

# The 2<sup>nd</sup> EPI International Conference on Science and Engineering 2018 (EICSE2018)

CSA Building, Engineering Faculty Campus, 24<sup>th</sup> October 2018

## Conference Program

Thursday, 24<sup>th</sup> November 2018

Time	Activities	Presenter / Person in Charge
08.00 – 08.30	Registration	OC
08.30 – 09.00	Opening Ceremony	Prof. Dr. Dwia Aries Tina Pulubuhu, M.A. Rector of Hasanuddin University
09.00 – 09.15	Break	OC
09.15 – 10.00	Keynote Speaker 1	Dr. Ir. Jumain Appe, M.Si. Directorate of Innovation Strengthening KEMENRISTEKDIKTI
10.00 – 10.45	Keynote Speaker 2	Prof. Yoshihiro Narita JICA Academic Adviser
10.45 – 11.30	Keynote Speaker 3	Prof. Ahmad Fitriadhy Universiti Malaysia Terengganu
11.30 – 12.30	Poster Session	OC
12.30 – 13.30	Lunch Break	OC
13.30 – 15.00	Parallel session 1	Moderator
15.00 – 15.30	Break	OC
15.30 – 17.00	Parallel session 2	Moderator

**Presentation Schedule**  
**The 2nd EPI International Conference on Science and Engineering 2018 (EICSE2018)**  
**Wednesday, 24th October 2018**

**Room : Lecture Theatre 1**

	<b>Time</b>	<b>ID</b>	<b>Title</b>	<b>Presenter</b>
Parallel Sesion 1 (13.30 - 15.00) Moderator Muh. Ansar, ST., MT., P.hD	13.30 - 13.45	EPI1805	CFD Analysis on Prediction of Towline Tension Using Bridle Towline Configuration	Ahmad Fitriadhy, Nur Adlina Aldin, Nurul Aqilah Mansor and Nur Aqilah Hanis Zalizan
	13.45 - 14.00	EPI1806	Tidal Flood in Pekalongan: Utilizing and Operating Open Resources for Modeling	Munawir Bintang Pratama
	14.00 - 14.15	EPI1807	Prediction of Propeller Performance using Computational Fluid Dynamics (CFD) Approach	Ahmad Fitriadhy, Nur Amira Adam, Kong Wai Sheng, Faisal Mahmuddin and Ci Quah
	14.15 - 14.30	EPI1808	The Effect of Hanging Sheet Pile Breakwater's Draft Relative on Wave Transmission Coefficient (Kt) in Irregular Wave	Chairul Paotonan, Hasdinar Umar, Ahmad Yasir Baeda, Taufiqur Rachman and Wahyuni Hasan
	14.30 - 14.45	EPI1809	Study on Sc-bearing lateritic Ni deposits in ultramafic rock from Sulawesi: A new paradigm in Indonesia metal mining industry	Adi Maulana, Sufriadin Sufriadin, Kenzo Sanematsu and Masayuki Sakakibara
	14.45 - 15.00	EPI1810	Ultimate Strength Analysis of FPSO Hull Girder under Longitudinal Bending	Muhammad Zubair Muis Alie, Risky Iriani, Juswan Juswan and Muhammad Iqra Ramadhan
	Parallel Sesion 2 (15.30 - 16.45) Moderator Sabaruddin Rahman, ST., MT., P.hD			
15.30 - 15.45		EPI1802	Investigation on Reflected Wave by Different Geometrical Ramp Shape of Overtopping Break Water for Energy Conversions using experimental and simulation	Muhammad Faris Roslan, Mohammad Fadhli Ahmad and Mohammad Azlan Musa
15.45 - 16.00		EPI1811	Comparison of Accuracy in Extreme Learning Machine Based on Hidden Node Structure Variation for Lung Cancer Classification	Sofyan Tandungan, Indrabayu Amirullah and Ingrid Nurtanio
16.00 - 16.15		EPI1848	Local Wisdom that forms of Bajo Ethnic Settlement in Belopa Village	Mukti Ali, Annisa Magfirah Ramadhani, Sri Aliah Ekawati
16.15 - 16.30		EPI1840	Influence of Tropical Environment on Electrical Properties of Electrical Insulation Materials	S Manjang, I Kitta, Gassing, I R Sahali, F Maricar
16.30 - 16.45	EPI1842	Hydrothermal Alteration Associated with Vein-Type Sulphide Mineralization at Lappadata Prospect, South Sulawesi, Indonesia: A Preliminary Study	Irzal Nur, Sufriadin, Asran Ilyas, Ulva Ria Irfan	

