SYMPOSIUM	TITLE	ROOM	TUESDAY, 11 AUGUST 2015			WEDNESDAY,12 AUGUST 2015				
			1.00- 3.00 p.m	3.30- 5.00 p.m	POSTER SESSION	08.00- 10.00 a.m	10.30- 12.00 a.m	1.00- 3.00 p.m	3.30- 5.00 p.m	POSTER SESSION
A	Civil and Environmental Engineering	Mataram	A1. Construction Technology and Value Management	A2. Structure, Geotechnique and Construction Materials		A3. Structure, Geotechnique and Construction Materials	A4. Transportation and Urban Design	A5. Transportation and Urban Design	A6. Transportation and Urban Design	A11. Poster Session For Civil Engineering
		Narmada				A7. Urban Innovation Management, Water Resources and Environmental Engineering	A8. Water Resources and Environmental Engineering	A9. Water Resources and Environmental Engineering	A10. Water Resources and Environmental Engineering	
B	Mechanical and Marine Engineering	Rinjani 3	B1. Manufacture	B2. Manufacture	B15. Poster Session for Mechanical and Marine Engineering	B3. Manufacture	B4. Manufacture	B5. Manufacture		B16. Poster Session for Mechanical and Marine Engineering
		Selaparang	B6. Applied Mechanical	B7. Marine Engineering		B8. ICSERA + Refrigeration	B9. ICSERA + Refrigeration	B10. ICSERA + Refrigeration		
		Rinjani 1						B11. Fluid	B12. Fluid	
		Rinjani 2						B13. Energy Conversion	B14. Energy Conversion	
C	Electrical and Computer Engineering	Gili Air	C1. EMWave: Radar, Antenna	C2. EMWave: Antenna , Microwave Propagations/ Circuits	C5. Poster Session for Electrical and Computer Engineering	C6. COMPUTER: Computer Science	C7. COMPUTER: Computer Science, Computer App	C7. COMPUTER: Computer Science, Computer App	C9. EMWave: Microwave Propagation /Circuits , Electromagnetism, Photonics Propagation	C18. Poster Session for Electrical and Computer Engineering
		Gili Meno	C3. ELECTRONICS AND SENSORS: Nano Materials, Sensor	C4. ELECTRONICS AND SENSORS: Sensor, Nano Electronics Devices		C10. ENERGY: System	C11. ENERGY: Renewable	C12. ELECTRONICS AND SENSORS: Nano Electronics Devices, Electronics Circuits	C13. Electronics and Sensors: Photonics Devices TELECOMMUNICATION: Wireless	
		Gili Trawangan				C14. ENERGY: System, Power Electronics	C15. COMPUTER: Computer App± TELECOMMUNICATION: Digital Signal Processing	C16. TELECOMMUNICATION: Wireless ± CONTROL AND ROBOT: Control System	C17. CONTROL AND ROBOT: Control System	

SYMPOSIUM A : CIVIL AND ENVIRONMENTAL ENGINEERING

SESSION A1.Construction Technology and Value Management

Chair : Prof. Dr. Ir . Sigit Pranowo Hadiwardoyo,DEA
Tuesday, 11 August 2015, 1.00-3.00 pm
Venue : Narmada

Time	No.	Authors	Affiliation	Title
1.00 - 1.30 pm	A1.1 (Invited)	Prof. Antonio Gomes Correira	University of Minho, Portugal	
1.30 - 2.00 pm	A1.2 (Invited)	Prof. Oliver Carsten	Institute for Transport Studies (ITS), University of Leeds	New Technology in Transportation and Safety
2.00 - 2.15 pm	A1.3	Hanie Teki Tjendani	ITS	Risk Sharing Among Stakeholders to Implementing Performance Based Contract on Highway Project
2.15 - 2.30 pm	A1.4	Rahayu S. Arifin, Setyo S. Moersidik, Djoko M. Hartono, Yusuf Latief, Edhi T.Budhi Soesilo	University of Indonesia	Dynamics Project Interdependencies in optimizing Project Portfoli Management (PPM) Case Study: BDAM Tirtawening Bandung
2.30 - 2.45 pm	A1.5	Basuki Anondho	Tarumanagara University	Influence of External Factors Identification Analysis Model of Probabilistic Construction Project Duration in Jakarta
2.45 - 3.00 pm	A1.6	Afrizal Nursin, Yusuf Latif, Krishna Mochtar, Hari G.Soeparto	University of Indonesia	Collaboration of Parties to Reduce Construction Waste in Integrate Project

SESSION A2.Structure, Geotechnique and Construction Materials

Chair : Ir. Widjojo A. Prakoso, M.Sc., Ph.D
Tuesday, 11 August 2015, 3.30-5.00 pm
Venue : Narmada

Time	No.	Authors	Affiliation	Title
3.30 - 3.45 pm	A2.1	Dimas Langga Chandra Galuh	Sarjanawiyata Tamansiswa University	The Effectiveness of the Use of Wire Rope Flexural as the Negativ Moment Reinforcement in T-Sectional Reinforced Concrete Beam
3.45 - 4.00 pm	A2.2	Yulian Firmana Arifin	Lambung Mangkurat University	Physico-Hydro-Mechanical Properties of a Commercial Bentonite in Indonesia
4.00 - 4.15 pm	A2.3	Ni Nyoman Kencanawati, Mitsuhiro Shigeish	Mataram University	Distribution of Strength and Reliability of Shotcrete
4.15 - 4.30 pm	A2.4	Widiarto Sutrisno	Sarjanawiyata Tamansiswa University	Water Absorption of Brick Wall Mortar With Glass Powder Added
4.30 - 4.45 pm	A2.5	Agus Setyo Muntohar	University of Muhammadiyah Yogyakarta	The SiCC Column Improved the Expansive Clay

SESSION A3Structure, Geotechnique and Construction Materials

Chair : Dr.Eng. Agus Setyo Muntohar, S.T.,M.Eng.Sc.
Wednesday, 12 August 2015, 8.00-10.00 am
Venue : Narmada

Time	No.	Authors	Affiliation	Title
08.00-08.15 am	A3.1	* L G L R Q 7 X U X ¶ D O O R	Tadulako University	Using Ggbs as a Part of Cement Replacement in Concrete: Effect Water-Binder Ratio and Ggbs Levels on Activation Energy
08.15-08.30 am	A3.2	Suryawan Murtiadi	University of Mataram	In-Filled Lightweight Concrete Frame Reinforced With Sisal Fiber Bars Subjected to Lateral Loading
08.30-08.45 am	A3.3	Anis Rosyidah	Jakarta State Polytechnic	The Bond Strength and the Development Length of Reinforcing Deform Bars of Precast Concrete Using Grouting
08.45-09.00 am	A3.4	Jauhar Fajrin	University of Mataram	Improving the Quality of Experimental Research in Civil Engineering by Employing Statistical Design of Experiment; A Case Study in Developing Composite Hybrid Sandwich Panel
09.00-09.15 am	A3.5	Wiwik Rahayu, Yustian Heri Suprapto	University of Indonesia	Preliminary Study of Correlation Between California Bearing Ratio and Dynamic Cone Penetrometer in Peat Soil
09.15-09.30 am	A3.6	Anas Puri, Hary C. Hardiyatmo, Bambang Suhendro, Ahmad Rifa'i	Islamic University of Riau	Pull out Test of Single Pile Row Nailed-slab System on Soft Clay
09.30-09.45 am	A3.7	Yustian Heri Suprapto, Budi Susilo Soepandi, Wiwik Rahayu, Hussein Mroueh	University of Indonesia	Effect of Bacillus subtilis as an Agent in Biological Treatment on the Shear Strength of Sand

SESSION A4.Transportation and Urban Design

Chair : Ir. Tri Tjahjono, Ph.D
Wednesday, 12 August 2015, 10.30-12.00 am
Venue : Narmada

Time	No.	Authors	Affiliation	Title
10.30-10.45 am	A4.1	Nahry Yusuf, Dea Meirina Sari, Heddy Rohandi Agah	University of Indonesia	The Analysis of Utilization and Feasibility of Pedestrian Facilities (Case Study: Lenteng Agung Street-North Direction, Jakarta)
10.45-11.00 am	A4.2	Jachrizal Sumabrata	University of Indonesia	Understanding Pedestrian: Analysis of Student Perception on Pedestrian Facility of Universitas Indonesia Campus, Depok
11.00-11.15 am	A4.3	Martha Leni Siregar	Universitas Indonesia	Pedestrian Safety Profile in Indonesia
11.15-11.30 am	A4.4	Desvira Natasya, Tri Tjahjono, Martha Leni Siregar	University of Indonesia	Traffic Safety Analysis of Elementary School Children
11.30-11.45 am	A4.5	Pungkas Hendratmoko	University of Indonesia	Influence Determinants of Human Behaviour to Assessment Willingness to Pay for Road Safety Improvement
11.45-12.00 am	A4.6	Hamdi, Sigit P. Hadiwardoyo, A. Gomes Correia, Paulo Pereira	University of Indonesia	Road Deterioration Analysis for the National Roads of Indonesia

SESSION A5.Transportation and Urban Design

Chair : Dr. Ir. Jachrizal Sumabrata, MSi.
Wednesday, 12 August 2015, 1.00-3.00 pm
Venue : Narmada

Time	No.	Authors	Affiliation	Title
1.00- 1.30 pm	A5.1	Martha Leni Siregar, Heddy R. Agah, Fadhliya Afifa Arifin	University of Indonesia	An Attempt to Produce Hazard-Driven Median-type Adjustment Factor for Road Capacity Calculation
1.30- 2.00 pm	A5.2	Andri Irfan Rifai, Sigit Pranowo Hadiwardoyo, Antonio Gomes Correia, Paulo Pereira, Paulo Cortez	University of Indonesia	Data Mining Applied for the Prediction of Highway Roughness under Overload Traffic
2.00- 2.15 pm	A5.3	Ferdinand Fassa	Pembangunan Jaya University	Increasing Bintaro Region Using TOD Concept As Solution of Traffic Congestion
2.15- 2.30 pm	A5.4	Herry Trisaputra Zuna	University of Indonesia	Analyzing Service Quality of Toll Roada Its Relation with Customer Satisfaction in Indonesia Using Multivariate Analysis
2.30- 2.45 pm	A5.5	Leksmono Suryo Putranto, Rostiana Nurjayadi	Tarumanagara University	Factors Affecting Indonesian Motorcycle Rider Behaviour
2.45- 3.00 pm	A5.6	Endang Widjajanti, Ismono Kusmaryono	BPPT	Development of Low Cost Vehicles for Rural Areas in Indonesia

SESSION A6.Transportation and Urban Design

Chair : Dr. Ir. Nahry, MT.
Wednesday, 12 August 2015, 3.30-5.00 pm
Venue : Narmada

Time	No.	Authors	Affiliation	Title
3.30- 3.45 pm	A6.1	Eny Yuliawati, Sigit Hadiwardoyo, Bambang Susantono, Tri Tjahjono	University of Indonesia	System Dynamics Model for Airport Investment Analyze in Hub and Spoke Network
3.45- 4.00 pm	A6.2	Heddy Rohandi Agah, Siti Fatmawati	University of Indonesia	Analysis the Influence of Rob Water Immersion on the Characteris of Hotmix Polymer Modified Asphalt
4.00- 4.15 m	A6.3	Eva Azhra Latifa, Nuzul Barkah Prihutomo, Mulyono Sabrang	Jakarta State Polytechnic	How Asphalt Types Improve Resilient Modulus of Hot Mix Asphalt Concrete

SESSION A7.Urban Innovation Management, Water Resources and Environmental Engineering

Chair : Ir. Martha Leni Siregar, MSc.
Wednesday, 12 August 2015, 8.00-10.00 am
Venue : Mataram

Time	No.	Authors	Affiliation	Title
08.00-08.15 am	A7.1	Van Basten Panjaitan	University of Indonesia	The Development of Freight Distribution Model for Connecting Interisland Freight Transport
08.15-08.30 am	A7.2	Aki Aapaoja, Pekka LeviÃ¤kangas	VTT Technical Research Centre of Finland	The Evolution of Local Innovation System in Northern Finland - Case Renewable Energy Solutions Pilots in Oulu
08.30-08.45 am	A7.3	David P.Thambiratnam	QUT	Structural Health Monitoring - Preserving What We Have
08.45-09.00 am	A7.4	Lukas Beladi Sihombing, Yusuf Latief, Ayomi Dita Rarasati, Andreas Wibowo	University of Indonesia	State-of-the-art of Literature Reviews on Project Financing Models for Toll Road Investments
09.00-09.15 am	A7.5	Erni Setyowati, Gagoek Hardiman, Purwanto, Khusnan	University of Diponegoro	Green Concept Mapping Researches of Natural Waste Based Materials

SESSION A8.Water Resources and Environmental Engineering

Chair : Dr. Ing. Ir. Dwita Sutjiningsih, Dipl. HE
Wednesday, 12 August 2015, 10.30-12.00 am
Venue : Mataram

Time	No.	Authors	Affiliation	Title
10.30-10.45 am	A8.1	Budijanto Widjaja, Ignatius Tommy Pratama	Parahyangan Catholic University	Determination of the Viscosity Value Based on the Influence of the Sliding Plane by Using Flume Channel
10.45-11.00 am	A8.2	Muhammad Islamy Rusyda	University of Mataram	Backwater Rise Due to Log Jam at an Arched Bridge during a Flood (A Flume Experiment)
11.00-11.15 am	A8.3	Indra Sati Hamonangan Harahap, Zainul Faizien Haza	Sarjanawiyata Tamansiswa University	On The Numerical Simulations of Drag Forces Exerted by Subaqueous Mudflow on Pipeline: A Laboratory Experiment Assessment
11.15-11.30 am	A8.4	Sigit Sutikno	University of Riau	Calibration of Numerical Model for Shoreline Change Prediction Using Satellite Imagery Data
11.30-11.45 am	A8.5	Olga Catherina Pattiwaej, Angga Putra	Maranatha Christian University	Stability and Placement Analysis of Geotube to Prevent Existing Shoreline at Pisangan Coastal Area in Karawang
11.45-12.00 am	A8.6	Max Rudolf Muskananfola, Frida Aprilia Loinenak, Agus Hartoko	University of Diponegoro	A Study On Coastal Vulnerability As A Basis For Coastal Structural Planning And Development At Doreri Bay, Manokwari Regency, West Papua Province

SESSION A9.Water Resources and Environmental Engineering

Chair : Dr. Nyoman Suwartha, ST., MT., MAgr.
Wednesday, 12 August 2015, 1.00 - 3.00 pm
Venue : Mataram

Time	No.	Authors	Affiliation	Title
1.00 - 1.30 pm	A9.1	Maimun Rizalihadi	Syiah Kuala University	Project Irrigation Efficiency Assesment on Paddy Field of Pandrah Irrigation Project, Aceh
1.30 - 2.00 pm	A9.2	Heri Sulistiyono, Ida Bagus Giri Putra, I Dew Gde Jaya Negara	University of Mataram	Development of A New Water Index Criterion for Water Balance Assessments
2.00 - 2.15 pm	A9.3	Ari Sandhyavitri	University of Riau	The Changes of Land Use Pattern Affect to the Availability of Wate Resources in Siak Watershed, Riau Province, Indonesia
2.15 - 2.30 pm	A9.4	Dwita Sutjiningsih	University of Indonesia	Estimation of Sediment Yield in a Small Urban Ungaged Watershe Basedon Schaffernak Approach at Sugutamu Watershed, Ciliwung West Java
2.30 - 2.45 pm	A9.5	Pandu Dewanto, Setyo Sarwanto Moersidik, Sucipta	University of Indonesia, BPPT	Assessment of Radionuclides Release Scenario in Water and Soil Demontration Plant of Near Surface Disposal for Radioactive Waste
2.45 - 3.00 pm	A9.6	Dewi Fitria	IATPI	Study of Coagulant Aluminium Sulphate and Ferric Sulphate to Remove Organic Matter from Water

SESSION A10.Water Resources and Environmental Engineering

Chair : Dr. Nyoman Suwartha, ST., MT., MAgr.
Wednesday, 12 August 2015, 3.30 - 5.00 pm
Venue : Mataram

Time	No.	Authors	Affiliation	Title
3.30 - 3.45 pm	A10.1	Djoko M. Hartono, Gabriel Andari Kristanto, Syaiful Amien	University of Indonesia	Study of 0 D U N H W V k ¼ Œ 6 R O L G : D V W H * H Q H U Determine Management Alternatives (Case Study: Pasar Pondok Bambu and Pasar Segar Cinere)
3.45 - 4.00 pm	A10.2	Yusup Setiawan	Center for Pulp and Paper (CPP), Ministry of Industry	Reject Waste Pellet for Paper Mill as Fuel and Its Contribution on Greenhouse Gas (GHG)

SESSION A11. Poster Session For Civil Engineering
Chair
Wednesday, 12 August 2015, 10.00- 10.30 am; 12.00-1.00pm; 3.00- 3.30pm; 5.00-7.00pm
Venue : PreFunction Hall

Time	No.	Authors	Affiliation	Title
10.00- 10.30 am; 12.00-1.00pm; 3.00- 3.30pm; 5.00-7.00pm	A11.1	Andri Irfan Rifai, Sigit Pranowo Hadiwardoyo, Antonio Gomes Correia, Paul Pereira	University of Indonesia	A Conceptual Model Decision Support System for Maintenance Optimization of Overload Highway Pavements Under Financial Constraints
	A11.2	Ruly Irawan	Sarjanawiyata Tamansiswa University	Natural Frequencies of Semi-Rigidly Connected Frame with Axial Force Effects
	A11.3	Iskandar Yasin, Henricus Priyo Susulistyo, Suprapto Siswosukarto, Ashar Saputra	UGM	The Influence of Pressure to Mechanical Properties Dendrocalamus Asper Blade Bamboo
	A11.4	Budijanto Widjaja	Parahyangan Catholic University	Alternative Approach to Determine Yield Stress as a Rheology Parameter for Mudflow
	A11.5	Rendy Thamrin, Tetsuzo Kaku	Andalas University ; Toyohashi University of Technology	Effect of Stirrup on Bond and Shear Capacity of Concrete Beams Reinforced with Cfrp Bars

