



ICERA 2023



2nd International Conference on Engineering Research and Application 2023
ICERA 2023
24-26 May 2023
Bangkok, Thailand

May 25, 2023	Venue:	0800 - 0830	Registration	
	Venue:	0830 – 0845	Opening Remarks	Opening Remarks
		0845 – 0945	Plenary Speech 1	Keynote Speaker
		0945 – 1015	Group Photo and Coffee Break	
	Venue:	1030 – 1230	Session 1	
	Venue:	1230 – 1330	Lunch	
	Venue:	1330 – 1530	Session 2	
	Venue:	1330 - 1530	Session 3	
May 26, 2023	Lobby hotel	0800 - 1200	Networking	



Session 1
Time: 1030-1230
Venue:
Session Chair:



No	Paper ID	Presenter
1	005-icera	Historical Structure Design Method Trough Data Analysis and Soft Programming Makhmud Kharun, Mohammad Hematibahar and Alireza Esparham <i>Moscow State University of Civil Engineering, Moscow, Russia</i>
2	002-icera	Development of Welding Fumes Extractor and Air Purifier for Safety and Risk Reduction Johnnie P. Santos <i>Don Bosco Technical Institute of Makati, TVET Department, Makati City, Philippines</i>
3	011-icera	Effect of printing parameters on surface roughness and mechanical properties of wire arc additive manufactured carbon steel M. Hietala, T. Rautio, M. Keskitalo and A. Järvenpää <i>University of Oulu, Finland</i>
4	034-icera	Delay in Construction and Failure Mitigation Plan Diyana Syafiqah Binti Abd Razak and Sarvesh A/L Gobi Nath <i>Heriot-Watt University Malaysia, Malaysia.</i>
5	007-icera	Tools Selection for Townhouse Demolition in Bangkok: Environmental Impact Analysis E. Bamisaye and T. Chinda <i>Thammasat University, Thailand</i>
6	003-icera	1D Steady Flow Flood Modeling of Bacoor River using LiDAR Digital Elevation Model Kirson Maynard E. Nodado and Federico B. dela Peña <i>Mapúa University, Muralla St. Intramuros, Manila 1002 Philippines</i>
7	012-icera	Fatigue strength and mechanical properties of laser welded wire arc additive manufactured (WAAM) 316L butt joints M. Hietala, T. Rautio, M. Keskitalo, M. Jaskari and A. Järvenpää <i>University of Oulu, Finland</i>
8	022-icera- jesr	Smart and Safe Mock-up Design in Electrical Installation Training John Dave Gopez <i>Don Bosco Technical Institute-Makati Inc., Chino Roces Ave, Makati, 1230 Metro Manila</i>



Session 2
Time: 1330-1530
Venue:
Session Chair:



No	Paper ID	Presenter
1	017-icera	Investigation of Bonding Behaviour of Grouted Bar Connection Using Pull-Out Test M. R. Md Zain, C. L. Oh , M. A. Mohd Khairul Annuar, T. B. Ong, M. A. A. Saiful Madzi and A. Mishad <i>Universiti Teknologi MARA, Malaysia.</i>
2	013-icera	Improving the Fatigue Performance of Binder Jet Manufactured 316L by Severe Shot Peening Surface Modification Timo Rautio, Matias Jaskari, Mikko Hietala, and Antti Järvenpää <i>University of Oulu, Finland.</i>
3	021-icera-jesr	Technical-Vocational Education and Training in a Bubble Community through Open and Distance e-Learning: An Evaluative Study Jhenly Asedillas <i>Don Bosco One-TVET Philippines Inc., Chino Roces Ave, Makati, 1230 Metro Manila</i>
4	032-icera	Revolutionizing Wind Energy Harvesting: Design and Performance Analysis of A Small-Scale ARC-Shaped Pendulum Vortex Bladeless Turbine Abdul Hadi Shaisham, Mohamad Ikhwan Syafiq Zaidi, Mohamad Alif Omar and Azfarizal Mukhtar <i>Universiti Tenaga Nasional (UNITEN), Malaysia</i>
5	018-icera	Conceptual Design of Hybrid Renewable Energy System with Hydrogen-Battery Storage Systems W.W. Tan, H. Zen and S.L. Leo <i>i-CATS University College, Kuching, Malaysia</i>
6	014-icera	Fatigue Properties of MEX Manufactured 316L and The Effect of Severe Shot Peening Timo Rautio, Miguel Araya, Matias Jaskari, Mikko Hietala, and Antti Järvenpää <i>University of Oulu, Finland.</i>
7	004-icera	Behavioral Intention of Overseas Students to Study Online: Social Impact Theory Perspective Bin Chen and Xuemei Sun <i>International College of National Institute of Development Administration (ICO NIDA). Thailand Sichuan Top IT Vocational Institute, China</i>
8	023-icera-jesr	Design of Portable Electronic Brake Bleeder with Interchangeable Adapter and Integrated Trouble Light Marshall Nicolane Pagayon <i>Don Bosco Technical Institute-Makati Inc., Chino Roces Ave, Makati, 1230 Metro Manila</i>

