



ICSERA Plenary
Joint Session with International Symposium on Mechanical and Maritime Engineering
Wednesday, July 26, 2017 10.15-10.45
Bandung Room 2nd fl
Invited Speaker : Jae Dong Chung (SAREK), South Korea
Session Chair : Prof. Dr. Muhammad Idrus Al Hamid

ICSERA Plenary
Joint Session with International Symposium on Mechanical and Maritime Engineering
Wednesday, July 26, 2017 10.45-10.11.15
Bandung Room 2nd fl
Invited Speaker : Peter Simmonds (ASHRAE Distinguished Lecturer), USA
Session Chair : Prof. Dr. Muhammad Idrus Al Hamid

ICSERA1/Mech 4: Fluid Mechanics and Heat Transfer
Wednesday, July 26, 2017 11.15-12.00
Bandung Room 2nd fl
Session Chair : Prof. Dr. Muhammad Idrus Al Hamid

No	Paper #	ID	Author	Title	Affiliation	Time
1	712	ME4 - 1 / ICSERA1 - 1	Stefan Mardikus and Gregorius Riyanto	Single Phase Steam Ejector Investigation: Effect Different Area Ratio Throat to Entrainment Ratio	Sanata Dharma University, Indonesia	11.15-11.30
2	898	ME4 - 2 / ICSERA1 - 2	Ting Chen, Kyungjin Bae, Dongan Cha and Ohkyung Kwon	Mass Flow Characteristics Analysis of R245FA in EEV	Korea Institute of Industrial Technology, South Korea	11.30-11.45
3	784	ME4 - 3 / ICSERA1 - 3	Nengah Suarnadwipa, I Gusti Bagus Wijaya Kusuma and Tangkesalu Aprianto	Numerical Investigation on Cooler Tank of FASSIP-01	Universitas Indonesia, Indonesia	11.45-12.00



ICSERA 2

Wednesday, July 26, 2017 13.00-15.30

Bandung Room 2nd fl

Session Chair : Dr. ing. Ir. Nasruddin M.Eng

No	Paper #	ID	Author	Title	Affiliation	Time
1	496	ICSERA2 - 1	Dyah Arum Wulandari, Nasruddin, Lemington and R Z Wang	Studies of the Water Adsorption on Lampung's Natural Zeolite of Indonesia for Cooling Application	Universitas Indonesia, Indonesia	13.00-13.15
2	682	ICSERA2 - 2	Edy Susanto, Muhammad Idrus, Nasruddin Nasruddin and Budihardjo Budihardjo	Characteristics Air Flow in Room Chamber Test Refrigerator Household Energy Consumption with Inlet Flow Variation	Universitas Indonesia, Indonesia	13.15-13.30
3	845	ICSERA2 - 3	Ardiyansyah Yatim, Muhammad Idrus Alhamid, Budihardjo Budihardjo, Dicky Alamsyah and Hotdian Sinambela	Experimental Study on Thermal Performance of Refrigerants in Microchannel Heat Exchangers for AC Applications	Universitas Indonesia, Indonesia	13.30-13.45
4	889	ICSERA2 - 4	Jong-Taek Oh, Ba Chien Nguyen and Pham Quang Vu	Investigation of Flow Boiling Heat Transfer Coefficient of R410A in Various Minichannel Multiport Tubes	Chonnam National University, South Korea	13.45-14.00
5	896	ICSERA2 - 5	Honghyun Cho, Yunchan Shin and Woobin Kang	Economic and Environmental Analysis Depending on the Concentration of Al ₂ O ₃ Nanofluid U-Tube Solar Collector	Chosun University, South Korea	14.15-14.30
6	905	ICSERA2 - 6	Jae Dong Chung, Min Ho Kim and Yong Tae Lee	A New Method Using Effect Thermal Conductivity for a Full Thermal Storage Tank	Sejong University, South Korea	14.30-14.45
7	920	ICSERA2 - 7	Nguyen-Ba Chien and Jong-Taek Oh	Investigation of Optimal Design of Flow Header in Heat Exchangers	Chonnam National University, South Korea	14.45-15.00
8	922	ICSERA2 - 8	Pham Quang Vu, Kwang-Il Choi, Jonng-Taek Oh and Honggi Cho	Pressure Drop during Condensation of R410A Inside Horizontal Multiport Mini-channels Rectangular Tubes	Chonnam National University, South Korea	15.00-15.15
9	923	ICSERA2 - 9	Pham Quang Vu, Kwang-Il Choi, Jonng-Taek Oh and Honggi Cho	Experimental Study of Condensation Heat Transfer of R410A, R32 and R22 Inside a Micro-fin Copper Tube	Chonnam National University, South Korea	15.15-15.30



ICSERA 3

Wednesday, July 26, 2017 15.45-18.00

Jakarta B Room 2nd fl

Session Chair : Dr. Agus Sunjarianto Pamitran, ST., M.Eng

No	Paper #	ID	Author	Title	Affiliation	Time
1	934	ICSERA3 - 1	Agung Satrio Wibowo and Nasruddin Nasruddin	Multi-Objective Optimization and Implementation of Double Stage Absorption Absorption System to Improve Kamojang 5 GPP's Performance	Universitas Indonesia, Indonesia	15.45-16.00
2	935	ICSERA3 - 2	Yodi S., Nasruddin Nasruddin and Nanang K.	Level of Effectiveness of Risk-Based Inspection Program by Using the Semi-Quantitative API 581 Method on Geothermal Power Plants (GPPs) in Indonesia	Universitas Indonesia, Indonesia	16.00-16.15
3	936	ICSERA3 - 3	Nasruddin Nasruddin, Nanang K., Dimas P. and Sherly Sherly	Comparison Critical Analysis among FMEA, FMEA Fuzzy Logic, and FMEA TOPSIS on Geothermal Steam Turbine System	Universitas Indonesia, Indonesia	16.15-16.30
4	912	ICSERA3 - 4	Kwang Pyo Lee, Byung Ryeon Kim and Chan Woo Park	A Study on Optimization Design of Water-Cooled Heat Sink Plate for Inverter Cooling of Turbo Chiller	Chonbuk National University, South Korea	16.30-16.45
5	805	ICSERA3 - 5	Muhammad Arif Budiyanto, Nasruddin Nasruddin and Fariz Zhafari	Simulation Study on the Estimation of Energy Consumption of Refrigerated Container	Universitas Indonesia, Indonesia	16.45-17.00