SYMPOSIUM B: MECHANICAL AND MARINE ENGINEERING

SESSION B1. Manufacture

Chair : Masaaki Otsu

Tuesday, 11 August 2015, 1.00 - 3.00 pm

Venue : Rinjani 3

Time	No. ID	Authors	Affiliation	Title
1.00 - 1.30 pm	B1.1 (invited)	Prof. Minyang	Tokyo Metropolitan University	Process convergence for fabrication of micro bioassay devices
1.30 - 1.45 pm	B1.2	Gandjar Kiswanto, Aida Mahmudah , Sugeng Supriadi, Ken-ichi Manabe	Universitas Indonesia	The Influence of Die Clearance and Punch Velocity in Micro Blanking Process
1.45 - 2.00 pm	B1.3	Tomomi Shiratori, Shizuka Nakano, Yohei Suzuki, Masahito Katoh, Naoko Satoh,Takafumi Komatsu, Ming Yang	Komatsuseiki Kosakusho Co. LTD, Tokyo MetropolitanUniversity	Influence of Grain Size on Process Affected Zone in Micro Piercing
2.00 - 2.15 pm	B1.4	Keisuke Nagato, Yuki Yajima, Ken Takahashi, Tetsuya Hamaguchi, Masayuki Nakao	The University of Tokyo	Replication of Antireflection Structure for Solar Cells by Laser assisted Imprinting
2.15 - 2.30 pm	B1.5	T. Aizawa, Istiloyah, Y. Sugita	Shibaura Institute of Technology, University ofBrawijaya	Selective Pattern-hardening of AisiSus420/Sus430 Molds For Micro Texturing
2.30 - 2.45 pm	B1.6	Takuya Maetani, Junpei Sakurai, Mizue Mizoshiri, Seiichi Hata	School of Nagoya University	Evaluation of magnetization for cantilever sample using MFM device
2.45 - 3.00 pm	B1.7	Satoshi Kishimotoand Yutaka Kagawa	National Institute for Materials Science	Fabrication Of Micro-Channel From The Powder By Pulse Electric Current Sintering Method And Marked Grafite Die

SESSIONB2. Manufacture

Chair : Yukio Miyashita

Tuesday,11 August 2015, 3.30 - 5.00 pm

Venue : Rinjani 3

Time	No. ID	Authors	Affiliation	Title
3.30 - 3.45 pm	B2.1 (invited)	Native Speaker ASMP		
3.45 - 4.00 pm				
4.00 - 4.15 pm	B2.2	Sugeng Supriadi	Universitas Indonesia	Replication of micro-riblets on ship hull for drag reduction applicatio
4.15 - 4.30 pm	B2.3	Tsuyoshi Furushima, Kenta Takahashi, Ken-ichi Manabe	Tokyo Metropolitan Univ	Numerical Study on Effects of Material Inhomogeneity and Grain S on Necking and Wrinkling Behaviors in Micro Deep Drawing of Metal Foils
4.30 - 4.45 pm	B2.4	Wataru NAKAO	Principal Investigator, Institute of Advanced Sciences, Yokohama National University	Technical Milestone to Apply Self-healing Ceramics
4.45 - 5.00 pm	B2.5	Shinta Virdhiana, Pujiyantoband Husen Taufiq	Metal Industries Development Centre,	Reverse Engineering of Complex Shaped Casting Product

SESSIONB3. Manufacture
Chair : Tsuyoshi Furushima
Wednesday, 12 August 2015, 08.00 – 10.00 am
Venue : Rinjani 3

Time	No. ID	Authors	Affiliation	Title
8.00 - 8.15 am	B3.1	Tomohiro MURAKAMI, Ming YANG	Tokyo Metropolitan University	Fracture vibration and noise of different tensile strength materials i screw drive servo press blanking
8.15 - 8.30 am	B3.2	Takashi Nomura, Kazuhiko Kitamura, Kenic Matsunaga	Nagoya Institute of Technology	Behavior of asymmetric deformation of rod in local lateral upsetting
8.30 - 8.45 am	B3.3	Takehiko Makino, Yuya Yogo, Toshinari Michimoto, Yohei Takamori	Nagoya Institute of Technology	Direct Measurement of Friction Force during Forming
8.45 - 9.00 am	B3.4	Masato Okada, Masayoshi Shinya, Hidetake Tanaka, Naoki Asakawa, Masaaki Otsu	Nagaoka University of Technology	Measurement of Tool Temperature in Burnishing using Diamond T
9.15 - 9.30 am	B3.5	E.E. Yunata, K. Yamauchi, T. Aizawa	Shibaura Institute of Technology	High Density Oxygen Plasma Ashing Of CVD Diamond Coated End Milling Tools
9.30 - 9.45 am	B3.6	Masaaki Otsu, Seiya Ichikawa, Takayuki Muranaka, Hidenori Yoshimura, Ryo Matsumoto, Masato Okada	University of Fukui, Kagawa University, Osaka University	Front and Rear Sides Simultaneous Forming by Friction Stir Incremental Forming
9.45 - 10.00 am	B3.7	Yuichi Otsuka, Yukio Miyashita, Yoshiharu Mutoh	Nagaoka University of Technology	In situ observations of fretting wear behavior of plasma-sprayed hydroxyapatite coating

SESSIONB4. Manufacture
Chair : Sinta Virdian
Wednesday, 12 August 2015, 10.30 – 12.00 am
Venue : Rinjani 3

Time	No. ID	Authors	Affiliation	Title
10.30 - 10.45 am	B4.1 (invited)	Native Speaker ASMP		
10.45 - 11.00 am				
11.00 - 11.15 am	B4.2	Gen Sasaki, Kunihiko Nakata, Kenjiro Sugio	Hiroshima University	Wetability Between Grapite And High Temperture Lead Free Solde Alloy
11.15 - 11.30 am	B4.3	D.J. Santjojo, T. Aizawa, Istiroyah	University of Brawijaya, Shibaura Institute of Technology	High Rate Plasma Nitriding Of Martensite Stainless Steel For Surfa Treatment
11.30 - 11.45 am	B4.4	H. Asanuma, S. Yamaguchi, T. Mochizuki and T. Yanaseko	Chiba University	Development Of Titanium Fiber/Aluminum Multifunctional Composites
11.45 - 12.00 am	B4.5	Urip Agus Salim, Muslim Mahardika, Subarmono Barmono	JTMI FT-UGM	Design and Analysis of Electrical Car Chassis Using Wire Model w Finite Element Method (F)

SESSIONB5. Manufacture
Chair : Hideshi Miura
Wednesday, 12 August 2015, 1.00 – 3.15 pm
Venue : Rinjani 3

Time	No. ID	Authors	Affiliation	Title
1.00 - 1.15 pm 1.15 - 1.30 pm	B5.1 (invited)	Kazunari Shinagawa	Kagawa University	Phasefiled simulation of elementary process in powder bed fusion
1.30 - 1.45 pm	B5.2	Sugeng Supriadi, Tito Winnerson Sitanggang, Bambang Irawan, Bambang Suharno, Gandjar Kiswanto, Tjokro Prasetya	Universitas Indonesia	Fabrication Orthodontic Bracket by Using Investment Casting Proc
1.45 - 2.00 pm	B5.3	Kazuhito Asai, Kazuhiko kitamura	Nagoya Institute of Technology	Estimation of frictional performance of lubricants for hot forging of steel by calibration curves considering heat transfer in ring compression test
2.15 - 2.30 pm	B5.4	Ario Sunar Baskoro, Ahmad Fauzan	Universitas Indonesia	Effect of Pressure and Length of Lap Joint on Shear Load and Join Clearance During Dissimilar Metal Joining Using Torch Brazing (Al
2.30 - 2.45 pm	B5.5	Ario Sunar Baskoro, Edy Karyanta, Henky Suskito Nugroho	Universitas Indonesia	Tote Box Manufacturing Information Systems For 300 kCi Gamma Irradiators
2.45 - 3.00 pm	B5.6	Shingo Isobe, Ikuo Ihara, Akira kosugi	Nagaoka University of Technology	In-situ Noninvasive Heat Flux Evaluation by Ultrasound for High Temperature Materials Processes Monitoring

SESSIONB6. Applied Mechanical
Chair : Gandjar Kiswanto
Tuesday, 11 August 2015, 1.00 – 3.00 pm
Venue : Selaparang room

Time	No. ID	Authors	Affiliation	Title
1.00 - 1.30 pm	B1.1 (invited)	Prof. Minyang	Tokyo Metropolitan University	Process convergence for fabrication of micro bioassay devices
1.30 - 1.45 pm	B6.1	Sugiharto Sugih, Danardono Agus Sumarso	Universitas Indonesia	Suspended Coil Spring Suspension for Straddle Type Monorail: Sp and Dampers Selection Analysis
1.45 - 2.00 pm	B6.2	Katdunori Takezawa, Noriyasu Oguma, Mai Fukami, and Masanori Kontan	University of Toyama, Engineer, Tohshin Seiki Co., Ltd	Development of high speed torsional fatigue testing machine for multiple specimens
2.00 - 2.15 pm	B6.3	Sudi Mungkasi, Andreas Prasetyadi, Franciscus Asisi Rusdi Sambada	Sanata Dharma University	A Finite Volume Method for Water Hammer Problems
2.15 - 2.30 pm	B6.4	Takuma Matsuo and Shunsuke Ozono	Meiji University	Guided Wave Propagation in Wire Cable under Tensile Stre
2.30 - 2.45 pm	B6.5	Sugeng Waluyo, Nanang Gunawan Wariyati	Jenderal Soedirman University	Stress Dependent Relaxation Time in Finite Strain Viscoelasticity
2.45 - 3.00 pm	B6.6	Hirokomikado, Shingo Kawamura and Noriyasu Oguma	University of Toyama, Machinery and Engineering Group, YKK Corp.	Behavior on generation and propagation of fatigue crack for WC cemented carbides

SESSIONB7. Marine Engineering
Chair : Yanuar
Tuesday,11 August 2015, 03.00 ±05.00 pm
Venue Selaparang room

Time	No. ID	Authors	Affiliation	Title
3.30- 3.45 pm				
3.45- 4.00 pm	B7.1	Syafiuddin Sodikin	Sepuluh Nopember Technology of Institute, Surabaya	Ship Energy Efficeincy Management Plan Implementation on Anch Handling Tug Supply Vessel
4.00- 4.15 pm	B7.2	BudiartoSubroto, Sri Rahardjo Suwito	Graduate School of Sahid University Jakarta Indonesia	Marine Highway a Concept Toward an Efficient Shipping and Port Operation in an Archipelagic State
4.15- 4.30 pm	B7.3	Sunaryo	University of Indonesia	Implementation Of Traffic Separation Scheme For Preventing Accide On Sunda Strait
4.30- 4.45 pm	B7.4	Budiarto Subroto, Sri Rahardjo Suwito	Graduate School of Sahid University Jakarta Indonesia	Determining the Competitive Position of the Indonesian Main Port o Tanjung Priok as Central Issue
4.45- 5.00 pm	B7.5	Sri RahardjoSuwito, Budiarto Subroto	Graduate School of Sahid University	Privatization on Captive Market Port: Will Customer Satisfy with Quality of Service?

SESSIONB8. ICSERA + Refrigeration
Chair : Agus Pamitran
Wednesday, 12 August 2015, 08.00 ±10.00am
Venue Selaparang room

Time	No. ID	Authors	Affiliation	Title
8.00- 8.15 am	B8.1 (invited)	Prof. Hwataik Han	Kookmin University	Past, Present, and Future of Building Energy in Korea
8.15- 8.30 am				
8.30- 8.45 am	B8.2	I Nyoman Suamir, I Nyoman Gede Baliarta, Made Ery Arsana	Bali State Polytechnic	Condenser-Evaporator Approach Temperatures and their Influence on Energy Performance of Water Cooled Chillers
8.45- 9.00 am	B8.3	JoonAhn, Hyejun Kim,	Kookmin University	Thermal Comfort at a Residential House-Air conditioned by Hybrid Desiccant Cooling System
9.15- 9.30 am	B8.4	Jiyeon Jung	Kookmin university	A study on effect of process variation for residential SOFC system
9.30- 9.45 am	B8.5	Young SooChang	Kookmin university	Regeneration performance of liquid desiccant on the surface of a p type heat exchanger
9.45-10.00 am	B8.6	Nasruddin, M. Idrus Alhamid, Budihardjo and Ratiko	University of Indonesia, National Nuclear Energy Agency of Indonesia (BATAN),	Contaminant dispersion analysis in interim storage for spent nuclea fuel building

SESSIONB9. ICSERA + Refrigeration
Chair : Nasruddin
Wednesday, 12 August 2015 10.30 ±12.00 am
Venue : Selaparang room

Time	No. ID	Authors	Affiliation	Title
10.30- 10.45 am 10.45- 11.00 am	B9.1 (invited)	Normah Mohd-Ghazali	Universiti Teknologi Malaysia	Environmentally Friendly Thermoacoustics Refrigeration: Theory and Applications
11.00- 11.15 am	B9.2	I Gusti Agung Bagus Wirajati	Bali State Polytechnic	The Simulation Performance of Three-Bed Silica Gel Conventional Re Heat Combined Adsorption Cycle
11.15- 11.30 am	B9.3	Normah mohd-Ghazali,Liewkim Fa And Nor Atiqah Zolpakar	UniversitiTeknologi Malaysia,	End Effects of a Thermoacoustic Stack on the Flow Pattern
11.30- 11.45 am	B9.4	Normah Mohd-Ghazali,Shazwan Fitri Razali and Hishamuddin Jamaludin	UniversitiTeknologi Malaysia	Investigation of the Minimized Pressure Drop of Four Refrigerants i Small Channel with Genetic Algorithm
11.45- 12.00	B9.5	Hajime Yabase,Kiyoshi Saito and Arnas, M. Idrus Alhamid and Nasruddin	Waseda University, University of Indonesia	Performance of Solar Air-conditioning System in Indonesia

SESSIONB10. ICSERA + Refrigeration
Chair : M. Idrus Alhamid
Wednesday, 12 August 2015 1.00 ±3.00 pm
Venue: Selaparang room

Time	No. ID	Authors	Affiliation	Title
1.00- 1.15 pm 1.15- 1.30 pm	B10.1 (invited)	Prof. Sangkwon Jeong		Development Of Cryogenic
1.30- 1.45 pm	B10.2	Lemington, Nasruddin	Universitas Indonesia	Numerical Simulation of two-bed Solar Driven Adsorption Chiller Based on Indonesian Climate
1.45- 2.00 pm	B10.3	Ardiyansyah Yatim, Adam Adiwinata	University of Indonesia, Heat International, De RITZ Bld 3A fl	Hydrocarbon Refrigerant Applications in Indonesia
2.15- 2.30 pm	B10.4	S.A. Adam, A.S. Pamitran, Nasruddin, M.I. Alhamid	Universitas Indonesia	Observation on Two-Phase Flow boiling of R290 in Horizontal Circular Tube
2.30- 2.45 pm	B10.5	Kyoo-Whan KIM, PHAM Quang Vu ,Kwang-IlCHOI , JonngTaekOH	Chonnam National University,	An experimental study of condensation heat transfer of R410A inside small hydraulic diameter multiport aluminum tubes.
2.45- 3.00 pm	B10.6	Kyoo-Whan Kim,Nguyen-Ba Chien, Kwang Il Choi and JongTaek Oh	Chonnam National University	Two Phase Frictional Pressure Drop of R410a During Evaporation Inside Aluminum Multiport Minichannels
3.00 ±3.15 pm	B10.7	Ir. Nasruddin, M.Eng	Universitas Indonesia	Design And Experimental Study Of Air Conditioning System Using Bldc Compressor In Molina(Mobil Listrik Nasional/ National Electric Car)

SESSIONB11. Fluid
Chair : Warjito
Wednesday, 12 August 2015, 1.00 – 3.00 pm
Venue : Rinjani 1

Time	No. ID	Authors	Affiliation	Title
1.00 - 1.15 pm	B11.1 (invited)	Prof. Sangkwon Jeong		Development Of Cryogenic
1.15 - 1.30 pm				
1.30 - 1.45 pm	B11.1	Dedih Sapjah	Universitas Indonesia	Drag reduction of silica sand flowing in spiral pipe by varying ratio o pitch and diameter
1.45 - 2.00 pm	B11.2	Y B Lukiyanto	Sanata Dharma University, Yogyakarta	Double U Pipe Configuration of Centifugal Reaction Pump for Wind Pumping
2.15 - 2.30 pm	B11.3	Budiarso	Faculty of Engineering, Universitas Indonesia	Hydraulic Openflume Turbine Blade Angle Optimization with Numerical Method
2.30 - 2.45 pm	B11.4	Prapti Mahandari Cokorda, Mohamad Yami	Gunadarma University	Oil Spill in the Form of Tar Ball
2.45 - 3.00 pm	B11.5	Mirmanto	Mataram University	Local Pressure Measurements of Flow Boiling in a Microchannel

SESSIONB12. Fluid
Chair : Budiarso
Wednesday, 12 August 2015, 3.00 – 4.45 pm
Venue : Rinjani 1

Time	No. ID	Authors	Affiliation	Title
3.30 - 3.45 pm	B12.1	Andrian Wicaksono, Warjito	Universitas Indonesia	Looped Gas Pipe Network Optimization using Genetic Algorithm
3.45 - 4.00 pm	B12.2	Harinaldi, Warjito, Manus Setyantono, and Antonio Nathan Bulangan Marpaung	Universitas Indonesia	Characteristics of Small Bubble Generation by Single Nozzle in Reagent and non-Reagent Liquid with Flow Rate as Variant at Flotation System
4.00 - 4.15 pm	B12.3	Ahmad Indra Siswantara, Steven Darmawan, Asyari Daryus	University of Indonesia, University of Tarumanagara, Darma Persada Universi	Turbulence Flow Analysis in Auxiliary Gas Turbin of Prote3X Bioenergy Micro Gas Turbine
4.15 - 4.30 pm	B12.4	Adi Surjosatyo, Sigit Prasetyo N	Universitas Indonesia	Gasification Application Study On Ceramic And Pottery Industry: Flame Pattern Study On Percentage Mixture Of Rice Husk And Coconut Shell As Fuel In A Downdraft Gasification System
4.30 - 4.45 pm	B12.5	Harinaldi, Budiarso, James , Depri	Universitas Indonesia	Experimental Study Of A Plasma Actuators Utilization As One Of A Active Flow Control Method To Velocity Characteristics Profile On A Quiet Flow