Session 3
Time: 1330-1530
Venue:
Session Chair:



No	Paper ID	Presenter
1	024-icera-jesr	<p>Fabrication of Jigs in Toolbit Grinding for Shop Safety and Efficiency</p> <p>Jerwin dela Fuente</p> <p><i>Don Bosco Technical Institute-Makati Inc., Chino Roces Ave, Makati, 1230 Metro Manila</i></p>
2	015-icera	<p>Macrostructure Behaviour of Self-Compacting Concrete (SCC) Encompassing Eggshell</p> <p>M R Md Zain, C L Oh, S W Lee, A Mishad¹ and N A Mohd Sofi</p> <p><i>Universiti Teknologi MARA, Malaysia.</i></p>
3	009-icera	<p>The Knowledge Management Process of Construction Companies in Vietnam: Exploratory Factor Analysis</p> <p>Vo Dang Khoa and Thanwadee Chinda</p> <p><i>Thammasat University, Pathum Thani, Thailand</i></p>
4	036-icera	<p>Assessment of Building Information Modelling (BIM) Contract Application in Malaysia Construction Industry</p> <p>R.A Rahman and M.H.A.R Najib</p> <p><i>Heriot-Watt University Malaysia, Malaysia.</i></p>
5	037-icera	<p>Rain Attenuation in Worst Month for 5G network in Tropical Region (Malaysia) for Terrestrial Link</p> <p>Kesavan Ulaganathen, G.L.D. Wicramasinghe, Mian K. Ehsan, Tharek A.R. and Rafiqul M. Islam</p> <p><i>Colombo Plan Staff College, Metro Manila, Philippines</i></p>
6	025-icera-jesr	<p>Used-Engine Oil in Aluminum Metal Upcycling: A Proposed Circular Economy Strategy</p> <p>Syrael Soque</p> <p><i>Don Bosco Technical College, Chino Roces Ave, Makati, 1230 Metro Manila</i></p>
7	028-icera	<p>An Analysis of Direct Pressure Performance of a Wave Energy Converter using Dielectric Elastomer Generators (DEGs) with Different Topologies</p> <p>Mohamad Alif Omar, Zykri bin Ahmad Firdaus, Mohamad Ikhwan Syafiq Zaidi, Abdul Hadi Shaisham, Ahmad Shah Hizam Md Yasir, Azfarizal Mukhtar and Mohd Zamri Yusoff</p> <p><i>Universiti Tenaga Nasional (UNITEN), Malaysia</i></p>
8	031-icera	<p>CFD Simulation of The Effectiveness of Wind Catchers in Improving the Ventilation Rate of Underground Parking Garages</p> <p>Mohamad Ikhwan Syafiq Zaidi, Abdul Hadi Shaisham, Mohamad Alif Omar, Ahmad Shah Hizam Md Yasir, and Azfarizal Mukhtar</p> <p><i>Universiti Tenaga Nasional (UNITEN), Malaysia</i></p>