

## Official List of Abstracts Accepted to the 7th ERDT Congress Poster Competition

NO.	NAME OF CORRESPONDING AUTHOR	TITLE OF ABSTRACT
1	Abad, Raymund Paolo	Identifying Factors Affecting Behavior of metro Manila Travelers During Flood Events
2	Abad, Rosalinda	Design, Fabrication and Performance Evaluation of a Hand Tractor Driven Potato ( <i>Solanum tuberosum L.</i> ) Harvester
3	Abao, Roland	Design, Development and Evaluation of FOODGO: A Mobile Application Using Situated Analytics
4	Abon, John	Rice Straw Carbonizer for Biochar Production
5	Agapito, Jenilyn	Designing an Intervention for Novice Programmers Based on Meaningful Gamification: An Expert Evaluation
6	Alcala, Mark Paulo	Comparison of Daily Rainfall from Numerical Weather Predictions and GAUGED Observations from PAGASA in Selected Philippine Watersheds
7	Aleluya, Earl Ryan	Faceture ID: Face and Hand Gesture Multi-Factor Authentication Using Deep Learning
8	Amado, Timothy	Development of Machine Learning-Based Predictive Models for Wireless Indoor Localization Application with Feature Ranking Via Recursive Feature Elimination Algorithm
9	Ang, Daniel Laurence	Road Capacity Imbalance at Exit Points of the Metro Manila Skyway and Adjoining Roads
10	Apag, Disederio	Kinematic Analysis of an Intelligent Lighting System
11	Arenas, Rogelio	Credenceledger: A Permissioned Blockchain for Verifiable Academic Credentials
12	Bacani, Raniell	Sign Language Recognition Using Leap Motion and Deep Learning
13	Bacero, Riches	Strategic Route Planning of Truck Traffic in Metro Manila
14	Balangao, Jeffrey Ken	The Physical and Chemical Characteristics of Fly Ash Obtained from Villanueva, Misamis Oriental
15	Chiu, Glenn	Design and Analysis of Agitator Types in a Pressurized Batch Reactor for In-Situ Transesterification
16	Choo, Beatris Mariell	Use of Chatbot as an Mhealth Application in Motivating Users to Meet Dietary Goals
17	Choy, Matthew	Modeling of Tree-Crop Patterns in Agroforestry Farms Through Data Mining
18	Dela Cruz, Catherine	Wind Resource Assessment in Daet, Camarines Norte, Philippines: Potential for Small-Scale Wind Turbines
19	Dominguez, Erickson	Small-Scale Demucilager Machine for Arabica Coffee ( <i>Coffea arabica</i> )
20	Fenangad, DB	Effect of Different Grow Room Temperatures on the Growth, Yield and Quality of Romaine Lettuce ( <i>Lactuca sativa L.</i> ) in an Indoor Farming System
21	Fernandez, Ryan	Automating Heuristic Evaluation of Website Interfaces Using Convolutional Neural Networks
22	Galad, Marlon	Design, Fabrication and Performance Evaluation of a Substrate Maker for Mushroom Production
23	Jabile, Leixl	Structural, Crystallographic and Morphological Properties of Microwave-Assisted Growth of Nano-Apatite Powders
24	Jimenez, JP	Sustainability Assessment of Hand-Dug Wells
25	Kwok, Malcolm	CMOS Design of a Low Voltage AC-DC Switched-Mode Power Supply for Energy Harvesting Applications
26	Lao, Selwyn	Automated Organic Fertigation System for Smart Farm
27	Lim, Hadrian Paulo	Microscopic Fusarium Detection and Analyses with Convolutional Neural Networks
28	Lim, Nino	Design Criteria Assessment for Ball Grid Array Semiconductor Packaging Based on Thermomechanical Simulation and Crack Analysis

29	Luta, Raphael Benedict	Multi-Label Classification of PH Levels Using Intelligent Systems
30	Maandal, Gerard	Techno-Economic Assessment of Offshore Wind Energy in the Philippines
31	Madria, Wira	Factors to Consider in the Design of Plastic Packaging Intended for Reuse of Consumers
32	Malana, Mary Grace	Roadside Air Quality Estimation System Using Vehicular Traffic and Meteorological Conditions
33	Marquez, Jazmine Aiya	Optimizing Thin-Film Composite Polyamide Membranes Using Cosolvent Assisted Interfacial Polymerization on PVDF Hollow Fiber Supports for Butanol Dehydration via Pervaporation
34	Martias, Angelo	Applying Machine Learning Techniques for Mobile Image Enhancement
35	Miguel, Angelimarie	An Adoption Model of Modern Rice Technologies in the Philippines: System Dynamics Approach
36	Mina, Teresa	Effect of Enzyme Treatment on the Properties of Karagumoy Fiber-reinforced Plastic Composite
37	Muega, Sherwin	Comparative Analysis of Carbon Dots from Bamboo, Coconut and Mahogany Wood for Copper (II) Ion Detection
38	Ong, Anthony	A Monitoring of Distributed Energy Resource (DER) Using Off-Grid Solar Power System for Smart Farm
39	Pacis, Danica	Tensile Strength Prediction of Polyethylene Terephthalate (PET) Bottle Ropes Using Adaptive Neuro-Fuzzy Inference Systems (ANFIS)
40	Pongcol, Daryl	CloudII - A Raspberry Pi Server for Multiple Midi Sources
41	Rivera, Diana Rose	LifeCycle Assessment of Torried Microalgae Biomass: Thermochemical Processing Through Torrefaction
42	Rodriguez, Fatima	Near Infrared Spectroscopy for the Detection of Chlorpyrifos Pesticide
43	Roquel, Krister	Inter-Regional Logistics Optimization in the Philippine Greater Capital Region
44	Roxas, Edison	Vision-Based Target Detection and Classification Using Modified Scale and Rotation Invariant Technique for Dynamic Agent
45	Santiago, Robert Martin	Analysis on Factors Determining Solar Radiation Resource for the Design of Photovoltaic Systems
46	Semilla, Mary Grace	Controlled Environment Agriculture in the Philippines: Pilot-Testing a Completely Indoor Cultivation
47	Serrano, Fae	Development of Multi-Object Tracking Through Multi-View Vision Using Deep Learning with Android Application: A Road Surveillance System
48	Soliman, Jimwell	Assessing the Energy Security Cost of the Transport Sector
49	Subido, Edwin	Cobb Angle Measurement on Posteroanterior Chest Radiographs Using Computer Vision
50	Tan, Johansson	Multiple-Image Super-Resolution on Mobile Devices: A GPU-Enabled Approach with Robust Image Alignment
51	Tapiador, Jed	Sensitivity Analysis of Permanent Magnet Direct-Drive Wind Turbine Generator
52	Uy, Erica	Estimation of Strain Parameter-Triggering Liquefaction Using Non-Contact Measurement
53	Valenzuela, Ira	Optimization of Phosynthetic Rate Parameters Using Adaptive Neuro-Fuzzy Interference System (ANFIS)
54	Villanueva, Lolit	Neuro-Fuzzy Sensitivity Assignments for IP Access Points - An Improved Wireless Control of IP Based Mobile Robot
55	Villaroman, Cresan	Atmometer-Based Irrigation Scheduling System for Drip Irrigated Onion
56	Zoleta, Joshua	CeO <sub>2</sub> -Dolomite as Fire Retardant Fillers on the Conventional Intumescent Coating in Steel Substrate

--- NOTHING FOLLOWS---