SESSIONB13. Energy Conversion
Chair : I Made Kartika Dhiputra
Wednesday, 12 August 2015, 1.00 – 3.00 pm
Venue : Rinjani 2

Time	No. ID	Authors	Affiliation	Title
1.00 - 1.15 pm	B13.1	sholahudin, Azimil Gani Alam, Chang Ho Baek	Kookmin University	Heating Load Prediction Using Neural Network Method
1.15 - 1.30 pm	B13.2	Stefan Mardikus, Vinsensius Tiara Putra	Sanata Dharma University	Analysis Of Heat Transfer For Fin And Circular Tube Heat Exchang Using Combined Vortex Generators
1.30 - 1.45 pm	B13.3	Syaiful, Widayat, Myung whan Bae	UNDIP, Gyeongsang National University	Performance and Smoke Emission Characteristics of Direct Injectio Diesel Engine with Cooled and Hot EGR Systems Fueled by Diese Fuel, Jatropha Oil and Wet Methanol Blends
1.45 - 2.00 pm	B13.4	Syahrul, Sukmawaty	University Mataram	Effect of Inlet Air Velocity in Desorption Characteristics of Sorption Material in Fluidized Bed with a Heating Pipe
2.15 - 2.30 pm	B13.5	Tutik Sriani	Universitas Muhammadiyah Yogyakarta	Waste Cooking Palm Oil: From Trash to Energy
2.30 - 2.45 pm	B13.6	Ahmad Syuhada, Zahrul Fuadi, and Muhammad Ilham Maulana	Syiah Kuala University	Analysis of Wind Energy Potensial for Agriculture Pump in Mountain Area Aceh Besar
2.45 - 3.00 pm	B13.7	Zahrul Fuadi, Koshi Adachi, Takanori Takeno	Syiah Kuala University	Tribological Behavior of Amorphous Carbon Coated Stainless Stee under Palm Methyl Ester Contained Diesel Oil

SESSIONB14. Energy Conversion
Chair : Nasruddin
Wednesday, 12 August 2015, 3.30 – 5.00 pm
Venue : Rinjani 2

Time	No. ID	Authors	Affiliation	Title
3.30 - 3.45 pm	B14.1	Chonggun Choi, Woo Sung Choi, Taeyong Chung, Seungsic Hwang, Donghoon Shin	Kookmin university	Effects on reduction of NO according to the position and direction o the secondary air
3.45 - 4.00 pm	B14.2	A Prasetyadi, Dian Ari Anto, Doddy Purwadianta, Rusdi Sambada	Universitas Sanata Dharma	Solar Tracker For Vertical Solar Distillation Apparatus
4.00 - 4.15 pm	B14.3	I Made Kartika Dhiputra, Ridho Ernandi	Faculty of Engineering, Universitas Indonesia	Analisis of Experimental Flame Stability on LPG Fuel on Bunsen Burner Modified with Variation Length of Barrel and Swirling Fan
4.15 - 4.30 pm	B14.4	I Kade Wiratama, I Nyoman w Satiawan,	Mataram University	Optimisation of Distribution Microtabs on Re-Design Blade Wind Turbine AWT-27
4.30 - 4.45 pm	B14.5	Bambang Sugiarto,Setia Abikusna and De Suntoro	University of Indonesia, Astra Manufacturing of Polytechnic	Optimization Of Low-Grade Bioethanolcompact Distillator Using Waste Heat Motorcycle

4.45- 5.00 pm	B14.6	I Made KartikaDhiputra, Johni Jonatan Numberi, Mario Melsadakh Bill Maryunan Christ, Arifia Ekayuliana	Universitas Indonesia	Oscillation Phenomenon in Laminar Jet Flame in Combustion of Metroxylon sago Dregs

SESSIONB15. Poster Session forMechanical and Marine Engineering
Chair :
Tuesday, 11 August 2015, 10.00- 10.30 am; 12.00-1.00pm; 3.00- 3.30pm; 5.00-7.00pm
Venue :Pre-Function Hall

Time	No. ID	Authors	Affiliation	Title
10.00- 10.30 am; 12.00-1.00pm; 3.00- 3.30pm; 5.00-7.00pm	B15.1	Syahrul, Sukmawaty	University Mataram, Indonesia	A preliminary study of a new fluidized bed drying system for corn material
	B15.3	Didik Sugiyanto	University 17 Agustus 1945 Jakarta	Simulation Analysis Of Defects Tearing At Body Oil Production Process Results Filter By Using Ansys Se 6.5 Program
	B15.4	Donghwa Lee	kookmin univ. new energy lab	Visualization of OH radical in furnace having characteristics of flameless combustion by inversely injected air
	B15.5	woojin kim	kookmin univ, korea.	An experimental study on the optimization of LPG reforming reaction utilizing flameless combustion technology
	B15.6	Hiroki Mano, Mitsuo Notomi	Meiji University	The New Design for Measuring Transmission Rate and Storage $PRXQW RI +\GURJHQ 3HUPHDEOH 0HPE
	B15.7	Naohiro Okubo, Hiromu Ishii, Mitsuo Notomi	Meiji University	The Study of Variant Selection for Shape Memory Effect on Fe-Mn-Si Based Alloy with EBSD
	B15.8	Suprianto, Tugiman,Chandra Andrika, Nursuci Ade, Hiroshi Asanuma	University of Sumatera Utara	Characteristics Of Metal Matrix Composites Reinforced With Palm Oil Fly Ash Fabricated By Using Stir Casting And Centrifugal Casting Methods
	B15.9	Yutaro Suzuki, Junko Hieda, Naoto Ohtake, Hiroki Akasaka	Tokyo Inst. of Tech.,	Mechanical Properties Of Amorphous Carbon Films Deposited from Carbon Stable Isotope Materials
	B15.10	J. Hieda, M. Niinomi, M. Nakai, K. Cho	Tohoku University	Evaluation Of Adhesivestrength Between Ti-29nb-13ta-4.6zr Alloy And Sol-Gel Fabricatedhydroxyapatite Films
	B15.11	Ruben Septianus, Murugesan Jayakash, Yukio Miyashita, TesturiYamada, Kiyoshi Shirato	Nagaoka University of Technology	Adhesion Behavior of Mechanically Joined Parts of Aluminum Alloy

SESSION B16. Poster Session for Mechanical and Marine Engineering
Chair :
Wednesday, 12 August 2015, 10.00 - 10.30 am; 12.00 - 1.00pm; 3.00 - 3.30pm; 5.00 - 7.00pm
Venue : Pre-Function Hall

Time	No. ID	Authors	Affiliation	Title
10.00 - 10.30 am; 12.00-1.00pm; 3.00 - 3.30pm; 5.00 - 7.00pm	B16.1	Naoki Maeda, Mistuo Notomi	Meiji University	Development for Hydrogen Storage Mg-Ti Solid Solution by Mechanical Alloying
	B16.2	Hiroaki Ishii, Takuma Matsuo	Meiji University	Development of Damage Detection Technique for Sheet-type Lithium-Ion Batteries Using Acoustic Emissions
	B16.3	Yudai Yasumoto, Hikaru Masui, Mitsuo Notomi	Meiji University	Impact Resistance of the Glasses installed Laminated Film and Aramid Fiber Cloth
	B16.4	Hiromu Ishii, Naohiro Okubo, Mitsuo Notomi	Meiji University	Influence of Annealing on Shape Memory Property in Fe-Mn-Si Based Alloy
	B16.5	Masaaki Otsu, Wei Jiang, Takayuki Muranaka, Ryo Matsumoto, Masato Okada	University of Fukui, Osaka University	Friction Stir Incremental Forming of Aluminum Alloy Sheets with Back Support Die
	B16.6	Shunsuke Watanabe, Mituo Notomi	Department of Mechanical Engineering, Ditto	The development of Cu-Sn Alloy with Mechanical Alloying
	B16.7	Makoto Nikawa, Hiroki Mori, Yuki Kitagawa, Masato Okada	Gifu University, University of Fukui	Fem Simulation For Two-Dimension Cutting Of Titanium Alloy
	B16.8	Jumpei Nishikawa,Masayuki Nakano,Junko Hieda, Naoto Ohtake, Hiroki Akasaka	Tokyo Institute of Technology	Corrosion Resistance Of Si-Doped Amorphous Carbon Films Against Nitric Acid
	B16.9	Kazuyuki Furuya, Fumio Takeo, Hiroshi Yokoyama, Tomoharu Akagaki	Hachinohe National College of Technology	Tensile And Fatigue Behaviors For Lap-Seal Welds Of Liquid Lithium Pipes At Elevated Temperature
	B16.10	Fumio Takeo, Kazuyuki Furuya, Michitoshi Toyota, Hiroki Naomachi, Daiki Yamada, Syogo Sasaki, Tomoharu Akagaki, Hitoshi Soyama	Hachinohe National College of Technology	Effect Of Local Plastic Processingon Fatigue Strengthof Steel Platewitha Hole
	B16.11	Zainuddin Sajuri, Noradila Abdul Latif,Junaidi Syarif, Yukio Miyashita and Yoshiharu Mutoh	Universiti Kebangsaan Malaysia,	Elastic-Plastic Fracture Toughness Of Extruded-Mg-Zn Alloys

SYMPOSIUM C: ELECTRICAL AND COMPUTER ENGINEERING

SESSION C1. EMWave: Radar, Antenna
Chair : Prof. Dr. Ir. Djoko Hartanto, M.Sc and Dr. Ir. Muhammad Asvial, M.Eng
Tuesday, 11 August 2015, 1.00-3.15 pm
Venue: Gili Air (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
1.00- 1.30 pm	C1.1 (Invited)	Prof. Josaphat Tetuko Sri Sumantyo, PhD	Chiba University	Development of Microsatellites for Profiling Lithosphere & Atmosphere Characteristics to Support Human Life and Sustainable Environment
1.30- 2.00 pm	C1.2 (Invited)	Prof. Michiharu Tabe	Shizuoka University	Recent Progress In Single-Dopant Atom Devices
2.00- 2.15 pm	C1.3	Nur Aeni, Heroe Widjanto and Agus Dwi Prasetyo	Universitas Telkom	Design And Realization Chirp Generator For Synthetic Aperture Ra (SAR)
2.15- 2.30 pm	C1.4	Basari, Arwan Priatna, Eko Tjipto Rahardjo and Fitri Yuli Zulkifli	Universitas Indonesia	Design Of RF Birdcage Coil Without Lumped Elements For MRI 3T System
2.30- 2.45 pm	C1.5	Rudy Yuwono, Erni Yudaningtyas, Endah Budi Purnomowati, Gezadio Dhuha S and Faisal Ramadhan	Universitas Brawijaya	The Additional Ellipse Shapeon Star Patchmicrostripantenna Foruv With Dual Bandoperating Frequency Of (1.759 Ghz-3.237 GHz) And (4.451 GHz-5.992 GHz)
2.45- 3.00 pm	C1.6	Meta Herawati Haliem, Heroe Wijanto and Bambang Setia Nugroho	Universitas Telkom	Correction Of Radiation Pattern Measurement In Non-Anechoic Chamber At Frequency Range Of 2 To 3 GHz Using FFT-Based Method
3.00- 3.15 pm	C1.7	Masaaki Nagatsu, Anchu Viswan, Enbo Yan Ru Hui, Shubin Yang, Masaaki Nagatsu, Han Chou, Mihai A. Ciolan, Ru Hui, Shubin Yang, and Wang Xiangke	Shizuoka University	Plasma Surface Modification of Graphite-encapsulated Metal Nanoparticles Fabricated by DC Arc Discharge

SESSION C2. EMWave: Antenna, Microwave Propagations/Circuits
Chair : Dr. Basari, M.Eng and Rudy Yuwono, S.T., M.Sc.
Tuesday, 11 August 2015, 3.30-5.00 pm
Venue: Gili Air (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
3.30- 3.45 pm	C2.1	Muhammad Fauzan Edy Purnomo, Rudy Yuwono and Basari	Universitas Brawijaya	The Effect Of Stub-Fed Equilateral Triangular Microstrip Patch Antenna For Mobile Satellite Communications
3.45- 4.00 pm	C2.2	Anggit Dwi Novella, Heroe Wijanto and Agus Dwi Prasetyo	Universitas Telkom	Dual-Feed Circularly Polarized Microstrip Antenna For S-Band Transmitter Of Synthetic Aperture Radar (Sar) System
4.00- 4.15 m	C2.3	Nurul Hidayah, Heroe Wijanto and Agus Dwi Prasetyo	Universitas Telkom	Design And Realization Of Antenna Deployment Uhf For Ttc Downlink Application With Nanosatellite Structure As Groundplane
4.15- 4.30 pm	C2.4	Erni Yudaningtyas, Rudy Yuwono, Endah Budi Purnomowat, Gezadio Dhuha S, Faisal Ramadhan	Universitas Brawijaya	Star Patch Microstrip Antenna For Operating Frequency At 1.924 G 3.009 Ghz
4.30- 4.45 pm	C2.5	Ratih T. Prodoningrum, Heroe Wijanto and Agus D. Prasetyo	Universitas Telkom	Antenna Deployment For Automatic Packet Reporting System Of Nanosatellite Using Global Positioning System As A Height Senso
4.45- 5.00 pm	C2.6	Septian Wahyu Kusuma Wardhani, Basari, Fitri Yuli Zulkifli and Eko Tjipto Rahardjo	Universitas Indonesia	Effect Of Human Head Phantom Models On The Performance Of Antennas In Ultra Wide-Band Frequency

SESSION C3. ELECTRONICS AND SENSORS: Nano Materials, Sensor
Chair : Prof. Dr. Ir. Nji Raden Poespawati, MT and Prof. Yoshimasa Kawata
Tuesday, 11 August 2015, 1.00-3.00 pm
Venue: Gili Meno (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
1.00 - 1.30 pm	Invited Speaker Session in Gili Air Venue (Lombok Raya Hotel)			
1.30 - 2.00 pm				
2.00 - 2.15 pm	C3.1	Tomy Abuzairi, Mitsuru Okada, Yohei Mochizuki, Masaaki Nagatsu, Nji Raden Poespawati2 and Retno Wigajatri Purnamaningsih	Shizuoka University	Atmospheric Pressure Plasma Functionalization Of Carbon Nanot Dot-Array With Two-Stage Plasma Treatments For The Developm Of Bio-Chip Sensors
2.15 - 2.30 pm	C3.2	Yoshimasa Kawata, Taiki Nagashima and Wataru Inami	Shizuoka University	Optically Controllable Electrophoresis With A Photoconductive Substrate
2.30 - 2.45 pm	C3.3	0 R F K D P P D G 5 L I ¶ D Q 1 D Q D (Onny Setyawati	Universitas Brawijaya	Detection Of Tropical Tubers Using A Capacitive Sensor
2.45 - 3.00 pm	C3.4	Jun Kondoh and Noriyuki Ohashi	Shizuoka University	Measurements Of Blood Coagulation Using Digital Micro-Fluidic System Based On Surface Acoustic Wave Devices
3.00 - 3.15 pm	C3.5	Agus Naba, Muhammad Fadlil Khoironi and DJ Djoko Herry Santjojo	Universitas Brawijaya	Low Cost But Accurate Ultrasonic Distance Measurement Using Combined Method Of Threshold-Correlation

SESSION C4. ELECTRONICS AND SENSORS: Sensor, Nano Electronics Devices
Chair : Prof. Dr. Hiroshi Inokawa and Arief Udhiarto, ST,MT.
Tuesday, 11 August 2015, 3.30-5.00 pm
Venue: Gili Meno (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
3.30 - 3.45 pm	C4.1	Hiroshi Inokawa, Daiki Yamasaki and Hiroaki Satoh	Shizuoka University	Characterization Of Single-Electron Transistor At High Frequency
3.45 - 4.00 pm	C4.2	Ratno Nuryadi, Rina Dewi Mayasari, Lia Aprilia and Brian Yuliarto	BPPT	Fabrication Of Zno/Au/Prism-Based Surface Plasmon Resonance Device For Gas Detection
4.00 - 4.15 m	C4.3	Sang-Bum Kang, Chang-Ju Lee, Chul-Ho Won, Yi-Sak Koo, Jung-Hee Lee, Sung-Ho Hahm, Seul-Ki Hong and Byung-Jin Cho	Kyungpook National University	Double-Wavelength Sensitive Algan/Gan MISIM UV Sensor Using Multi-Layer Graphene As Schottky Electrodes
4.15 - 4.30 pm	C4.4	Ponky Ivo		Types Of Degradation Modes Of Algan/Gan High Electron Mobility Transistors (Hemts) In Dependence On Epitaxial Design And Buff Quality
4.30 - 4.45 pm	C4.5	Hidenori Mimura, Yoichiro Neo, Toru Aoki and Takahiro Matsumoto	Shizuoka University	High Quantum Efficiency Photocathode Using Surface Plasmon Resonance
4.45 - 5.00 pm	C4.6	Anak Agung Ngurah Gde Sapteka, Ka. Purwiyanti, A. Udhiarto, H. Sudibyo, D. Hartanto, H.N. Tan, R. Unno, D. Moraru and M. Tabe	Universitas Indonesia	I-V Characteristics Of Highly-Doped P-I-N Diodes

SESSIONC5. Poster Session for Electrical and Computer Engineering
Chair : Dr. Ir. Retno Wigajatri P., MT.
Tuesday, 11 August 2015, 10.00- 10.30 am; 12.00- 1.00 pm; 3.00- 3.30 pm; 5.00- 7.00 pm
Venue : Pre-Function Hall

