九州大学学術情報リポジトリ Kyushu University Institutional Repository

[008]Proceedings and Program: International Exchange and Innovation Conference on Engineering & Science: IEICES 2022

https://hdl.handle.net/2324/5909047

出版情報:Proceedings of International Exchange and Innovation Conference on Engineering & Sciences (IEICES). 8, 2022-10-20. Interdisciplinary Graduate School of Engineering Sciences, Kyushu University

バージョン:

権利関係: Copyright © 2022 IEICES/Kyushu University. All rights reserved.



List of the Presented Manuscripts

85 papers were submitted before the submission deadline. **79** papers were accepted after the reviews. Finally, **77** papers were presented in the conference. According to the IEICES 2022 policies, only the presented papers were mentioned in the manuscripts. Hereby, **70** papers were listed. It's pity that **7** papers were withdrawn by the authors after, they were presented in the conference.

Page	Paper & Autor(s)	ID
1 – 6	Analysis of the different maximum power point tracking strategies in a load-connected photovoltaic system Zhao Yuhan and Hooman Farzaneh	009
7 – 12	Demand Elasticity Estimation from the Japanese National Electricity Grid Considering Wholesale Market Price Mohamed Saad Suliman and Hooman Farzaneh	010
13 – 18	Techno-Economic Analysis of on Grid PV Power System for Vocational Training Institute Baluchistan, Pakistan to Reduce the Cost of Energy Nabeel Ul Rehman and Hooman Farazaneh	020
19 – 24	Modeling and prediction of the achievement level with related goals for SDG 11: Sustainable Cities and Communities Venkatesh Baskaran, R Velkennedy, S Murugan, Ga Theerumalai	050
25 – 30	Estimating Ground Elevation using Borehole Information: A Case of Metro Manila, Philippines Joenel Galupino and Jonathan Dungca	029
31 – 37	Environmental and Economical Evaluation of Natural Gas Vehicles Promotion Program in The City of Baghdad Rudha Khudhair and Yonghun Jung	003
38 – 43	Comparison of prioritization of pedestrianization warrants among transport professionals- an initial assessment in Metro Manila Paolo Ian Lucero, Gyan Louie Gloriani, Fernando Miguel Lozano, Janine Lois Molina, Miguel Lorenzo Ondevilla	047
44 – 51	The RFID Electronic Tag Defect Detection System Based on YOLOv5 For Industrial Scenarios Jingyu Zhou, Zhaodong Ding, Guanghui Du, Shuangshuang Zhao, Tetsuya Furukawa, Ke Lu	040
52 – 61	A mini-Review on Transportation and Fate of Silver Nanoparticles Released from Consumer Products: Ecological Risk Assessments Islam M. Radwan and Osama Eljamal	008
62 – 67	Effect of water matrix on ligand-assisted adsorption of ciprofloxacin from aqueous solutions by zerovalent iron nanoparticles Omar Falyouna, Ibrahim Maamoun, Mohd Faizul Idham, Osama Eljamal	030
68 – 75	CNT based nanomaterials for food industry: a review Kristi Priya Choudhury, Tahzib Ibrahim Protik, Newton Neogi, Sabbir Hossain Nipu	028
76 – 83	Mixed convection flow and heat transfer of Biomagnetic fluid with magnetic/non-magnetic particles due to a stretched cylinder in the presence of a magnetic dipole	001

