors for Multilayer CPW MMIC

EMERSON PASCAWIRA SINULINGGA

2025

Prosiding seminar internasional

The Influence of Soil Two-Layer Structures on Substation Safety in Lightning Strike Conditions

2024

Prosiding seminar internasional

Innovative Portable Quantitative EEG Data Acquisition Based Cyton Biosensing Board using PSD Analysis

EMERSON PASCAWIRA SINULINGGA , FAHMI , MELINDA , PRIMA DEWI PURNAMASARI , Imam Ashabul Yamin

2025

Prosiding seminar internasional

Wearable Microstrip Patch Antenna to Develop Wireless Body Area Network for Electroencephalogram (EEG) Application

EMERSON PASCAWIRA SINULINGGA , FAHMI , MELINDA , PRIMA DEWI PURNAMASARI , GLORI MARIANI SILITONGA , Abdul Risyal Nasution

2020

Prosiding seminar internasional

LTE soft handover based on hysteresis and threshold combination

EMERSON PASCAWIRA SINULINGGA , MAKSUM PINEM , SUHERMAN

2025

Jurnal internasional bereputasi

A comprehensive EEG dataset and performance assessment for Autism Spectrum Disorder

PRIMA DEWI PURNAMASARI , MELINDA , FAHMI , EMERSON PASCAWIRA SINULINGGA , YUWALDI AWAY , YUNIDAR

2025

Prosiding seminar internasional

Alcoholic EEG Signal Feature Extraction Based on Relative Wavelet Bispectrum and Bispectrum-Gaussian Using CNN and ANN Classifier

EMERSON PASCAWIRA SINULINGGA , FAHMI , PRIMA DEWI PURNAMASARI , ANAK AGUNG PUTRI RATNA , MELINDA

2023

Prosiding seminar internasional

Analysis of soil resistivity improvement with variations of bentonite and chemical for grounding of electrical equipment

SURYA HARDI , EMERSON PASCAWIRA SINULINGGA

2021

Prosiding seminar internasional

Diagnosis of Transformer Isolation Using Dielectric Dissipation Factor (Tan Delta) and Insulation Resistance: A Review Study

EMERSON PASCAWIRA SINULINGGA , HARYOTO PRASETYO NUGROHO , AZWAR NASUTION , Syafruddin Hasan

2023

Prosiding seminar internasional

3dB Wilkinson Power Divider Using Monolithic Microwave Integrated Circuit Technology

SURYA HARDI , ANDREAS JUAN DANIEL SIMORANGKIR , EMERSON PASCAWIRA SINULINGGA

2021

Prosiding seminar internasional

Grounding Systems in High Voltage Substation by Analysis Optimization Design (Case Study : 150kV Tapak Tuan Substation)

SUHERMAN , YULIANTA SIREGAR , EMERSON PASCAWIRA SINULINGGA

2026

Prosiding seminar internasional

Design of a Low-Noise Amplifier for 2.4 GHz Wi-Fi Positioning Using 45 nm CMOS Technology

EMERSON PASCAWIRA SINULINGGA , SUHERMAN , RYADH AL ARIZ BANGSAWAN PUTRA RAMBE , M YAVI RACHMAN , Abdul Risyal Nasution

Researches

2025

Penelitian Fundamental

Desain dan Pengembangan Modul Low Noise Amplifier Untuk Aplikasi Wifi Pada Frekuensi 2.4 GHz

SUHERMAN , EMERSON PASCAWIRA SINULINGGA , PRAMIO GARSON SEMBIRING IR

Community Services

2023

Ipteks Bagi Masyarakat

Pelatihan Desain Robot Beroda Pada Siswa SMA Negeri 1 Sidikalang

SOEHARWINTO , TIGOR HAMONANGAN NASUTION , EMERSON PASCAWIRA SINULINGGA , FAHMI , KASMIR TANDJUNG