Time	No	Authors	Affiliation	Title
10.00- 10.30 am; 12.00- 1.00 pm; 3.00- 3.30 pm; 5.00- 7.00 pm.	C5.1	Ferry Fachrizal, Darmeli Nasution, T.Henny Febriana Harumy and Julham	Universitas Pembangunan Pancabudi Medan	Neural Network Priority Assessment Derivative Products Aluminium For Optimizing Downstream In Developing Local Economy" (PT.INALUM)
	C5.2	Desi Marlena and Tony Haryanto	STSN	Security In Digital Evidence: Implementation Visual Cryptography Scheme
	C5.3	Prima Dewi Purnamasari and Gandhi Arseg	Universitas Indonesia	Analysis Of Indoor Sensor Monitoring System Based On Intel Galile And Thingspeak Web Service
	C5.4	Rini Wisnu Wardhani and Arga Dhahana Pramudianto	National Crypto Institute	Openvpn-Nci On Single Board Computer (Sbc) Raspberry Pi Mod B+: A Stream Cipher Implementation On Personal Vpn Gateway Device
	C5.5	A. R. Utomo, F. Husnayain and PS. Priambo	Universitas Indonesia	An Enhanced Analysis Of Lead-Acid Battery Operasional Based On 3 H X N H U W Œ) R U P X O D
	C5.6	Dewanto Indra Krisnadi, Rudy Setiabudy and Iwa Garniwa	Institut Teknologi Bandung	Monitoring Dissolved Gas At Transformer
	C5.7	Fahmi Rismawan Subarkah, S.S.T.TP and Magfirawaty.M.Si	Lembaga Sandi Negara	The Implementation Of T-D20 Block Cipher Algorithm And Dongle Design On Field Programmable Array (FPGA)

SESSION C6. COMPUTER: Computer Science
Chair : Prof. Dr. Ir. Riri Fitri Sari, M.Sc., MM and Teguh Bharata Adji, ST., MT., M. Eng., Ph.D
Wednesday, 12 August 2015, 8.00 - 10.00 am
Venue : Gili Air (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
8.00 - 8.15 am	C6.1	KZ Widhia Oktoeberza, Hanung Adi Nugroho and Teguh Bharata Adji	Universitas Gajah Mada	Comparative Study Of Feature Selection And Classification Techniques For Diagnosis Of Heart Disease
8.15 - 8.30 am	C6.2	Misbahuddin and Riri Fitri Sari	Universitas Indonesia	Bayesian Mixture Model For Prediction Of Bus Arrival Time
8.30 - 8.45 am	C6.3	Anan Nugroho, Hanung Adi Nugroho and Lina Choridah	Universitas Gadjah Mada	Thyroid Nodule Segmentation Using Active Contour Bilateral Filtering on Ultrasound Images
8.45 - 9.00 am	C6.4	Prima Dewi Purnamasari, Puja Romulus, Yan Maraden and Anak Agung Putri Ratna	Universitas Indonesia	An Analysis Of Optical Character Recognition Implementation For Batak Ancient Characters Using K-Nearest Neighbour Principle.
9.00 - 9.15 am	C6.5	Tri Astuti, Hanung Adi Nugroho and Teguh Bharata Adji	STMIK Amikom Purwokerto	The Impact Of Different K-Fold For Cross Validation Of Missing Values Imputation Method On Hepatitis Dataset
9.15 - 9.30 am	C6.6	Magfirawaty, Suryadi and Kalamullah Ramli	Universitas Indonesia	On The Design Of True Random Number Generator Using Ring Oscillators and Chaotic System as Post-Processing
9.30 - 9.45 am	C6.7	Annisa Maulida Ningtyas, Teguh Bharata Adji and Silmi Fauziati	Universitas Gadjah Mada	The Influence Of Lexicon Mapping To Accuracy Improvement On Sentiment Analysis
9.45 - 10.00 am	C6.8	Bisyron Wahyudi Masduki, Kalamullah Ramli, Ferry Astika Saputra and Dedy Sugiarto	Universitas Indonesia	Study On Implementation Of Machine Learning Methods Combination For Improving Attacks Detection Accuracy On Intrusion Detection System (IDS)

SESSION C7. COMPUTER: Computer Science, Computer App
Chair : Prima Dewi Purnamasari, ST, MT, M.Sc and Zulkifli Tahir, ST, M.Sc
Wednesday, 12 August 2015, 10.30 - 12.00 pm
Venue : Gili Air (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
10.30 - 10.45 am	C7.1	Yohan Suryanto, Suryadi and Kalamullah Ramli	Universitas Indonesia	Chaos Properties of the Chaotic Permutation Generated by Multi Circular Shrinking and Expanding Movement
10.45 - 11.00 am	C7.2	Aswandi, S.Kom., M.Kom and Leni Marlina, S.Kom., M.Kom	Politeknik Negeri Lhokseumawe	The Effect Of Blog As A Learning Media For Muhammadiyah School Of Lhokseumawe City
11.00 - 11.15 am	C7.3	Asril Jarin, Kalamullah Ramli and Suryadi	Universitas Indonesia	Analytic Model Of Sentence Streaming Using TCP For Speech Recognition
11.15 - 11.30 am	C7.4	Zulkifli Tahir, Tsutomu Inamoto, Yoshinobu Higami and Shinya Kobayashi	Universitas Hasanuddin	An Automated HTML5 Offline Services (AHOS) A Case Study Of Web-Based Maintenance DSS In Smis
11.30 - 11.45 am	C7.5	Anak Agung Putri Ratna, Ilyas Taufiqurrohman, Ardiansyah, Boma Anantasatya Adhi and Dewi Purnamasari	Universitas Indonesia	Comparison Of OSSEC, Suricata, And Honeyd On Network Security System
11.45 am - 12.00 pm	C7.6	Desi Marlena and Bondan Estuwira S	STSN	Implementation Hash on Android Smartphone To Provide Digital Image Data Integrity

SESSION C8. COMPUTER: Digital Image Processing
Chair : Hanung Adi Nugroho S.T., M. Eng., Ph.D and I Gede Pasek Suta Wijaya, S.T., M.T., D.Eng.
Wednesday, 12 August 2015, 1.00 - 3.00 pm
Venue: Gili Air (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
1.00 - 1.30 pm	C8.1 (Invited)	Prof. Dr. Miora Mandea	Centre National d'Etudes Spatiales, France	Contributions of Electrical Engineering on Future Geomagnetism
1.30-1.45 pm	C8.2	Nur Afny C. Andryan, Dodi Sudiana and Dadang Gunawan	Universitas Indonesia	Progress On Image Reconstruction Methods For Electrical Capacitance Based Tomography
1.45 - 2.00 pm	C8.3	Faisal Najamuddin, Hendra Marcos and Hanung Adi Nugroho	Universitas Gajah Mada	Rule Selection Based Using Rough Set Theory For Diagnosis Of Breast Cancer On Digital Mammogram Images
2.15 - 2.30 pm	C8.4	I Gede Pasek Suta Wijaya, IBK Widiartha, Keiichi Uchimura and Gou Koutaki	Universitas Mataram	Pornographic Image Rejection Using Eigenporn Features Of Skin Rois Images
2.30 - 2.45 pm	C8.5	Prima Dewi Purnamasari, Jodhi Adhikaprana Sardjono, and Dean Zaka Hidayat	Universitas Indonesia	Color Code: An Innovative And Attractive Way To Differentiate Products
2.45 - 3.00 pm	C8.6	Febri Maspiyanti, Febri Maspiyanti and Aniati Murni Arymurthy	Universitas Pancasila	Paddy Growth Stages Classification Based On Hyperspectral Imag Using Feature Selection Approach

SESSION C9. EM Wave: Microwave Propagation/Circuits , Electromagnetism, Photonics Propagation
Chair : Prof. Dr.-Ing. Mudrik Alaydrus and Dr. rer. nat Teti Zubaidah, ST., MT.
Wednesday, 12 August 2015, 3.30 - 5.00 pm
Venue: Gili Air (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
3.30 - 3.45 pm	C9.1	Yomi Guno, Basari, Fitri Yuli Zulkifli and Eko Tjipto Rahardjo	Universitas Indonesia	Microstrip Antenna Implementation On Small UAV
3.45 - 4.00 pm	C9.2	Said Attamimi, Subiyanto, and Mudrik Alaydrus	Universitas Mercu Buana	Designing Dual-Band Pass Filter By Coupled Resonators
4.00 - 4.15 m	C9.3	Denek Bini Tindih Ringubaya, Teti Zubaidah, and Agung Budi Muljono	Universitas Mataram	Factual Electromagnetic Field Exposure Under 150 Kv Power Transmission Line, Nusra Ii, Lombok
4.15 - 4.30 pm	C9.4	Bulkis Kanata, Teti Zubaidah	Universitas Mataram	Quiet Time Localization Of Geomagnetic Data For Japanese Regio
4.30 - 4.45 pm	C9.5	Ucuk Darusalam, Purnomo Sidi Priambodo and Eko Tjipto Rahardjo	Universitas Indonesia	Noise Suppression In Signal Spectral Of FSOC Induced By Turbulences Media
4.45 - 5.00 pm	C9.6	Made Sutha Yadnya and I Wayan Sudiarta	Universitas Mataram	Simulation Propagation Of Satellite Mobile Communications In Urban And Rural Areas Impact Rain Conditions

SESSION C10. ENERGY: System
Chair : Prof. Ir. Rudy Setiabudy, M.Sc., Ph.D and Prof. Dr. Ir. Iwa Garniwa M K, MT.
Wednesday, 12 August 2015, 8.00 - 10.00 am
Venue: Gili Meno (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
8.00 - 8.15 am	C10.1	W. G. Ariastina, I N. S. Kumara, C. G. Indra Partha, I G. Dyana Arjana, I W. Arta Wijaya, A. A. N. Amrita, and I. A. D. Giriantari	Universitas Udayana	Frequency Response Measurement Of A Power Transformer
8.15 - 8.30 am	C10.2	I Made Wartana	Institut Teknologi Nasional Malang	A Multi-Objective Problems For Optimal Integration Of The Dg To The Grid Using The Nsga-Ii
8.30 - 8.45 am	C10.3	Henry Pariaman, Iwa Garniwa, Isti Surjandari, and Bambang Sugiarto	Universitas Indonesia	The Integrated Methodological Development Of Reliability, Risk And Condition-Based Maintenance In The Improvement Of Thermal Power Plant Availability
8.45 - 9.00 am	C10.4	Isworo Pujotomo, and Retno Aita Diantari	Sekolah Tinggi Teknik-PLN	Dense Medium Cyclone Technology To Improve Quality Of Coal
9.00 - 9.15 am	C10.5	Nurul Hiron, Asep Andang, and Husni Mubarok	Universitas Siliwangi	Energy Information System (Eis) As Energy Mix Projections With Trend Analysis Approach For The Scenario Achievement Of The National Energy Policy In 2025
9.15 - 9.30 am	C10.6	Faiz Husnayain, M. Latif, and I. Garniwa	Universitas Indonesia	Transformer Oil Lifetime Prediction Using The Arrhenius Law Based Physical And Electrical Characteristics
9.30 - 9.45 am	C10.7	Hartono BS, Rudy Setyabudy, Eko Adhi Setiawan, and Budiyanto	Politeknik Negeri Bandung Indonesia	Development Method For Paralleling Inverters On Microgrid When Islanding Condition Using Reconfiguration Of Pv Circuit
9.45 - 10.00 am	C10.8	Rudy Setyabudy, Hartono BS, and Budiyanto	Universitas Indonesia	Development Energy Management Strategy To Optimize Battery Operation In Islanding Microgrid Using Zero One Integer Programming

SESSION C11. ENERGY: Renewable
Chair : Dr.-Ing. Eko Adhi Setiawan, ST., MT. and Isworo Pujotomo
Wednesday, 12 August 2015, 10.30 - 12.00 pm
Venue: Gili Meno (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
10.30 - 10.45 am	C11.1	Retno Aita Diantari and Isworo Pujotomo	Sekolah Tinggi Teknik PLN	Solar PV Power Plant Design For Optimal Production Of Electrical Energy
10.45 - 11.00 am	C11.2	Syahril Ardi	Politeknik Manufaktur Astra	Design Of Pokayoke Sensor Systems In Engraving Machine To Overcome Upside Defect Production Using Programmable Logic Controller
11.00 - 11.15 am	C11.3			
11.15 - 11.30 am	C11.4	Nor Zaihar Yahaya, Yee Kang Yung, Balbir S Mahinder Singh	Universiti Teknologi Petronas	Development Of Wireless Charging For Mobile Application Using PV Module
11.30 - 11.45 am	C11.5	Luh Krisnawati, Rudy Setiabudy, Eko Adhi Setiawan	Universitas Indonesia	The Application Of Feeds In Tariff On Renewable Energy Markets In Indonesia To Support The Achievement Of The Planned Energy Mix
11.45 am - 12.00 pm	C11.6	Heri Suyanto	Sekolah Tinggi Teknik PLN	The Causes and Countermeasures of Power Loss of Photovoltaic Modules

SESSION C12. ELECTRONICS AND SENSORS: Nano Electronics Devices, Electronics Circuits
Chair : Dr. Daniel Moraru and Dr. Ratno Nuryadi, M. Eng.
Wednesday, 12 August 2015, 1.00 - 3.00 pm
Venue: Gili Meno (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
1.00 - 1.30 pm	Invited Speaker in Gili Air Venue (Lombok Raya Hotel)			
1.30-1.45 pm	C12.1	Daniel Moraru, Krzysztof Tyszka, Yuki Takasu, Arup Samanta, Takeshi Mizuno, Ryszard Jablonski, and Michiharu Tabe	Shizuoka University	Physics Of Strongly Coupled Dopant Atoms In Nanodevices
1.45 - 2.00 pm	C12.2	Arief Udhiarto, Yefa Sister, Sandi Iman R, Muhammad Asvial, Badrul Munir	Universitas Indonesia	Effect Of Hole Transport Layer And Electron Transport Layer On The Performance Of A Single Emissive Layer Organic Light Emitting Diod
2.15 - 2.30 pm	C12.3	Yoichiro Nakanishi, Hiroko Kominami and Kazuhiko Hara	Shizuoka University	Preparation Of Srga2s4:Eu Thin Film Phosphors For LED Lighting By Laser Annealing
2.30 - 2.45 pm	C12.4	Catherine Olivia Sereati,Trio Adiono, Adang Suwandi Ahmad, and Arwin Datumaya Wahyudi Sumari	Institut Teknologi Bandung	Study Of Information Fusion Methodology And Knowledge Growing System Algorithm To Design Cognitive Processor
2.45 - 3.00 pm	C12.5	Nanang Sulistiyanto, Mochammad Rif'an, and Onny Setyawati	Universitas Brawijaya	Design And Prototype Of LED Driver Based On Buck Converter Using A FPGA Module

SESSION C13. Electronics and Sensors: Photonics Devices, TELECOMMUNICATION : Wireless
Chair : Sasono Rahardjo and Dr. Muhammad Suryanegara, ST, M.Sc
Wednesday, 12 August 2015, 3.30 - 5.00 pm
Venue: Gili Meno (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
3.30 - 3.45 pm	C13.1	Purnomo Sidi Priambodo, Sasono Rahardjo, Gunawan Witjaksono, and Djoko Hartanto	Universitas Indonesia	Optimizing Coupling Region As Sensing Area In Optical Ring Resona Sensor Applications
3.45 - 4.00 pm	C13.2	Lia Aprilia, Ratno Nuryadi, Rina Dewi Mayasari, Dwi Gustiono, Masmui, Jarot Raharjo, Yelvia Deni, Brian Yuliarto, Muhammad Iqbal, and Djoko Hartanto	BPPT	Growth Of Zinc Oxide Sensitive Layer On Microcantilever Surface Fo Gas Sensor Application
4.00 - 4.15 m	C13.3	Dedy Septono Catur Putranto, Rini Wisnu Wardhani, Hiroaki Satoh, Atsushi Ono, Hiroshi Inokawa, Purnomo Sidi Priambodo,Djoko Hartanto, Kazuhiko Endo, and Meishoku Masahara	National Crypto Institute	Single Photon Detection By Fin-Type Field-Effect Transistors
4.15 - 4.30 pm	C13.4	Syahfrizal Tahcfulloh, and Fransiscus Sonda Toding	Universitas Borneo Tarakan	Path Loss Prediction For GSM 900 Signal Strength Measurements
4.30 - 4.45 pm	C13.5	Muhammad Suryanegara, Mukhammad Khalimudin, and Naufan Raharya	Universitas Indonesia	7 K H & R P S D U L V R Q E H W Z H H Q $ V \ P P H W U L F Interleaver and LTE Turbo Code
4.45 - 5.00 pm	C13.6	Muhammad Suryanegara, Achmad Nashirudin, and Naufan Raharya	Universitas Indonesia	The Interference Analysis Between Wireless Avionics Intra-Communications (WAIC) And EESS Systems At 22 Ghz

SESSION C14. ENERGY: System, Power Electronics
Chair : Dr. Ir. Ridwan Gunawan, MT . and I Kade Wiratama, ST., M.Sc., Ph.D
Wednesday, 12 August 2015, 8.00- 10.00 am
Venue: Gili Trawagan (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
8.00- 8.15 am	C14.1	Rina Irawati	Ministry of Energy and Mineral Resource Republic of Indonesia	Reliability Analysis Of Isolated Alternating Current Smart Microgri System
8.15- 8.30 am	C14.2	Karel Octavianus, Bambang Anggoro, Adang Suwandi Ahmad	Institut Teknologi Bandung	Power Transformer Condition Monitoring And Performance Calculatio Method Based On Information Fusion
8.30- 8.45 am	C14.3	Aryuanto Soetedjo, Abraham Lomi and Yusuf Ismail Nakhoda	ITN Malang	Simulation Of Smart Grid Using SCADA Software
8.45- 9.00 am	C14.4	Ainil Syafitri, Prof. Dr. Ir. Iwa Garniwa M. K., M.T., Dr.Ir Ridwan Gunawan,M.T, and Ir. I Made Ardita Y, M.T.	Universitas Indonesia	Simulation Of Braking And Variations Of Load In Switched Reluctanc Linear Motor
9.00- 9.15 am	C14.5	Isworo Pujotomo, Iwa G., Ridwan G., Uno B.S.	Sekolah Tinggi Teknik PLN	Comparison Analysis And Simulation Of Power System Stability 500 Kv Java Bali Using Methods Of Runge Kutta Lower Order And Higher Order
9.15- 9.30 am	C14.6	Budiyanto, Hartono BS, Rudy Setiabudy, and Leonardo	Universitas Muhamadiyah Jakarta	The Development Of Grid-Tie Inverter As Bidirectional Dc/Ac Converte In The Dc Microgrid Network
9.30- 9.45 am	C14.7	I Nyoman Wahyu Satiawan, and I Kade Wiratama	Universitas Mataram	Analysis Of Voltage Space Vectors Utilization Of Various PWM Schemes In The Dual-Inverter Fed Five-Phase Motor Drives With Equal DC-Link Voltage
9.45- 10.00 am	C14.8	Supriono, Syafaruddin, M. Budi Suksmadana and S Mariyanto Al Sasongko	Universitas Mataram	Controlling Of Vgs Voltage At Power Mosfet To Control Rotation Spe Of DC Motor
10.00- 10.15 am	C14.9	Herlina, Uno Bintang Sudibyo and Ridwan Gunawan	Universitas Indonesia	Permanent Magnet Generator Design For Wind Turbine Application