## Wednesday, 24th October 2018

### Room : Lecture Theatre 2

	<b>Time</b>	<b>ID</b>	<b>Title</b>	<b>Authors</b>
Parallel Sesion 1 (13.30 - 15.00) Moderator Zubair M. Alie, ST., MT., P.hD	13.30 - 13.45	EPI1815	Utilising the See-and-Follow Method for Enhancing Robot Learning Ability	Muhammad Anshar, Dicky Halim and Christoforus Yohannes
	13.45 - 14.00	EPI1816	Temperature and Salinity Gradients Analysis for a Solar Pond Prototype	Zaenab Muslimin, Indar Chaerah Gunadin, Muh. Anshar and Agus Siswanto
	14.00 - 14.15	EPI1817	Stability Improvement by Reducing Voltage Fluctuations using SVC in Penetration Wind Power System	Agus Siswanto, Indar Chaerah Gunadin, Sri Mawar Said and Ansar Suyuti
	14.15 - 14.30	EPI1818	Cloud Classification Based in Images Texture Features	Bagus Harda Setiabudi, Ingrid Nurtanio and Zahir Zainuddin
	14.30 - 14.45	EPI1819	Integration of LoRa-Cellular: Design and implementation of data communication in vehicle tracking systems	Amil Ahmad Ilham, Adnan Adnan and Randy Angriawan
	14.45 - 15.00	EPI1820	Comparison Of GPGPU Computation on MRI Medical Images using Zero Padding Technique	Muh. Rizky Hatsa, Adnan and Ingrid Nurtanio
	Parallel Sesion 2 (15.30 - 16.45) Moderator Zubair M. Alie, ST., MT., P.hD	15.30 - 15.45	EPI1812	Environmental Sensor Design Prototype for Genset Backups Power at Ground Station and Data Centers based on Internet of Things Devices
15.45 - 16.00		EPI1813	Impact Optimal DG Placement Against Harmonic Distribution on Reconfiguration Distribution Network on Microgrid System	Muhira Faraby and Ontoseno Penangsang
16.00 - 16.15		EPI1814	Stability Analysis and Fault Changes on Wind Turbine Effect in Multi Machine Power System	Bayu Adrian Ashad, Agus Siswanto, Indar Chaerah Gunadin and Yusran
16.15 - 16.30		EPI1804	CFD Analysis of heave and pitch motion of the asymmetrical bridle towline model of a towed ship in waves	Ahmad Fitriadhy, Nurul Aqilah Mansor and Nur Adlina Aldin
16.30 - 16.45		EPI1841	Insertion of 275 kV Transmission Line for Improving the Voltage Profile and Efficiency of Electrical Power System	I Kitta, S Manjang, I R Sahali, F Maricar