		1
	Jahangir Alam, M.G. Murtaza, E.E. Tzirtzilakis, M. Ferdows	
84 – 89	An entirely solar-powered hybrid thermal-membrane desalination system integrated with Solar heaters and preheating technique Swellam W. Sharshir, Mahmoud Seif Eldin1, A. E. Kabeel, Mofreh H. Hamed, H.F. Abosheiasha, A. W. Kandeal	082
90 – 95	Simulation Study on the Wet-bulb Humidification-Dehumidification Cycle for Desalination Hafiz Muhammad Asfahan and Muhammad Sultan	063
96 – 102	Design and Development of Solar Dryer for Local Seaweeds (<i>Kappaphycus spp.</i>) Jack O. Bertulfo, Alvie A. Roluna, Joey G. Carillo, Lord Boy C. Silong	019
96 – 107	Assessment of the Physical and Mechanical Properties of Indigenous Agro-Waste Materials from Southern Nigeria for the Production of Composite Particleboards for Sustainable Building Materials Pamilerin Sanni, Babatunde Olatunbosun, Godwin Anukan, Sylvanus Udoh, HARFIZ SALISU	015
108 – 113	The Geyser Type Mud Volcano Eruption in Sidoarjo, East Java Indonesia Adjat Sudradjat, Ildrem Syafri, M. Burhannudinnur, Karyono	006
114 – 121	Performance Measurement using DEA-Multipliers Method: A Case Study of Clean Water Companies in Indonesia <u>Erni Puspanantasari Putri</u>	073
122 – 127	Energy Harvesting from Highway Traffic Vehicles Movement via VAWT Shoel Rana, Biplob Roy, Bidyut Baran Saha, Sampad Ghosh	049
128 – 133	The Effects of Rubber Keys' Structure and its Packaging Tape on Automatic Assembly of Rubber Key in PCB Holes Md Saiful Islam and Xiaosong MA	059
134 – 140	Mathematical Modelling and Thin-Layer Drying of Sago Starch Using Infrared Dryer Jack O. Bertulfo, Pia Threcia Marie B. Butao, Jona M. Sordilla	023
141 – 146	Evaluate the possibility of adsorption heat pump application using Activate Carbon and Freon refrigerant pairs Seo Sang won, Frantisek Miksik, Kyaw Thu, Miyazaki Takahiko	076
147 – 154	Investigating vaccination behavior and disease dynamics of a time-delayed two strain epidemic model: An evolutionary approach Md. Mamun-Ur-Rashid Khan, Md. Rajib Arefin, Jun Tanimoto	012
155 – 160	Comparative study of micro hydro model systems for powering the subvillage of Tulaun Lalumpe Minahasa of North Sulawesi province, Indonesia Meita Rumbayan, Rilya Rumbayan, Christy Pasiowan, Stefi Elkana, Naomi V Panjaitan	070
161 – 168	Advances with Metal Organic Framework based nanomaterials in 4 th industrial revolution Sabbir Hossain Nipu, Newton Neogi, Kristi Priya Choudhury	033
169 – 175	Multi-Classification of Brain MRI Tumor Using ConVGXNet, ConResXNet, and ConIncXNet Hafiza Akter Munira and Md. Saiful Islam	005