SESSION C15. COMPUTER: Computer App – TELECOM MUNICATION : Digital Signal Processing
Chair : Dr. Hugeng, ST., MT. and Endra Oey S.Kom, MT.
Wednesday, 12 August 2015, 10.30 - 12.00 pm
Venue: Gili Trawagan (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
10.30- 10.45 am	C15.1	Desi Marlena, and Bondan Estuwira S	STSN	, P S O H P H Q W B a s h L o R Q Android Smartphone To Provide Digit Image Data Integrity
10.45- 11.00 am	C15.2	Edmond Febrinicko Armay, Heni Rachmawati, Ewi Ismaredah, and Eki Saputr	State Islamic University of Sultan Syarif Kasim Riau	Implementation Of Parallel Processing In Graph Coloring To Build A Software Of Courses Timetabling
11.00- 11.15 am	C15.3	Hugeng, Febryan Laya, Wahidin Wahab, and Dadang Gunawan	Universitas Multimedia Nusantara	Implementation of HRTF Interpolations On DSP Board TMS320C553 e Z G V S Œ
11.15- 11.30 am	C15.4	Puji Hidayati Sari, Bulkis Kanata, Teti Zubaidah	Universitas Mataram	Geomagnetic Signal Processing Using Differentiation And Moving Average As Earthquake Precursor In Lombok Region
11.30- 11.45 am	C15.5	Endra Oey, Darman Jusri, Rudy Susanto	Universitas Indonesia	Implementation Of Compressive Sensing In Embedded Hardware Device
11.45 am- 12.00 pm	C15.6	Endra Oey, and Dadang Gunawan	Universitas Indonesia	Comparison Of Synthesis-Based And Analysis-Based Compressive Sensing

SESSION C16. TELECOM MUNICATION : Wireless – CONTROL AND ROBOT: Control System
Chair : Ir. Gunawan Wibisono, M.Sc., Ph.D and Ajib Setyo Arifin, ST., MT., Ph.D
Wednesday, 12 August 2015, 1.00 - 3.00 pm
Venue: Gili Trawagan (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
1.00 - 1.30 pm	Invited Speaker in Gili Air Venue (Lombok Raya Hotel)			
1.30-1.45 pm	C16.1	Ari Sadewa Yogapratama, Uke Kurniawan Usman, Tody Ariefianto Wibowo	Universitas Telkom	Planning Analysis About The Performance Of Backhaul Ba On Wi-Fi 802.11n For LTE Network On Rural Area
1.45 - 2.00 pm	C16.2	Gunawan Wibisono and Rinto Hariwijaya	Universitas Indonesia	Fms Performance Improvement In Fiber Optic Network Operator Usi Markov Chain And Fault Tree Analysis
2.15 - 2.30 pm	C16.3	Ajib Setyo Arifin	Universitas Indonesia	A Survey On Full Duplex Wireless Communications
2.30 - 2.45 pm	C16.4	Ni Putu Dewi Pusparini Pinatih and Magfirawaty	Lembaga Sandi Negara	Implementation Of Pseudo Random Number Generator Algorithms Based On Chaotic Logistic Map On An AVR Microcontroller By Utilizing A Temperature Sensor As A Key Sequence Generator
2.45 - 3.00 pm	C16.5	Wike Handini, Herlina, Rudy Setiabudy	Universitas Indonesia	Torque Ripple On Permanent Magnet Generator For Wind Turbine Applications

SESSION C17. CONTROL AND ROBOT: Control System, Robotics
Chair : Dr. Ir. Feri Yusivar, M.Eng and Prof. Dr. Kenji Murakami
Wednesday, 12 August 2015, 3.30 - 5.00 pm
Venue: Gili Trawagan (Lombok Raya Hotel)

Time	No	Authors	Affiliation	Title
3.30 - 3.45 pm	C17.1	Ane Prasetyowati, Vector Anggit P, and Gunady Haryanto	Universitas Pancasila	Infrared Heater Controller On Driyer Cocoa Beans Machine Based C Fuzzy Logic
3.45 - 4.00 pm	C17.2	Muhammad Firdaus Syawaludin Lubis and Abdul Muis	Universitas Indonesia	Fast Shadow Removal System For River Garbage Pollution Monitori
4.00 - 4.15 m	C17.3	Ridwan Gunawan and Feri Yusivar	Universitas Indonesia	Comparison Of Simulation Design Between The Hollow And Solid Rotor Core Of The Permanent Magnet Synchronous Generator
4.15 - 4.30 pm	C17.4	I Wayan Widhiada and Endra Pitowarno	Universitas Udayana	An Integrated Functional Design Process Applied To A Multifunctiona Three Fingered Gripper
4.30 - 4.45 pm	C17.5	R.A.D.M. Ranasinghe, R.M.G. Rajapakse, O.A. Illeperuma and K. Murakami	Shizuoka University	Properties of Low Temperature Synthesized Mechanoluminescent Material
4.45 - 5.00 pm	C17.6	Ajith Bandara, Devinda Liyanage, R.M.G. Rajapakse and Kenji Murakami	Shizuoka University	Application of New Spray Pyrolysis Technique to Formation of Transparent Conducting Oxide Layer

SESSIONC18. Poster Session for Electrical and Computer Engineering
Chair : Ir. Purnomo Sidi Priambodo, M.Sc., Ph.D
Wednesday, 12 August 2015, 10.00- 10.30 am; 12.00- 1.00 pm; 3.00- 3.30 pm; 5.00- 7.00 pm
Venue : Pre-Function Hall

Time	No	Authors	Affiliation	Title
10.00- 10.30 am; 12.00- 1.00 pm; 3.00- 3.30 pm; 5.00- 7.00 pm.	C18.1	Jumail Jumail Soba and Achmad Munir	Institut Teknologi Bandung	Dual-band Printed Antenna Composed of Square Patch and SRR for GPS and WLAN Application
	C18.2	Subuh Pramono and Sugihartono	Politeknik Negeri Semarang	Multiuser MIMO Downlink Precoding : Performance Results
	C18.3	Kamoliddin Mavlonov	Ehime University of Japan	Non-relational Column-based Storage System for Web Services
	C18.4	Ni Wayan Parwati Septiani, Mei Lestari	Universitas Indraprasta	Breast Cancer Detection using Naive Bayes and C3.5 Algorithms
	C18.5	Fitri Yuli Zulkifli, Triprijooetomo, Basari1 and Eko Tjipto Rahardjo	Universitas Indonesia	Ultra-Wideband Bandpass Filter with 6 GHz Rejection Band using Microstrip CRLH Metamaterial
	C18.6	Dita Tessa Parastika, Ubay M. Noor, M. Erfinza, Angga Hilman Hizrian, Fitri Yuli Zulkifli	Universitas Indonesia	Ultra Wideband Monopole Antenna Construction Using Coplanar Waveguide for High Speed Data Transfer
	C18.7	Rika Yuliana and Budi Rahardjo	Ar-Raniry Islamic State University	Designing Business Architecture For Mining Company By Using TOGAF Framework And Business Process Methodology

SYMPOSIUM D: METALLURGY AND MATERIALS ENGINEERING

SESSION D1. Advanced and Energy Materials
Chair : Prof. Dr. Ir. Akhmad Herman Yuwono
Tuesday, 11 August 2015, 1.00 - 3.00 pm
Venue : Flamboyan (Lombok Garden Hotel)

Time	No	Authors	Affiliation	Title
1.00 - 1.30 pm	D1.1 (Invited)	Prof. dr. Ir. Hero Jan Heeres	Rijksuniversiteit Groningen, Germany	Mobile Technology for Indonesian Biofuel
1.30 - 2.00 pm	D1.2 (Invited)	Prof. dr. K.U. (Katja) Loos	University of Groningen, The Netherlands	Macromolecular Chemistry and New Polymeric Materials
2.00 - 2.15 pm	D1.3	Fitri Yuli Zulkifli, Nugroho Adi Saputro, Basari	Universitas Indonesia	Left Handed Metamaterial Structure Stacked on Two Element Arra Microstrip Antenna
2.15 - 2.30 pm	D1.4	Miftahul Anwar	Department of Mechanical Engineering, Faculty of Engineering, Sebelas Maret University	Electrical Current Dependence on Carbon Nanomaterial Structure Produced by Arc Discharge in Liquid Medium
2.30 - 2.45 pm	D1.5	Novizal	Institut Sains dan Teknologi Nasional Jakarta	Effect of Induced Magnetic Anisotropy on the Hysteresis Paramete of Nano $Ba(0.7)Sr(0.30)Fe_{12}O_{19}$ Prepared by Mechanical Alloying and Sonication
2.45 - 3.00 pm	B.1.005	< X P D 6 X] X N L (Z H O - W Q D Z o , 3 D Tetsuhide Shimizu,Ming Yang	Graduate School of System Design, Toky Metropolitan University	Fabrication and evaluation of micro-structured reaction field with vertically aligned carbon nanotubes for micro-bio analysis device

SESSION D2. Polymer and Ceramic Materials
Chair : Dr.M. Chalid M.Sc
Tuesday, 11 August 2015, 3.30 - 5.00 pm
Venue : Flamboyan (Lombok Garden Hotel)

Time	No	Authors	Affiliation	Title
3.30 - 3.45 pm	D2.1	Adi Surya Pradipta, Wiwiek Eka Mulyani, Bambang Sunendar Purwasasmita	Institute of Technology Bandung, Indonesia	Synthesis of Hydrophobic Viscose Rayon Fiber by Application of Nanorod Silica and Chitosan
3.45-4.00 pm	D2.2	Riesca Ayu Kusuma Wardhani, Lia Asri, Muhammad Nasir	Engineering Physics Department, Institut Teknologi Bandung, Indonesia	Electrospun Chitosan-Polyethylene Oxide Nanofiber Containing Botanical Collagen for Wound Dressing Application
4.00 - 4.15 pm	D2.3	Hendry Izaac Elim	Nanomaterials for Photonics Nanotech. Lab. (Lab. N4PN), Phys. Dept., FMIPA, Pattimura Univ., Ambon, Indonesia	A novel simple technique to study Mie scattering imaging with phot counts of nanohybrid polymer materials
4.15 - 4.30 pm	D2.4	Ghiska Ramahdita	Metallurgy and Materials Engineering, Universitas Indonesia	Study of Chemical Pre-Treatments of Sorghum Fiber
4.30 - 4.45 pm	D2.5	Aris Doyan, Susilawati	fellowship	Synthesis and Characterisation of Poly(Acrylamide-Co-Methacrylamide) Gels Material Using Raman Spectroscopy)
4.45 - 5.00 pm	B.2.033	Tae Sung Kim, Kaoru Sugano, Atsushi Hosoi Hiroyuki Kawada	Department of applied Mechanics and AerospaceEngineering, Waseda Universi	Improvement of mechanical properties in untwisted CNT yarn by PAA/DMSO densification treatment

SESSION D3. Polymer and Ceramics Materials
Chair : Dr.M. Chalid M.Sc
Wednesday, 12 August 2015, 08.00 ±10.00 am
Venue : Flamboyan (Lombok Garden Hotel)

Time	No	Authors	Affiliation	Title
08.00-08.15 am	D3.1	Made Ganesh Darmaya	Dept. of Chemistry, Faculty of Mathematics and Natural Sciences, University of Mataram	Kappa-Carrageenan as an Attractive Green Substitute for Polyacrylamide in Enhanced Oil Recovery Application
08.15-08.30 am	D3.2	Sugiman	Department of Mechanical Engineering, Faculty of Engineering, University of Mataram	Water Absorption and Desorption Behaviour and their effect on the tensile properties of FM 73M Film Adhesive
08.30-08.45 am	D3.3	Susilawati Hambali, Aris Doyan	Fellowship	The Effect of Temperature on The Conductivity of Polymer Films
08.45-09.00 am	D3.4	H. Aripin	Faculty of Learning Teacher and Education Science, Siliwangi University	Densification behavior of a new glass ceramic developed from the incorporation of silica xerogel and Sn_2O
09.00-09.15 am	D3.5	Donanta Dhaneswara, Nofrijon Sofyan	Departement of Materials & Metallurgy Engineering	Effect of Different Pluronik P123 Triblock Copolymer Surfactant Concentration on SBA-15 Pores Formation
09.15- 09.30 am	B.2.034	Daiki Tanabe, Kazuaki Nishiyabu, Tetsusei Kurashiki	Dept. of Management of Industry and technology	Effects of Processing Conditions in Unidirectional Carbon Fiber Thermoplastic Prepreg Tape Laying Using Near Infrared heater
09.30-10.00 am	D3.6 (Invited)	Prof. dr. Francesco Picchioni	Rijksuniversiteit Groningen, Germany	Biomass based Polymers

SESSION D4. Advanced and Energy Materials
Chair : Prof. Dr. Ir.Akhmad Herman Yuwono
Wednesday, 12 August 2015, 10.30-12.15 am
Venue : Flamboyan (Lombok Garden Hotel)

Time	No	Authors	Affiliation	Title
10.30-10.45 am	D4.1	Kristofer Haliansyah, Nandy Putra, Wawan Prawiro, Andrew Yohanes	Universitas Indonesia	Heat Loss Reduction of Tube Solar Collector Based on Dual Heat Pipes
10.45-11.00 am	D4.2	Nji Raden Poespawati	Department of Electrical Engineering Faculty of Engineering Universitas Indonesia	Design And Fabrication Of The Solar Power System For The Active RFID Tag
11.00-11.15 am	D4.3	Sri Bimo Pratomo	Metal Industries Development Center, Ministry of Industry of Republic of Indonesia	Effects of water quenching before hydrogenation, disproportionation desorption and recombination process on magnetic properties of Nd-Fe-B powder
11.15-11.30 am	D4.4	Daniel Kurniawan	Departement of Materials & Metallurgy Engineering	Effect of Pressure in Post-Hydrothermal Treatment on the Nanostructural Characteristics of ZnO Nanoparticles
11.30-11.45 am	D4.5	Bambang Priyono	Material for Energy Nano Technology	Effect of Lithium Carbonate (Li_2CO_3) Addition in Titanium Dioxide (TiO_2) Xerogel for Manufacturing Lithium Titanate ($Li_4Ti_5O_{12}$)
11.45-12.00 am	B.2.009	Kenjiro Sugio, Naoaki Kawano, Takaaki Hirose, Yong-Bum Choi and Gen Sasaki	Hiroshima University	Estimation of electrical conductivity of TiB2/Al composites with image analysis
12.00-12.15 am	D4.6	Dwi Nanto, Seong-Cho Yu	Refrigerant capacity of $La_{0.7}Ca_{0.3}Mn_{1\pm x}Cu_xO_3 (0.0 \leq x \leq 0.03)$	Syarif Hidayatullah State Islamic University

SESSION D5. Metals and Manufacture Process
Chair : Dr. Ir. Myrna Ariati
Wednesday, 12 August 2015, 1.00 - 3.15 pm
Venue : Flamboyan (Lombok Garden Hotel)

Time	No	Authors	Affiliation	Title
1.00 - 1.15 pm	D5.1	Yudha Pratesa	Universitas Indonesia - Department of Metallurgy and Material Engineering	Copper Foam with Interconnected Open Cell Structure Fabrication
1.15 - 1.30 pm	D5.2	Soesaptri Oediyani, Kustiarna Wilyandhika, Suharto	Fakultas Teknik Universitas Sultan Ageng Tirtayasa	The Effect Of Reduction Time And Size Distribution Of Mixed Iron Ore Lampung With Coconut Shell Charcoal To Metallization Of Sponge Iron By Using Rotary Kiln At UPT BPML LIPI
1.30-1.45 pm	D5.3	Akhmad Ardian Korda, Rizky Hidayat, Setiadi Suriana	Department of Metallurgical Engineering, Bandung Institute of Technology	Kinetics of Strain Aging Behavior of API 5L X65 and API 5L B Stee on Long-term Operation
1.45 - 2.00 pm	D5.4	Triyono	Jurusan Teknik Mesin Fakultas Teknolog Industri Universitas Trisakti	Performance of Jatropha Curcas as Dielectric Fluid for Surface Treatment of SKD 61 By Using EDM/EDC
2.00 - 2.15 pm	D5.5	Ahmad Ali Alhamidi, Kaveh Edalati, Zenji Horita	Sultan Ageng Tirtayasa University	Influence of High-Pressure Torsion on Formation/Destruction of Nano sized Spinodal Structures
2.15 - 2.30 pm	D5.6	Akhmad Ardian Korda, Dini Nurhayani	Department of Metallurgical Engineering, Bandung Institute of Technology	Effect of Ni Content and Heat Treatment on Antimicrobial Activi and Hardness of Cu-Ni Alloys
2.30 - 2.45 pm	D5.7	Oknovia Susanti, Sri Harjanto, Myrna A. Mochtar, R. Diantika	Department of Metallurgical and Materials Engineering, Faculty of Engineering	Microstructure and Mechanical Properties of Hot Rolled 1.6Gd
2.45 - 3.00 pm	D5.8	I Nyoman Budiarsa, I Gede Oka Pujihadi	Mechanical Engineering. University of Udayana. Bali. Indonesia	Determination Of Strain Hardening Exponent Base Of Indentation Effect (ISE) Of Vickers Hardness
3.00 - 3.15 pm	D5.9	Suryadi	PhD student of Metallurgy and Material Engineering Department - University of Indonesia	Effect of Annealing Temperature on Microstructure and Mechanica Properties of Ultrafine Grained Brass Produced by Equal Channel Angular Pressing