### Wednesday, 24th October 2018

**Room : Lecture Theatre 3**

	<b>Time</b>	<b>ID</b>	<b>Title</b>	<b>Authors</b>
Parallel Sesion 1 (13.30 - 15.00) Moderator Dr.Eng. Ilham Alimuddin, ST., M.GIS	13.30 - 13.45	EPI1825	Optimization of Coagulation-Flocculation Process For Tello River Water Treatment Using Poly Aluminum Chloride and Aluminum Sulfate	Setyo Erna Widiyanti
	13.45 - 14.00	EPI1826	Monthly rainfall prediction using statistical downscaling with combination of grid boxes and Adaptive Neuro Fuzzy and Inference System in Lombok	Agus Safril and Amhar Ulfiana
	14.00 - 14.15	EPI1827	Classification Of News On “Radar” Tarakan Online Using K-Nearest Neighbor Method With N-Gram Features	Evi Dianti Bintari, Gunawan and Aida Indriani
	14.15 - 14.30	EPI1828	Subsurface Investigation of Freshwater-Seawater Interface on Gowa-Takalar Coastal Aquifer, INDONESIA	Muhammad Ramli, - Purwanto and Aryanti Virtanti Anas
	14.30 - 14.45	EPI1829	Designing Board Games to Foster Tolerance	Maria Helena Suprpto, Lusia Permata Sari Hartanti and Rosalinda Latumahina
	14.45 - 15.00	EPI1821	Development a shrouded wind turbine with various diffuser type structures	Yiyin Klistafani and Muhammad Iqbal Mukhsen
	Parallel Sesion 2 (15.30 - 16.45) Amil Ahmad Ilham, ST., M.IT., P.hD	15.30 - 15.45	EPI1822	Effect of Cutting Conditions on Power demand and Surface Roughness through Sustainable Turning of Mild Carbon Steel
15.45 - 16.00		EPI1823	Optimization of pouring temperatures and stirrer speed parameters on a semi-solid slurry of ADC12 Al alloy prepared by mechanical stirring	Syahrudin Rasyid, Effendy Arif, Hairul Arsyad and Muhammad Syahid
16.00 - 16.15		EPI1824	Effects of Work on Shock Absorber and Spiral Springs Against Vertical Loads of Vehicles Burdening the Road Structure	Simon Ka'Ka, Syukri Himran, Ilyas Renreng and Onny Sutresman
16.15 - 16.30		EPI1843	Effect of Water Content on Uniaxial and Schmidt Hammer Pressure Strengths of Limestone and Basalt	Purwanto, Ramlan Dwi Ahmad, Ratna Husain, Busthan, Djameluddin
16.30 - 16.45		EPI1844	The effectiveness of PAC and Chitosan usage in Jeneberang River raw water treatment	B. Bakri, M. Selitung, R. N. Hamdani, M. Ihsan, Y.Arai

## Wednesday, 24th October 2018

### Room : Lecture Theatre 4

	Time	ID	Title	Authors
Parallel Sesion 1 (13.30 - 15.00) Moderator Dr. Indar C. Gunadin, ST., MT.	13.30 - 13.45	EPI1834	An Evaluation of Carrying Capacity of Jack-in Piles with Base Enlargement in Soft Clay	Gerard Aponno and Mochamad Sholeh
	13.45 - 14.00	EPI1845	Study on Characteristics of Maneuvering Ferry vessel as Effect Of Sea Waves	Mansyur Hasbullah, Daeng Paroka, Rosmani, and Hanisa
	14.00 - 14.15	EPI1836	Hardware and User Perspective Assessment on Application of Smart Door Access	Muhammad Anshar and Nasri Anas
	14.15 - 14.30	EPI1837	Climatic Significance of Colonial House Forms in Surabaya	I Gusti Ngurah Antaryama and Sri Nastiti Nugraheni Ekasiwi
	14.30 - 14.45	EPI1838	Design of a-based Smart Meters to Monitor Electricity Usage in the Household Sector Using Hybrid Particle Swarm Optimization - Neural Network	Muhammad Yusuf Yunus, Marhatang Marhatang, Andreas Pangkung and Muhammad Ruswandi Dialal
	14.45 - 15.00	EPI1839	Design and analysis of fixture for welding casing components of cross-flow turbine	Muas Muchtar, Syaharuddin Rasyid and Luther Sonda
	Parallel Sesion 2 (15.30 - 16.45) Dr.Eng. Abdul Mufti Radja, ST., MT.	15.30 - 15.45	EPI1830	Flexural Strength Test For Concrete Beam With Mild Steel And Reinforcing Iron
15.45 - 16.00		EPI1831	Sacred Spaces: Marketplace Phenomena on Historical Urban Landscape of Palopo	Moh Sutrisno, Sudaryono Sastrosasmito and Ahmad Sarwadi
16.00 - 16.15		EPI1832	Glare from windows assessment at offices with three types of internal solar shadings	Asri Dinapradipta, Erwin Sudarma, Ima Defiana and Collinthia Erwindi
16.15 - 16.30		EPI1833	Light Distribution Analysis on Buildings Located on The Coastal	Nurul Jamala, Ramli Rahim, Syavir Latif and Hiromi Ramli
16.30 - 16.45		EPI1849	Study of Utilizing Banana Peel Waste as an Energy Alternative	Irwan Ridwan Rahim, Asiyanti T. Lando, Kartika Sari, Erika Asriyanti