	-	
176 – 182	Characterization of Mechanized Farming Operations in Butuan City, Philippines	055
	Neil Caesar M. Tado and Reca S. Bautista	
183 – 188	Numerical Simulation of Highly Efficient Lead-free MAGeI3 Based Perovskite Solar Cell for Various ETL and HTL Layers	011
	Farjana Akter Jhuma, Mohammad Junaebur Rashid, Sharnali Islam	
	Study on prefabrication method for housing in Indonesia by utilization	
189 – 195	undegradable waste for building materials	077
	Siswanti Zuraida, Bart Dewancker, Romi Bramantyo Margono, Muhammad Arief	
	Irfan, Anjar Primasetra	
106 200	Linear stability analysis of an improved car-following model considering	013
196 – 200	vehicle's inertia effect Zehua Si, Md. Anowar Hossain, Jun Tanimoto	013
_		-
201 206	LEED I(E) analysis of pseudomorphic Fe (111) on Ru (0001) surface and oxygen adsorption structure	014
201 – 200	Dhiman Banik, Yuka Nagamatsu, Tomoya Jimba and Takeshi Nakagawa	014
	An investigation on the behavior of the torch flame in the LBGE combustion	
207 – 214		017
207 211	Elsayed Abdelhameed and Hiroshi Tashima	02.
	Low Emission Scenarios Analysis in the Urban Transportation in Dhaka,	
215 - 220	Bangladesh	026
	Farhana Nur Rahman and Hooman Farzaneh	
	A mini overview of miscellaneous uses of TiO2 based nanomaterials	
221 - 227	Kristi Priya Choudhury, Newton Neogi, Sabbir Hossain Nipu, Tahzib Ibrahim	074
	Protik	
	Guiding center orbit simulation of energetic particles in tokamak plasma	
228 - 233	Yunfei Wang, Kazuaki Hanada, Youjun Hu, Kaiyang He, Haiqing Liu, Jinping	021
	Qian, Xiang Gao, and Yinxian Jie	
	Evaluating the Social and Psychological Factors about the Public Acceptance	
234 - 238	of Treated Wastewater Reuse: A Review	022
	Bipasha Singha and Osama Eljamal	
220 245	Recent Advances in Reinforcement Learning Applications for Building	024
239 – 245	Energy Management: A Mini Review.	024
	Ayas Shaqour and Aya Hagishima	
246 252	Application of Organic Photodetectors (OPD) in Photoplethysmography	025
246 – 252	(PPG) Sensors: A small review Farjana Akter Jhuma, Reiji Hattori	025
253 - 258	Parametric analysis of a counter-flow dew point evaporative cooler Lao Marco, Kyaw Thu, Takahiko Miyazaki	069
_		-
	Application of Computational Fluid Dynamics in Examining the Filtration Efficacy of Fine and Coarse Particles in a Baffle Integrated-Vertical	
259 – 264	Ventilation Duct	072
207 204	<u>Chau Hoang Bao,</u> Le Tan Dat, Nguyen Dang Khoa, Hua Minh Quang, Tran	
	Huynh Chieu, Nguyen Lu Phuong	
	Development and Characterization of Briquettes made from Unsalable	036
265 - 270	Banana Peel Wastes: A Preliminary Evaluation	036

	Kenneth N. Sindol, Andrea Suzette T. Gadat, Joan Jane J. Sanchez, Philip Donald C. Sanchez	
271 – 277	Occupant's thermal preference diversity in residential air-conditioning use: A study in Osaka, Japan Jiajun Lyu and Aya Hagishima	054
278 – 284	Measurement of Interfacial Thermal Resistance at Microstructured Si-water Interface Using Steady State Method Yankun Yu and Gyoko Nagayama	060
285 – 290	Thermodynamic Analysis and Optimization of Helium Ericsson Power Cycle: A Novel Model for Pseudo-isothermal Compression and Expansion Mojtaba Purjam, Kyaw Thu, Takahiko Miyazaki	064
291 – 296	The role of coated nanoscale zero-valent iron with magnesium hydroxide in improving methane production during the anaerobic digestion of waste sludge Ramadan ELjamal, Ibrahim Maamoun, Mohd Faizul Idham, Osama Eljamal	066
297 – 302	Energy Efficiency Reality with Reference to the Residential Sector in Uganda Denis Mutebi and Kyaw Thu	067
303 – 310	Design, Fabrication, and Performance Evaluation of Sago (Metroxylon sagu Rottb.) Starch Extractor Aljon E. Bocobo, Juliet R. Maureal, Anamarie P. Sajonia	053
311 – 316	Co-Benefits of replacing personal motorized transport with active transportation under different scenarios in Delhi (India) Tavoos Hassan Bhat and Hooman FarzanehJapan	018
317 – 322	ANALYSIS OF GLYCEROL IN NIPA (Nypa fruticans Wurmb.) KERNEL EXTRACT (NKE) USING HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC) Mario Dario L. Berdolaga Jr.	002
323 – 329	Utilization of ZIF based nanomaterials for clean environment purposes Newton Neogi, Kristi Priya Choudhury, Sabbir Hossain Nipu, Tahzib Ibrahim Protik	075
330 – 334	A Mini Review of Organically Bound Tritium in The Environment Portuphy Michael Ofotsu and Katayama Kazunari	039
335 – 339	Properties of ZnO and Zn Nanoparticles Produced by Electrical Discharge in Liquid Method Alimzhan Kalbekov and Emil Omurzak	041
340 – 346	Antibiotics Removal from Aqueous Environments: A Mini Review on Graphene Oxide-based Nanomaterials Application Mohd Faizul Idhama, Omar Falyouna, Ramadan Eljamal, Ibrahim Maamoun, Osama Eljamal	042
347 – 353	Design, Fabrication, and Performance Evaluation of Village-Type Coconut Coir Dust Compacting Machine Art M. Dalman, Mercedith D. Bagtilay, Neil Caesar M. Tado	065
354 – 359	Present Situations of Dust Storms in Iran for Seeking Numerical Predictions Leila Mahmoudi and Naoki Ikegaya	046
360 - 365	UTILIZATION AND EVALUATION OF RICE HUSK ASH AND	056