SESSION D6. Composite Materials
Chair : Prof. Dr. Ir. Anne Zulfia
Tuesday, 11 August 2015, 1.00 - 3.00 pm
Venue : Alamanda (Lombok Garden Hotel)

Time	No	Authors	Affiliation	Title
1.00 - 1.30 pm	D1.1 (Invited)	Prof. dr. Ir. Hero Jan Heeres	Rijksuniversiteit Groningen, Germany	Mobile Technology for Indonesian Biofuel
1.30 - 2.00 pm	D1.2 (Invited)	Prof. dr. K.U. (Katja) Loos	University of Groningen, The Netherlands	Macromolecular Chemistry and New Polymeric Materials
2.00 - 2.15 pm	D6.3	Sudarsono Soemarlan	IST AKPRIND Yogyakarta	Development of Natural Composite from Aren (Arenga pinnata) Fib
2.15 - 2.30 pm	D6.4	Ika Maria Ulfah, Nendar Herdianto, Dwi Gustiono	Center for Materials Technology - Agency for the Assessment and Application of Technology	Synthesis and Characterization of Hydroxyapatite-Biopolymer Composites
2.30 - 2.45 pm	D6.5	Sukmaji Indro Cahyono	Sebelas Maret University	The Effect of Alkali Treatment Toward Mechanical Properties of Polypropylene/Kenaf Composite
2.45 - 3.00 pm	B.2.021	Iriani, E.S, Fahma, F, Sunarti, and Subyakto	Faculty of Agricultural Technology, Bogor Agricultural University, Center for Biomaterial Research, Indonesian Institut of Science, Cibinong Science Center	Physical and Mechanical Properties of PVA Nanocomposite Reinforced with Sorgum Bagasse Nanocellulose

SESSION D7. Composite Materials
Chair : Prof. Dr. Ir. Anne Zulfia
Tuesday, 11 August 2015, 3.30 ±4.45pm
Venue :Alamanda (Lombok Garden Hotel)

Time	No	Authors	Affiliation	Title
3.30- 3.45 pm	D7.1	Kirman Muhammad Talib	Metallurgy and Materials Engineering Department, Faculty of Engineering, Universitas Indonesia	Effects of Magnesium on Properties of AlZn-Mg-Al_2O_3 Nanocomposite
3.45-4.00 pm	D7.2	Hilton Ahmad	Department of Structures and Materials Engineering, Faculty of Civil and Environmental Engineering, Universiti Tun Hussein Onn Malaysia, 86400 Parit Raja, Batu Pahat, Johor, MALAYSIA	XFEM Modelling of Notched Cross-Ply Woven GFRP Composite Plates
4.00- 4.15 pm	D7.3	Paryanto Dwi Setyawan	University of Mataram, Departement of Mechanical Engineering	Mechanical Properties of Cogon Grass (*Imperata Cylindrica*) Fiber-Reinforced Unsaturated Polyester Composites
4.15- 4.30 pm	D7.4	Foliatini	Department of Chemistry, Universitas Indonesia	A simple and effective route for the synthesis of Ag/alginate/thiol based ligands nanocomposites and their potency as stabilizer for Pickering emulsion
4.30- 4.45pm	B.2.001	Yongbum Choi, Zhefeng Xu, Kenjiro Sugio, Kazuhiro Matsugi and Gen Sasaki	Division of Materials and Manufacturing, Graduate School of Engineering,, Hiroshima University	New manufacturing method of particle intermetallic compound reinforced composites

SESSION D8. Advanced and Energy Materials
Chair : Dr. Badrul Munir S.T, M.Eng.Sc
Wednesday, 12 August 2015, 8.00 ±10.00 am
Venue :Alamanda (Lombok Garden Hotel)

Time	No	Authors	Affiliation	Title
08.00-08.15 am	D8.1	Aniek Sri Handayani, Mochamad Chalid, Emil Budianta, Dedi Priadi	Department of Chemical Engineering Institute Technology of Indonesia	Synthesis and Characterization of New Copolymer Hexyl Methacrylate grafted on Amylopectin as a Biodegradable Agent of Polymer Hybr
08.15-08.30 am	D8.2	Eka Cahya Prima, Beni Rama, Romi Nugrah	Advanced Functional Material Laboratory Engineering Physics Department, Faculty of Industrial Technology, Institut Teknologi Bandung, Indonesia	([WHQGLQJ $QWKRF\DQLQ 'HU¶V $EVRUE Dye as Functional Material for TiO_2 Solar Cell
08.30-08.45 am	D8.3	Dwi Nanto, Wen-Zhe Nan, Sukh-Kun Oh, Seong-Cho Yu	Syarif Hidayatullah State Islamic University	Influence of Sn-doping on magnetocaloric properties of $La_{0.7}Ca_{0.3}Mn_{1-x}Sn_xO_3$ (x = 0.02 and x = 0.04) compounds
08.45-09.00 am	D8.4	Khotimatul Fauziah, Arief Udhiarto, Daniel Moraru, Takeshi Mizuno, Djoko Harjanto, Michiharu Tabe	Universitas Indonesia	Impact of Co-Doped And Intrinsic Region Length on Subthreshold Swing (SS) in Si Nanoscale Lateral-p and p-i-n Devices
09.00-09.15 am	D8.5	Imam Akbar	Department of Metallurgical and Materials Engineering, Faculty of Engineering, University of Indonesia	The Effect of Citric Acid Addition upon Precipitation Process on the Nanostructural Characteristic ZnO nanoparticles
09.15- 09.30 am	B.1.022	Iriani, E.S.Sjarief, R, Suyatma, N.E.. and Rahmatunisa	Indonesian Center for Agricultural Postharves Research and Development, Faculty of Agricultural Technology, Bogor Agricultural University	Antimicrobial, Physical and Mechanical Properties of Cassava Starch Based Foams Incorporated with Nano ZnO
09.30-10.00 am	D3.6 (Invited)	Prof. dr. Francesco Picchioni	Rijksuniversiteit Groningen, Germany	Biomass based Polymers

SESSION D9. Corrosion and Degradation of Materials
Chair : Dr. Ir. Sri Harjanto
Wednesday, 12 August 2015, 10.30 - 12.00 am
Venue : Alamanda (Lombok Garden Hotel)

Time	No	Authors	Affiliation	Title
10.30-10.45 am	D9.1	Yudha Pratesa	Universitas Indonesia - Department of Metallurgy and Material Engineering	Corrosion Behaviour of Porous Metal-Fe-Mn-C Alloy Fabricated Using Sintering and Dissolution Process (SDP) of Potassium Carbonate
10.45-11.00 am	D9.2	Kemal Gibran, Andi Rustandi, M. Akbar Barrinaya	Departement of Metallurgy and Materials Engineering Universitas Indonesia	Case Study of Upgrading Design For Impressed Current Cathodic Protection For Bottom Tank As External Corrosion Control Method
11.00-11.15 am	D9.3	Andi Rustandi, Yepi Yarmani Yosa	Department of Metallurgical and Materials Engineering, Faculty of Engineering, University of Indonesia	Modified CO_2 Corrosion Rate Calculation Model for Carbon Steel in Aqueous Environment and Its Mitigation Recommendation for Oil a Gas Processing Facilities Application
11.15-11.30 am	D9.4	Alfirano	Sultan Ageng Tirtayasa University Metallurgy Engineering Department	Precipitates in Biomedical Co-Cr-Mo Alloys and Its Corrosion Behavior
11.30-11.45 am	D9.5	Rini Riastuti	University of Indonesia	Studies of Pitting Corrosion Rate of Hyper Duplex Stainless Steel 3207 in 6% FeCl3 using Weight Loss, Potentiodynamic Polarizatio Methods and Electrochemical Impedance Spectroscopy (EIS) Anal
11.45-12.00 am	B.2.004	Kazuma Hashimoto, Kenjiro Sugio, Gen Sasaki, Asep Ridwan, Aditianto Ramela	Hiroshima University, Institute of Technology Bandung	The effect of ZrO_2 addition on the electrochemical behavior of low carbon steels in Cr_3O_4-H_2SO_4 electrolyte

SESSION D10. Korea-Indonesia Symposioum (KIS) of Metals and Manufacture Process
Chair : Prof. Dr. Ir. Bondan Tiara Sofyan, M.Si
Wednesday, 12 August 2015, 1.00 - 3.15 pm
Venue : Alamanda (Lombok Garden Hotel)

Time	No	Authors	Affiliation	Title
1.00 - 1.15 pm	D10.1	Rianti Dewi Sulamet-Ariobimo	Mechanical Engineering Department Faculty of Industrial Technology Universitas Trisakti	Effect of Plate Thickness and Casting Position to Skin Effect Formation in Thin Wall Ductile Iron Plate
1.15 - 1.30 pm	D10.2	Myrna Ariati Mochtar	Universitas Indonesia	Effect of Double Shot Peening And Nitriding To Die Soldering Behaviour of H13 and Cr-Mo-V Tool Steel on Die Casting Process
1.30-1.45 pm	D10.3	Kontan Tarigan, Sebayang D. Yu S.C.	Universitas Mercu Buana	Effect of Annealing Temperature on Magnetic and Structural Properties of the Nanocrystalline-Fe-Mn-Al Alloys
1.45 - 2.00 pm	D10.4	Young Gun Ko	School of Materials Science and Engineering, Yeungnam University, Gyeongsan 712-749, South Korea	A New Pathway to Fabricate Advanced Structure Materials
2.00 - 2.15 pm	D10.5	Joo Hyun Park, Kotiba Hamad, Yong HwanLee, Young Gun Ko	School of Materials Science and Engineering, Yeungnam University, Gyeongsan 712-749, South Korea	Microstructure Evolution and Mechanical Properties of Deep Cryogenically treated High Carbon Steel
2.15 - 2.30 pm	D10.6	Prisla Kamil, Mosab Kaseem, Byung Ho Park Young Gun Ko	School of Materials Science and Engineering, Yeungnam University, Gyeongsan 712-749, South Korea	Surface Treatment of 6061-Al Alloy using Plasma Electrolytic Oxidation
2.30 - 2.45 pm	D10.7	Kotiba Hamad, I Putu Widiantara, JaeWoong Yang, Young Gun Ko	School of Materials Science and Engineering, Yeungnam University, Gyeongsan 712-749, South Korea	Shear and Rolling Textures Stability in Al Alloy during Annealing Treatment
2.45 - 3.00 pm	D10.8	I Putu Widiantara, Kotiba Hamad, JeongHyeonKwon, Young Gun Ko	School of Materials Science and Engineering, Yeungnam University, Gyeongsan 712-749, South Korea	Grain Refinement Mechanism of AZ31 Mg Alloy during Differential Speed Rolling
3.00 - 3.15 pm	B.2.027	Shuichi Mashino , Takuji Oka-be	Department of Mechanical Systems Engineering, Hiroshima Institute of Technology	Production and characteristic improvement of sintered porous titan by capsule-free HIP method

SESSION D11. Composite Materials
Chair : Nofrijon Sofyan Ph.d
Wednesday, 12 August 2015, 3.30 – 5.00 pm
Venue : Alamanda (Lombok Garden Hotel)

Time	No	Authors	Affiliation	Title
3.30 - 3.45 pm	D11.1	Irfan Gustian	Chemistry Dept. Universitas Bengkulu	Physico-chemical characteristics of composites membranes based sulfonated cyclone fibre cellulose and benzotriazole
3.45 - 4.00 pm	D11.2	Desi Heltina	Chemical Engineering (International Symposium on Materials and Metallurgy)	Synthesis and Characterization of Titania nanotube/Carbon nanotube composite for degradation of phenol
4.00 - 4.15 pm	D11.3	Jariyavadee Sirichantra, Tanittha Pullawan, Phornthip Lamo, Narit Kocharit	Department of Science Service, Ministry of Science and Technology, Thailand	Effect of nano rubber particle additions to carbon fibre reinforced epoxy resin on mechanical properties
4.15 - 4.30 pm	D11.4	Winarto Winarto, Dedi Priadi, Nofrijon Sofyan, Aji Wicaksono	Departement of Materials & Metallurgy Engineering	Wear Resistance and Hardness Properties of Aluminum AC4B Cast after Cold Sprayed by Carbon Nanotubes Reinforced Alumina Nanocomposite
4.30 - 4.45 pm	B.2.038	T. Yamashita, Y. Kurabe, Y. Miyashita, Y. Otsuka, H. Hori	Nagaoka University of Technology, Ishikawa National College of Technology	Proposal for New Fabrication Method of Green Composite by using Friction Stir Process

SESSION D12. Poster Session for Metallurgy and Materials
Chair :
Tuesday,11 August 2015 10.00- 10.30 am; 12.00-1.00pm; 3.00- 3.30pm; 5.00-7.00pm
Venue : Pre-Function Hall

Time	No	Authors	Affiliation	Title
10.00- 10.30 am; 12.00-1.00pm; 3.00- 3.30pm; 5.00-7.00pm	D12.1	Vika Rizkia	Department of Mechanical Engineering, Jakarta State Polytechnic, Depok 16424, Indonesia	Corrosion Resistance Enhancement of Anodic Layer on Aluminum Matrix Composite by Cerium Sealing
	D12.2	Rina Dewi Mayasari, Winda Rianti, Retna Deca Pravitasari	Center for Material Technology, Agency for the Assessment and Application of Technology (BPPT)	Grain Size Distribution Analysis of Multi-crystalline Si Ingot Produced by Directional Solidification Technology
	D12.3	Witri Wahyu Lestari	Chemistry Department, Sebelas Maret University, Surakarta, Central Java Indonesia.	Metal-Organic Frameworks: Chemistry, Properties, and Prospective Applications in Sustainable Energy Development
	D12.4	I Nyoman Jujur, Joni Sah, Agustanhakri Bak	Center for Materials Technology BPPT	Effects of the Oxide Inclusions on The Mechanical Strength of Medical Grade of 316L Stainless Steel Using Local Raw Materials
	D12.5	Erni Setyowati	University of Diponegoro	The Acoustical Characteristics Of Polymer Mortar As A Green Concrete Material
	D12.6	Winda Rianti, Nendar Herdianto, Dwi Gustiono, Agus Hadi Santosa Wargadipura, Lukmana	Agency for Assessment and Application of Technology	Synthesis and Characterization of Nanocrystalline Hydroxyapatite Derived From Indonesian Limestone
	D12.7	Dody Andi Winarto, Sri Rahayu, Novita Amie Lestari, Sefnie Septiva, Lukmana	Agency for Assessment and Application of Technology	Mixing time effect on rheological behavior of natural rubber compounds filled with nano carbon black
	D12.8	Agus Edy Pramono	Department Of Mechanical Engineering, Politeknik Negeri Jakarta	Impact Strength Properties of Bamboo Fiber Reinforced Polymer Composite in Uni and 2 Direction
	D12.9	Adel Fisli, Ridwan, Yuni Krisyuningsih Krisnardi, Jarnuzi Gunlazuardi	Advanced Materials Science Division National Nuclear Energy Agency of Indonesia (BATAN)	Preparation And Characterization Of $Fe_3O_4/SiO_2/TiO_2$ Composite For Methylene Blue Removal in Water
	D12.10	Frederik Palallo	Lecturer	Resistance Mechanical Properties Of Material Katinting Boats Effe On Environment
	D12.11	Yunasfi	Center for Science and Technology of Advanced Materials, National Nuclear Energy Agency	Structure and Magnetic Properties of Ni-C Nanocomposite for Sensor Material Application
	D12.12	Didin Sahidin Winatapura	Center for Science and Technology of Advanced Materials, National Nuclear Energy Agency	Synthesize, Characterization and Photocatalytic Activity of Fe_3O_4@ZnO Nanocomposite

SESSION D13. Poster Session for Metallurgy and Materials
Chair :
Wednesday, 12 August 2015, 10.00- 10.30 am; 12.00-1.00pm; 3.00- 3.30pm; 5.00-7.00pm
Venue : Pre-Function Hall

Time	No	Authors	Affiliation	Title
10.00- 10.30 am; 12.00-1.00pm; 3.00 - 3.30pm; 5.00-7.00pm	D13.1	Gunawan Setia Prihandana	Department of Mechanical Engineering, Universitas Muhammadiyah Yogyakarta	Surface modification of nano porous polyethersulfone membrane a filtration membrane in dialysis system: A comparison of inert material
	D13.2	Romario Aldrian Wicaksono	Departement of Mechanical Engineering, Yogyakarta Muhammadiyah University (UMY)	Design and fabrication of microfilter employing nanoporous polyethersulfone membrane for dialysis applications
	D13.3	Satriawan Dini Hariyanto	Department of Mechanical Engineering, Muhammadiyah University of Yogyakarta	High water permeability of nanoporous polyethersulfone (PES) membrane for ultrafiltration purposes
	D13.4	Tuti Indah Sari, Asep Handaya Saputra, Set Bismo, Dadi R. Maspanger	Universitas Indonesia	The Effect of Styrene Monomer in The Graft Copolymerization of Acrylonitrile onto Deproteinized Natural Rubber
	D13.5	Sukmaji Indro Cahyono	Sebelas Maret University	The cost-effective of light-weight sandwich panel honeycomb core with hybrid carbon-glass fiber composite skin for electric vehicle application
	D13.6	Edy Sarwani, Riria Zendy Mirahati, Siti Khodijah Chaerun	Institut Teknologi Bandung	Use of biosurfactant-producing bacteria as biofrother and depressan for sulfide copper minerals
	D13.7	Masaru Shimomura	Shizuoka University	Surface Treatment by Sulfur Containing Molecules for Dye-Sensitized Solar Cells
	D13.8	Heru Sukanto, Eko Prasetya Budiana	Mechanical Engineering of Sebelas Mare University Surakarta	Investigation Of Coating Materials On Recycled Polypropilene and Rubber Composite Under Weather Exposure
	D13.9	Husaini	Department of Mechanical Engineering, Syiah Kuala University, Darussalam, Banda Aceh 23111, INDONESIA	Fracture Behavior of Aluminum Alloy 6061-T6 Investigated By Using CTS Specimens
	D13.10	Retno Rahmawati, Brian Yulianto, Suyatman Deddy Kurniadi	Engineering Physics study program,Facu of Industrial Technology, ITB Bandung	Synthesis Of Magnetite (Fe_3O_4) Nanoparticles From Iron Sand Wit Sonochemical Methods And Their Magnetics Characterization
	D13.11	Samsudi Raharjo	FT Universitas Muhammadiyah Semaran	CaCo3 Scale Formation in Copper Pipes:Effect of flow rates on Induction Time and Mineral Phases
	D13.12	Nofrijon Sofyan	Departement of Materials & Metallurgy Engineering	Optimization Of Silicon Isolation From Tanjung Tiram Asahan Natu Sand Through Magnesiothermic Reduction

SYMPOSIUM E: INTERNATIONAL SYMPOSIUM OF I -DWELL 2015 (ARCHITECTURE)
SESSION E1. Reconstruction Dwelling and Multiple Dwelling Scopes
Chair : Kristanti Dewi Paramita
Tuesday, 11 August 2015, 1.00 - 3.00 pm
Venue : Parigata

Time	No	Authors	Affiliation	Title
1.00 - 1.30 pm	E1.1	Paramita Atmodiwirjo, M. Mirza Y. Harahap, Yandi Andri Yatmo	Department of Architecture, Faculty of Engineering, Universitas Indonesia	Dwelling Spatial Arrangement, Active Body Movement, And Health
1.30 - 1.45 pm	E1.2	Dyah Kusuma Wardhani	Interior Architecture Lecturer, Department of Interior Architecture, Universitas Ciputra	Site PO D Q Q L Q J 2 I 3 R W W H U \ & U D I W P H Q ¶ V Based Development Approach
1.45 - 2.00 pm	E1.3	Feni Kurniati, Bunga Sakina Adrian Immanu	Graduate Student, School of Architecture Planning and Policy Development, ITB	Adaptation Pattern Of Social Interaction From Horizontal To Vertical Housing Study Case In Industri Dalam And Cigugur Tengah Flat
2.00 - 2.15 pm	E1.4	Boedi Darma Sidi	Institut Teknologi Bandung	Integrated Subsidized Infrastructure In Informal Housing Developm For Sustainable City In Bandung
2.15 - 2.30 pm	E1.5	Nurul Nadjmi, Wiendu Nuryanti, Budi Prayitno	Department of Architecture, Faculty of Engineering, Gadjah Mada University	Concept Of Tourism Destination Network Metropolitan Islands In Batam, Bintan, And Karimun
2.30 - 2.45pm	E1.6	Kennedy Rosemary	Centre for Subtropical Design, School of Design, Creative Industries Faculty, QUT GPO Box 2434 Brisbane, 4001, Australia	The Path Less Travelled: Vertical Circulation Spaces In Apartment Buildings In The Subtropics
2.45 - 3.00 pm	E1.7	Evawani Ellisa, Gita Andriani	Lecturer, Department of Architecture, Universitas Indonesia	The Route And Journey Of Tree Houses

SESSION E2. Situat(ing) Dwelling
Chair : Yandi Andriyatmo
Wednesday, 12 August 2015, 8.00 - 10.15 am
Venue : Parigata

Time	No	Authors	Affiliation	Title
08.00 - 08.15 am	E2.1	Bintang Noor Prabowo, Arnis Rochma Harani, Resza Riskiyanto	Architecture Department of Diponegoro University	Revitalizing Old City Heritage Area: Mental Mapping Urban Image Of Semarang Old City
08.15 - 08.30 am	E2.2	Elita Nuraeny	Universitas Indonesia	5 H G X F L Q J & D X V H V 2 I : R P H Q ¶ V) H D U 2 I The Importance Of Good Surveillance And Wayfinding
08.30 - 08.45 am	E2.3	Vania Dwi Amanda Surya, Rossa Turpuk Gabe	Universitas Indonesia	In Dwelling: The Tradition Of Eating Activities On Urban Minangnes
08.45 - 09.00 am	E2.4	Ade Amalia, Albertus Bobby Widagdo	Department of Architecture, Faculty of Engineering, Universitas Indonesia	Development Of Sea Dwelling : Bajau Tribe
09.00 - 09.15am	E2.5	Ima Rachima, Maulina Dian	Institut Sains dan Teknologi Nasional	Traditional Architecture Local Wisdom Case Study : Penglipuran Village , Bali
09.15 - 09.30 am	E2.6	I Nyoman Gede Maha Putra	Joint Centre for Urban Design, Departme of Planning, Oxford Brookes University	Place Identity Of Denpasar In A Rapidly Developing Urban Environment
09.30 - 09.45 am	E2.7	Sri Wulandari, Annisa Dienfitriah	Architecture Student, Department of Architeture, Universitas Indonesia	Where Is House? Urban Dwelling, Dwelling In Urban?
09.45 - 10.00 am	E2.8	Ivan Nasution	Centre for Sustainable Asian Cities, Department of Architeture, National University of Singapore	Dwelling A Public Space
10.00 - 10.15 am	E2.9	Enira Arvanda, Nevine Rafa Kusuma, Rini Suryantini	Lecturer, Department of Architeture, Universitas Indonesia	Temporary Inhabitation As A Strategy To Alleviate Negative Perception Of Underground Transit Spaces

SESSION E3. Dwelling (Im)materiality
Chair : Evawani Ellisa
Wednesday, 12 August 2015, 10.30-11.45 am
Venue : Parigata

Time	No	Authors	Affiliation	Title
10.30-10.45 am	E3.1	Bambang Soemardiono, Achmad Maksum, Defry Agatha Ardianta	Department Of Architecture, Institut Teknologi Sepuluh Nopember (ITS)	City Park As Sustainable Urban Open Space By Considering Community Based Analysis
10.45-11.00 am	E3.2	Rossa Turpuk Gabe, Gregorius Gegana	Department Of Architecture, Faculty Of Engineering, Universitas Indonesia	The Potential Of Traditional Modular Prefabricated Housing For Indonesian Dwelling Culture
11.00-11.15 am	E3.3	Yuni Sri Wahyuni, Dewi Larasati Zr, Siswant Zuraida	Graduate School Of Architecture, Institut Teknologi Bandung	Model Of Embodied Energy Calculation For Low Cost Housing In Indonesia
11.15-11.30 am	E3.4	Azizi Bahauddin, Aldrin Abdullah	School Of Housing, Building & Planning, Universiti Sains Malaysia, Malaysia	The Materiality Of The Rungus Longhouse In Harmony With Nature
11.30-11.45 am	E3.5	KristantiDewiParamita	Department Of Architeture, Faculty Of Engineering, Universitas Indonesia	Indeterminate Boundaries: Dwelling In Neighbourhood Facing Recurring Flooding

SESSION E4. Dwelling (Im)materiality
Chair : Paramita Atmodiwirjo
Wednesday, 12 August 2015, 1.00-3.00 pm
Venue : Parigata

Time	No	Authors	Affiliation	Title
1.00- 1.30 pm	E.4.1 (Invited)	Professor Veronica Soebarto, Ph.D.	Architecture & Sustainability	**Seventy one shades of green: Which green is a 'green architecture'?**
1.30-1.45 pm	E4.2	Bambang Soemardiono, Eko Budi Santoso, Defry Agatha Ardianta	Jurusan Arsitektur FTSP ITS	Model Of Sustainable City Based On Interrelatonship Of Modality Aspects In Surabaya
1.45- 2.00 pm	E4.3	Diane Valerie Wildsmith	University Of Indonesia Department Of Architecture	I-Dwell: Transforming Heritage To Eco-Sustainability
2.00- 2.15 pm	E4.4	Yasmin Suriansyah	Architecture Department Faculty Of Engineering Universitas Katolik Parahyangan Bandung Indonesia	Correlation Between Architectural Designs With Thermal Ambient C Residential Units In Mass Public Housing (MPH) Sarijadi In Bandu Indonesia
2.15- 2.30 pm	E4.5	Irma Novrianty Nasution, Syahreza Alvan	Universitas Negeri Medan	A Sustainable Construction Planning Model For Housing In The Ci Of Medan
2.30- 2.45 pm	E4.6	Verry Lahamendu	University Of Sam Ratulangi Manado	Suitability Analysis Of Sustainable Land Use On The Island Of Bunaken Manado
2.45- 3.00 pm	E4.7	Sahid, DewiLarasatiZr, Prinka Victoria	Graduate School Of Architecture, Institutteknologi Bandung (ITB)	Towards Implementation Of Green Criteria In Indonesia; Needs An Reality

SYMPOSIUM F : CHEMIC AL AND BIOPROCESS ENGINEERING

SESSION F1.Bio
Chair : Mahidin A. Taleb
Tuesday, 11 August 2015, 1.00-3.00 pm
Venue : Rinjani I

Time	No.	Authors	Affiliation	Title
1.00- 1.30 pm	F1.1	Shen Long Tsai, Yuana Elly Agustin	University of Surabaya	The Effect of Storage Temperature for the Detection of Silver Nanoparticles via Engineered Biomolecules
1.30- 2.00 pm	F1.2	Mulawarman	University of Sriwijaya	Heterorhabiditis Bacteriophora as Promised Biopesticide to Contro Insect Pest Oryctes Rhinoceros in Indonesia
2.00- 2.15 pm	F1.3	Sri Bandiati Komar	Padjajaran University	Increased of Lamb Production on Padjadjaran Sheep Through the Application of Syncronization Estrus and Artificial Insemination Innovation
2.15- 2.30 pm	F1.4	Lie Hwa	University of Surabaya	Zero Order Degradation Rate of Vitamin C in Fresh Orange and Strawberry Juices without Any Preservatives During Storage
2.30- 2.45 pm	F1.5	Ahmad Saufi	Ministry of Research Technology and Higher Education, Indonesia	Research Consortium to Improve the Productivity and the Relevance Science and Technology

SESSION F2.
Energy
Chair : Mulawarman
Tuesday, 11 August 2015, 3.30-5.00 pm
Venue : Rinjani I

Time		Authors	Affiliation	Title
3.30- 3.45 pm	F2.1	Anies Mutiari, Supomo	Center for Material and Technical Produc	Mathematical Modelling in CO2 Adsorption Using Strong Base Ani Exchange Resin as Adsorbent for Biogas Purification
3.45- 4.00 pm	F2.2	Mahidin A. Taleb	Syiah Kuala University	Reduce the Energy Consumption and Greenhouse Gas Emission by Flare and Vented Gas Recovery: an Experience in Arun LNG Plant
4.00- 4.15 m	F2.3	Mahidin A. Taleb	Syiah Kuala University	Possibility Use of Green Mussels Shell as a Desulfurizer in Combustion of Low Rank Coal-Biomass Briquette

SESSION F3.Material, Material/Simulation

Chair : Misri Gozan, Riezqa Andika
Tuesday, 11 August 2015, 1.00-3.00 pm
Venue : Rinjani 2

Time	No.	Authors	Affiliation	Title
1.00- 1.30 pm	F3.1 (Invited)	Prof. Masafumi Yohda	Tokyo University	Advancement of Next generation DNA Sequencers and Its Application
1.30- 2.00 pm	F3.2 (Invited)	Dr. Anwar Usman	University of Minnesota	Ultra Fast Fluoresecence Femto Second
2.00- 2.15 pm	F3.3	Natalia Suseno	University of Surabaya	Study of Different Operating Conditions During Carboxymethyl Chitosan Synthesis
2.15- 2.30 pm	F3.4	Galuh Yuliani, Kartiko Laksono	University of Education	Adsorption of Cr, Fe, Cd, Co Ions onto Raw and Treated Indone Sub-bituminous Coal
2.30- 2.45 pm	F3.5	Erry Purnomo	University of Borneo	Application of Low Input Technology for Sustainable Rice Industry Tropical Tidal Swampland in Kalimantan Indonesia

SESSION F4Energy, Extraction, Waste

Chair : Mahmud Sudibandriyo

Tuesday, 11 August 2015, 3.30-5.00 pm

Venue : Rinjani 2

Time	No.	Authors	Affiliation	Title
3.30- 3.45 pm	F4.1	Riezqa Andika	Yeungnam University	Simulation of Syngas Treatment Process in an IGCC Power Plant
3.45- 4.00 pm	F4.2	Herawati Budiastuti, P.Pullamman Pappallil, R. Cord-Ruwisch	State Polytechnic of Bandung, University of Florida, Murdoch University	Sea Water Desalination Using Debaryomyces hansenii with Microb Desalination Cell Technology
4.00- 4.15 m	F4.3	Ahmad Tawfiequrrahman Yuliansyah	UGM	Pyrolysis of Plastic Waste to Produce Pyrolytic Oil as an Alternativ Fuel
4.15- 4.30 pm	F4.4	Sarwono Mulyono Mulyoprayitno	King Saud University	Desulfurization Using Lactic Acid Based Deep Eutectic Solvents
4.30- 4.45 pm	F4.5	Wiratni Budhijanto, Deen Darlianto, Heppy Kristiyani, Dodi Satriawan	UGM	Enhancement of Aerobic Waste Water Treatment by the Applicatio Attached Growth Microorganisms and Micro Bubble Generator
4.45- 5.00 pm	F4.6	Galuh Yuliani, Ratna Agustinisih	University of Education	Application of a Simple Electrocoagulation (EC) Apparatus using Aluminum (Al) Electrodes for Colour Removal from Aqueous Solution

SESSION F5. Adsorption, Bio, Material/Simulation

Chair : Heri Hermansyah
Wednesday, 12 August 2015, 8.00 - 10.00 am
Venue : Rinjani 1

Time	No.	Authors	Affiliation	Title
08.00 - 08.15 am	F5.1	Mahmud Sudibandriyo	University of Indonesia	Adsorption Capacity and Its Dynamic Behavior of the Hydrogen Storage on Nanotube Carbon
08.15 - 08.30 am	F5.2	Misri Gozan	University of Indonesia	Simulation of Vapor Permeation and Distillation-Adsorption for Ethanol Purification
08.30 - 08.45 am	F5.3	Nelson Saksono, Marcella Septya Meidiana, Dimas Riskalrawan, Setijo Bismo	University of Indonesia	Effect of Selective Membrane Utilization to Produce Chlorine by Plasma Electrolysis Method
08.45 - 09.00 am	F5.4	Heri Hermansyah	University of Indonesia	Cultivation of Saccharomyces cerevisiae using Lignocellulosic Hydrolysate from Empty Fruit Bunch
09.00 - 09.15 am	F5.5	Muhamad Sahlan	University of Indonesia	Encapsulation of Indonesian Herbs by Casein Micelle
09.15 - 09.30 am	F5.6	Misri Gozan	University of Indonesia	Simulation of Levulinic Acid Production Plant from Sorghum bicolo
09.30 - 09.45 am	F5.7	Yuswan Muharam	University of Indonesia	Mathematical Model of Controlled Potassium Chlloride Release Systems from Chitosan Microspheres

SESSION F6. Energy

Chair : Yuswan Muharam
Wednesday, 12 August 2015, 10.30 - 12.00 am
Venue : Rinjani 1

Time	No.	Authors	Affiliation	Title
10.30 - 10.45 am	F6.1	Bambang Heru Susanto	University of Indonesia	Analytical Representations of Experimental Palm Oil Hydrodeoxygenation for Renewable Diesel Production
10.45 - 11.00 am	F6.2	Abdul Wahid	University of Indonesia	Compressor and Steam Reformer Control in Biohydrogen from Biomass Plant Using Model Predictive Control Based on System Identification
11.00 - 11.15 am	F6.3	Widodo Wahyu Purwanto, Dijan Supramono, Rahma Muthia, Muhamad Fakri Firdaus	University of Indonesia	Effect of Biomass Types on Bio-oil Characteristics in Fast Pyrolysis Process with Ni/ZSM-5 Catalyst
11.15 - 11.30 am	F6.4	Tania Surya Utami, Rita Arbianti	University of Indonesia	Sea Water Desalination Using Debaryomyces hansenii with Microbial Desalination Cell Technology
11.30 - 11.45 am	F6.5	Eny Kusrini, Dijan Supramono, Yoki Yulizar, Saeful Pranata	University of Indonesia	Effect of Mass Ratio of Biomassand PlasticWaste on the Yield and Composition of Biooil Production

SESSION F7.Bio, Energy
Chair : Abdul Wahid
Wednesday, 12 August 2015, 3.00 - 3.30 pm
Venue : Rinjani 3

Time	No.	Authors	Affiliation	Title
3.00 - 3.15 pm	F7.1	Dewi Tristantini, Gracia Caroline Franswijaya	University of Indonesia	An Activity Test of Butterfly Pea (Clitoria ternatea L.) Aqueous Extract to Decay Sodium and Calcium Ions in Cortical Cataract Mo
3.15 - 3.30 pm	F7.2	Dijan Supramono	University of Indonesia	The Effect of Heating Rate of Torrefaction of Sugarcane Bagasse (Physical Characteristics

SESSION F8.Material
Chair : Sutrasno Kartohardjono, Asep Handaya Saputra
Wednesday, 12 August 2015, 8.00 - 10.00 am
Venue : Rinjani 2