	COCONUT SHELL ASH AS PARTIAL CEMENT REPLACEMENT FOR	
	CONCRETE HOLLOW BLOCKS PRODUCTION May Page Page 10 Septem Control Address Propulation American Control Address Propulation American Control C	
	May Rose Boston-Osoteo, Aldwin Jason B. Pontillo, Arnold G. Apdohan	
366 – 372	Numerical Investigation of Fine particle Transportation and Deposition in the Human Lower Airway: Impact of airflow and particle size on deposition efficiency Nguyen Dang Khoa, Nguyen Lu Phuong, Kazuhide Ito	034
373 – 379	Catalytic Activity and Kinetic Studies of Core@Shell Nanostructure Cu/Zn Ferrite /Al ₂ O ₃ , CuO for Degradation of Para-Nitro Phenol Sannan Salabat Butt and Erum Pervaiz	037
380 – 385	A mini review on a study of Helium behavior for fusion reactor development Pakkapawn Prapan	045
386 – 393	A Two-model Automatic Towel Defect Detection Method Based on YOLOv5 Zhaodong Ding, Jingyu Zhou, Guanghui Du, Shuangshuang Zhao, Tetsuya Furukawa, Ke Lu	057
394 – 399	Laminar Flow Analysis of NACA 4412 Airfoil Through ANSYS Fluent M. Shehzad Arif, M. Javaid Afzal, Farah Javaid, Shahzadi Tayyaba, M. Waseem Ashraf, G. F. Ishraque Toki, M. Khalid Hossain	079
400 – 406	Deep Learning-based Image Recognition for Disaster Prevention Application Jye-Hwang Lo, Lee-Kuo Lin, Hung-po Cheng, Chu-Chun Hung	035
407 – 411	Investigation of Land Cover Change in Kahramanmaras Province (Turkey) Erdi Ekren	038
412 – 418	Service area determination of fire stations in an urban setting through a GIS-based multi-criteria analysis: the case of Quezon City, Philippines Chester Cruz, Tian Ruy Ong, Mathew Harvey Peralta	044
419 – 425	Heat Transfer Analysis of Al ₂ O ₃ Nanoparticles Nazim Ali, M. Javaid Afzal, Farah Javaid, Shahzadi Tayyaba, M. Waseem Ashraf, G. F. Ishraque Toki, M. Khalid Hossain	080
426 – 431	Application of Magnetotelluric Geophysical Technique to Study the Subsurface Structural Setting in Marsa Alam, Eastern Desert, Egypt Ahmed Khalil and Osama Eljamal	027
432 – 437	On the Multivariate Regression Modeling for Performance Prediction of Dew-point Evaporative Desalination System Muhammad Imran Haider, Hafiz Muhammad Asfahan, Muhammad Sultan	071
438 – 443	The Risk Assessment Management of Disaster Prevention on Roads <u>Chun Chen</u> and Lee-Kuo Lin	048
444 – 450	ANSYS simulation of Temperature of Cooling System in Li-ion Battery Zia ul Qasmi, M. Javaid Afzal, M. Tariq Nadeem, Farah Javaid, Shahzadi Tayyaba, M. Waseem Ashraf, G. F. Ishraque Toki, M. Khalid Hossain	081
451 – 456	Catalytic Converter Simulation for Pressure and Velocity Measurement Muhammad Sufian, M. Javaid Afzal, Farah Javaid, Shahzadi Tayyaba, M. Waseem Ashraf, G. F. Ishraque Toki, M. Khalid Hossain	078