Time	No.	Authors	Affiliation	Title
08.00 - 08.15 am	F8.1	Tuti Indah Sari, Asep Handaya Saputra, Setijo Bismo, Dadi R. Maspanger, Adi Cifriadi	University of Indonesia	The Effect of Styrene Monomer in The Graft Copolymerization of Acrylonitrile onto Deproteinized Natural Rubber
08.15 - 08.30 am	F8.2	Asep Handaya Saputra, Muhammad Shohib	University of Indonesia	Effect of Fly Ash Fortification in the Manufacture Process of Making Concrete Towards Characteristics of Concrete in Sulfuric Acid Solution
08.30 - 08.45 am	F8.3	Asep Handaya Saputra, Gabriella Andini, Hana Nabila Anindita	University of Indonesia	Synthesis of Nata de Coco Fiber Composite With Conductive Filler An Eco-Friendly Semiconductor Material
08.45 - 09.00 am	F8.4	Praswasti PDK Wulan, Widodo Wahyu Purwanto, Mahmud Sudibandriyo	University of Indonesia	Synthesis of Aligned Carbon Nanotube (ACNT) through Catalytic Decomposition of Methane by Water-Assisted Chemical Vapor Deposition (WACVD)
09.00 - 09.15 am	F8.5	Nelson Saksono, Ratih Tien Seratri, Setijo Bismo, Rahma Muthia	University of Indonesia	Phenol Degradation in Waste Water by Contact Glow Discharge Electrolysis (Cgde) Method Using Na2so4 Solution
09.15 - 09.30 am	F8.6	Sutrasno Kartohardjono	University of Indonesia	Ammonia Removal form Wastewater through Polypropylene Hollow Fiber Membrane Contactor
09.30 - 09.45 am	F8.7	Desi Heltina, Praswasti PDK Wulan, Prof. Slamet	University of Indonesia	Synthesis and Characterization of Titania Nanotube-Carbon Nanotube Composite for Degradation of Phenol
09.45 - 10.00 am	F8.8	Eva Fathul Karamah, Shinta Leonita, Setijo Bismo	University of Indonesia	Phenols Removal Using Ozonation-Adsorption with Granular Activated Carbon (Gac) in Rotating Packed Bed Reactor

SESSION F9 Poster Session for Chemical Engineering

Chair
Wednesday, 12 August 2015 10.00 - 10.30 am; 12.00 - 1.00pm; 3.00 - 3.30pm; 5.00 - 7.00pm

Venue : Pre-Function Hall

Time	No.	Authors	Affiliation	Title
10.00 - 10.30 am; 12.00-1.00pm; 3.00 - 3.30pm; 5.00 - 7.00pm	F9.1	Jenny N.M. Tan - Soetedjo, Carolus B. Rasrendra, Hero J. Heeres	Parahyangan University ; University of Groningen ; ITB	The Effect of Inorganic Salts in the Hydrolysis of Xylose to Furfural
	F9.2	Yuliusman	University of Indonesia	Preparation of Activated Carbon from Oil Palm Shell by Activating KOH as CO Gas Adsorbent and Purification of Fire Smoke
	F9.3	Didin Mujahidin	ITB	Chemical Synthesis as a Crucial Tool in a Sustainable High Value Added Economy: ETBE Synthesis
	F9.4	Mohammad Nasikin	University of Indonesia	Extraction CaCO3 on Asbuton with Acidic Brine Water Solution Using CO2 Gas Cycle Method
	F9.5	Edy Sanwani, Tri Wahyuningsih, Siti Khodijah Chaerun	ITB	Role of Biosurfactant-Producing Bacteria in Biomodification of Sulfide Copper Minerals: Implications for Sulfide Bioflotation Processes
	F9.6	Kamarza Mulia	University of Indonesia	Selective Polarity-Guided Extraction and Purification of Acetogenins in Soursop Leaves (Annona Muricata L.)
	F9.7	Elsa Krisanti	University of Indonesia	Natural Deep Eutectic Solvent (NADES) as Green Solvent for Extraction of Î±-Mangostin from Garcinia mangostana L. Pericarp

SYMPOSIUM G: INDUSTRIAL ENGINEERING

SESSIONG1. Optimization and Distribution
Chair : Armand Omar Moeis,ST.MSc
Tuesday, 11 August 2015, 1.00 ± 3.00 pm
Venue :Gili Trawangan

Time	No. ID	Authors	Affiliation	Title
1.00- 1.30 pm	G1.1 (invited)	Prof. Hirano	Shibaura Institute of Technology	**Innovation for Sustainable Developmentbased on ICT Platform**
1.30- 1.45 pm	G1.2	Agustina Christiani	Universitas Pelita Harapan	A Framework for Sustainable Manufacturing in Indonesia
1.45- 2.00 pm	G1.3	Irvanu Rahman	Universitas Indonesia	System Dynamics Modeling for Sustainability Assessment of Green + R X V H * D V H V , P S D F W V R Q - D N D U W D ¶ V Policy Makers
2.00- 2.15 pm	G1.4	Aziiz Sutrisno	Universitas Indonesia	Risk Model on Business Model of Mobile Refuelling Unit (MRU) for Natural Gas Vehicle
2.15- 2.30 pm	G1.5	Armand Omar Moeis	Universitas Indonesia	Risk Impact Analysis on Investment of Drinking Water Supply Syste Development Towards Financial Value Using Project Risk Management
2.30- 2.45 pm	G1.6	KomarudinSayuti	Universitas Indonesia	Simulating Implementation Result of Port Expansion Plan Using Ag Based Modelling
2.45- 3.00pm	G4.4	Dian Retno Sari Dewi	Unika Widya Mandala Surabaya	Production Assembly Line Balancing by considering The Performa Rating of the Operator

SESSIONG2. Design and Ergonomics
Chair : Dr. Ing.Amalia Suzaianti,St.MSc
Tuesday,11 August 2015,3.00 ± 5.00pm
Venue :Gili Trawangan

Time	No. ID	Authors	Affiliation	Title
3.30- 3.45 pm	G2.1 (invited)	Prof. Umemuro	Tokyo Institute of Technology	Affective quality: Products, services, and management that provide with affective experiences
3.45- 4.00 pm				
4.00- 4.15 pm	G2.2	Linda Studiyanti	Institut Teknologi Bandung, Indonesia	Usability Issues in Designing A4 X U k ¼ Œ E D Q ion S fS TouchF D W Screen Device for Low Vision People
4.15- 4.30 pm	G2.3	Desinta Rahayu Ningtyas	Institut Teknologi Bandung	Design of Fatigue Monitoring Apparatus Based On Critical Flicker Fusion Frequency
4.30- 4.45 pm	G2.4	Shabila Anjani	National Taiwan University of Science and Technology	Evaluation of Car Icons Using a Decision Tree
4.45- 5.00 pm	G2.5	Amalia Suzianti	Universitas Indonesia	Consumer Preference Analysis on Fashion Online Shop Using Kan Model and Conjoint Analysis

SESSIONG3. Production and Quality Engineering
Chair : Arry Rahmawan , ST.MT
Wednesday, 12August 2015, 8.00 ±10.00 am
Venue :Edelweiss

Time	No. ID	Authors	Affiliation	Title
8.00- 8.15 am	G3.1	Irvanu Rahman	Universitas Indonesia	Risk Impact Analysis on Investment for Drinking Water Supply System Development Project in Bekasi Using Project Risk Management
8.15- 8.30 am	G3.2	Hendry sakke tira	University of Mataram	Reducing CO2 and H2S Content in Biogas through Improved Circulated Water Scrubbing Method
8.30- 8.45 am	G3.3	Arry Rahmawan	Universitas Indonesia	The Design of MRT Jakarta Smart Card Ticketing System using System Engineering Methods ISO 15288
8.45- 9.00 am	G3.4	Hennie Husniah, Bermawi. P. Iskandar	Langlangbuana University	Performance Based Maintenance Contract With Dynamic Environment For Two Dimensional Warranty Product
9.15- 9.30 am	G3.5	Hennie Husniah, Bermawi. P. Iskandar	Langlangbuana University	Maintenance Contract With Dynamic Environment For Two Dimensional Service Contract
9.30- 9.45 am	G3.6	Erna Styani, Noviar Dja'var, Nur Hasanah, Arie Pratama Putra	Academy of Cheical Analysis Bogor	Prototype Waste Water Processing Equipment Based on Ozone and UV-C for Home and Small Industries
9.45-10.00 am	G3.7	Yadrifil	Departemen Teknik Industri UI, Kampus Baru UI Depok	The Design of Performance Measurement System in Supply Chain Aspect of Oil and Gas Company Using Balanced Scorecard and Analytic Network Process Method

SESSIONG4. Production and Quality Engineering
Chair : Prof. T. Yuri M Zagloel
Wednesday, 12August 2015, 10.30 ±12.00 am
Venue :Edelweiss

Time	No. ID	Authors	Affiliation	Title
10.30- 10.45 am	G4.1 (invited)	Prof. Leisten	University of Duisburg-Essen	Production Systems and Sustainability
10.45- 11.00 am				
11.00- 11.15 am	G4.2	NunungNurhasanah, Faikar Ridwan Harimansyah	Universitas Al Azhar Indonesia	Designing Production Scheduling with Fuzzy PERT to Solve Resou & R Q V W U D L Q W V W K U R X J K / D Q J k ¼ Œ V $ O J
11.15- 11.30 am	G4.3	Teuku Yuri M. Zagloel, AndinaRahmasari ,Amalia Suzianti	Universitas Indonesia	Design of Inspection Plan and Work Measurement of Packaging Material Inspection Activity in a Baby Milk Industry
11.30- 11.45 am	G4.4	Dian Retno Sari Dewi	Unika Widya Mandala Surabaya	Production Assembly Line Balancing by considering The Performance Rating of the Operator
11.45- 12.00 am	G4.5	Difana Meilani Dicky Fatrias, Anggita Prima Alda	Andalas University	Improv L Q J 6 H U Y L F H 4 X D O L W \ W R Z D U G V 3 D Hospitals in West Sumatera

SESSIONG5. Production and Quality Engineering
Chair : Ir. Djoko Sihono Gabriel, MT
Wednesday, 12 August 2015, 1.00 – 2.45 pm
Venue : Edelweiss

Time	No. ID	Authors	Affiliation	Title
1.00- 1.15 pm	G5.1	Wahyu Supartono	Universitas Gadjah Mada	Optimization Of Skipjack Tuna (Katsuwonus Pelamis) Quality Facto In Chilled Box Storage Using Taguchi Method
1.15- 1.30 pm	G5.2	Djoko Sihono Gabriel	University of Indonesia	Quality Improvement of Thermoplastic Recycling Products Using 3 U R G X F H U k ¼ Œ E V & D S D E L O L W \ , Q G L F D W R
1.30- 1.45 pm	G5.3	Markus Hartono	University of Surabaya INDONESIA	The extended integrated model of Kansei Engineering, Kano and T incorporating cultural differences in services
1.45- 2.00 pm	G5.4	Laurence	University of Pelita Harapan	Optimize Parameters Using Moving Average, Turtle And Awesome Oscilator
2.15- 2.30 pm	G5.5	Ardy Wibowo Haryanto, Yustinus Eko Soelistio, Adhi Kusnadi	Universitas Multimedi Nusantara	Warehouse Layout Method Based on Ant Colony and Backtracking Algorithm
2.30- 2.45 pm	G5.6	Anis Septiani	Istitute Taknologi Bandung	The Prevalence of Musculoskeletal Complaints Among Workers in Palm Plantation

SESSIONG6. Optimization and Distribution
Chair : Dr. Hennie Husniah
Tuesday, 11 August 2015, 1.00 – 2.45 pm
Venue : Narmada

Time	No. ID	Authors	Affiliation	Title
1.00- 1.30 pm	G1.1 (invited)	Prof. Hirano	Shibaura Institute of Technology	
1.30- 1.45 pm	G6.1	Hennie Husniah, A K Supriatna	Langlangbuana University	Optimal Fleet of Leased Equipment with Preventive Maintenance
1.45- 2.00 pm	G6.2	Farizal, Wenty	Universitas Indonesia	Factors Affecting Consumers Choosing A Gas Station Determinati With Factor Analysis Method
2.00- 2.15 pm	G6.3	Hafid Abdullah	Metal Industries Development Centre (MIDC) Ministry of Industry	Analysys of the workplace culture 5S for continuous improvement foundry industries in Indonesia
2.15- 2.30 pm	G6.4	Rahmat Nurcahyo	Industrial Engineering Dept, Faculty of Engineering, Universitas Indonesia	Business Process Reengineering (BPR) implementation in Automo SPARE Parts Trading Company
2.30- 2.45 pm	G6.5	Alfian, Henry Susanto, Yogi Yusuf Wibisono	Universitas Katolik Parahyangan	Service Quality Measurement and Improvement for Restaurant X Using Dineserve

SESSIONG7. Optimization and Distribution
Chair : Irvanu Rahman, ST.MT
Tuesday, 11August 2015,30 ±5.00 pm
Venue :Narmada

Time	No. ID	Authors	Affiliation	Title
3.30- 3.45 pm	G2.1 (invited)	Prof. Umemuro	Tokyo Institute of Technology	Affective quality: Products, services, and management that provide with affective experiences
3.45- 4.00 pm				
4.00- 4.15 pm	G7.1	Anastasia Lidya Maukar	President University	Application of Response Surface Methodology of Experimental Designs on Welding Operation Settings to Reduce the Defects of Miniature Circuit Breaker Rating 2 Ampere
4.15- 4.30 pm	G7.2	Andira, Anastasia L. Maukar, Tara Septrian	President University	Reduction of Bubble Defect Using Two-level Full Factorial Design in Rotocast Area of PT. Xi
4.30- 4.45 pm	G7.3	Chia-Fen Chi	UGM and NTUST	Ergonomic Evaluation of Interior Car Sound
4.45- 5.00 pm	G7.4	Aliza Ardana	Natonal Taiwan University of Science and Technology, Universitas Gadjah Mada	Fraud Development in Taiwan & Indonesia: How to get the victim

SESSIONG8. Poster Session forIndustrial Engineering
Chair : Inaki Maulida Hakim , ST.MT
Tuesday, 11 August 2015,0.00- 10.30 am; 12.00-1.00pm; 3.00- 3.30pm; 5.00-7.00pm
Venue :Pre-Function Hall

Time	No. ID	Authors	Affiliation	Title
10.00- 10.30 am; 12.00-1.00pm; 3.00- 3.30pm; 5.00-7.00pm	G8.1	Boy Nurtjahyo Moch	Universitas Indonesia	Subtitle Design of Parental Guidance Movie Program on Indonesia Television
	G8.2	Maya Arlini Puspasari	Universitas Indonesia	Fatigue Measurement in Car Driving Activity using Physiological, Cognitive, and Subjective Approaches
	G8.3	Erlinda Muslim, Boy Nurtjahyo Moch, Maya Arlini Puspasari, Raja Alfredo Siregar	Universitas Indonesia	Fatigue Measurement of Driving Activity on Male Motorcycle Driver based on Cognitive, Psychophysical, and Subjective Approach
	G8.4	Isti Surjandari, Arian Dhini, Archangela Puteri Andreyanti, Maya Arlini Puspasari	Industrial Engineering Department, Faculty of Engineering, Universitas Indonesia	Comparative Analysis of Artificial Neural Network and Lognormal Distribution Methods for Designing Predictive Maintenance Scheduling

SESSIONG9. Poster Session forIndustrial Engineering
Chair :
Tuesday,11 August 2015,10.00- 10.30 am; 12.00-1.00pm; 3.00- 3.30pm; 5.00-7.00pm
Venue :Pre-Function Hall

Time	No. ID	Authors	Affiliation	Title
10.00- 10.30 am; 12.00-1.00pm; 3.00- 3.30pm; 5.00-7.00pm	G9.1	Arian Dhini, Isti Surjandari, Muhammad Riefqi, Maya Arlini Puspasari	Industrial Engineering Department, Faculty of Engineering, Universitas Indonesia	Forecasting Analysis of Consumer Goods Demands Using Neural Networks and ARIMA
	G9.2	Inaki Maulida Hakim, Vidyahningtyas Istiyanti	Departemen Teknik Industri, Fakultas Teknik, Universitas Indonesia	Improvement Of Facility Planning Re-Layout For Secondary Packaging Area Of A Pharmaceutical Company In Indonesia Using Corelap Method
	G9.3	Alfian, Verina Stephanie Julia, and Yogi Yusuf Wibisono	Universitas Katolik Parahyangan	Implementation of Analytic Network Process for Selecting Supplier of Aluminum at PT X
	G9.4	Farizal	Universitas Indonesia	Steel Warehouse Location Determination For JABODETABEK and Jawa Barat Distriburion Areas

SYMPOSIUM H: COMMUNITY DEVELOPMENT
SESSION H1. COMDEV
Chair : Dr. Muhammad Suryanegara, ST, M.Sc
Tuesday, 11 August 2015, 1.00 – 3.45 pm
Venue : Edelweiss (Lombok Garden Hotel)

Time	No.	Authors	Affiliation	Title
1.00 - 1.30 pm	H1.1 (Invited)	Rokiah Omar, BOptom., PhD.	Universiti Kebangsaan Malaysia, Malaysia	Institutionalization and Mainstreaming of Community Engagement in High Education Institutions
1.30 - 1.45 pm	H1.2	Rosalita Agustini, Yusinta Natalia Fina, and Junus J Beliu	Universitas Terbuka	Implementation Of Local Cultural Policy Management Wisdom (Ra Lom) In District Bangka Belitung Islands
1.45 - 2.00 pm	H1.3	Nyoman Suwartha, and Erly Bahsan	Universitas Indonesia	Toward a Green Sustainable Campus: Lessons Learned from Conserving Water in the Faculty of Engineering, Universitas Indonesia
2.00 - 2.15 pm	H1.4	Ahmad Zuhdi, Anna SN Dasril, and Sri Yan Kusumastuti	Universitas Trisakti	Analysis and Design of Knowledge Management System for Agribusiness Community Development,
2.15 - 2.30 pm	H1.5	Teti Zubaidah, Bulkis Kanata, and Made Sutha Yadnya	Universitas Mataram	Originally Antipathy Turn into Care for Disaster Preparedness
2.30 - 2.45 pm	H1.6	Budiarto Subroto, and Oscar Tiku	Sahid University Jakarta	The Influence of Economic, Socio-cultural, and Environamental of Tourism Toward Pro-poor Tourism Initiatives in Bunaken National Marine Park
2.45 - 3.00 pm	H1.7	Achmad Hery Fuad	Universitas Indonesia	Behind The Bars, Opportunity for Local People. Lesson From Ciki Jakarta
3.00 - 3.15 pm	H1.8	Wahyuni Ilham	Universitas Lambung Mangkurat South Kalimantan	Building A Satellite Imagery Supported Land Inventory System As Base Model To Prepare An Biodiversity Approach For Mine Closur Program In Wetland Area
3.15 – 3.30 pm	H1.9	Agustino Zulys	Universitas Indonesia	Iron Fortification on Soy-Based Food to Overcome Anemia Diseases in Indonesia
3.30 – 3.45 pm	H1.10	Rossa Turpuk Gabe	Universitas Indonesia	Educative Playroom in Public Housing