

THE 13TH INTERNATIONAL CONFERENCE ON QIR (QUALITY in RESEARCH)

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Schedule of the 13th International Conference on Quality in Research (QiR) in conjunction with the ICCS 2013
Sheraton Mustika Hotel, Yogyakarta, Indonesia, 25-28 June 2013

Date	Time	Programme	Venue
25 June 2013	03.00-05.00 p.m	Registration and Welcome Drink	Pre-function Hall
26 June 2013	07.30-08.00 am	Registration	Pre-function Hall
	08.00-08.30 am	Opening Ceremony	Mataram Ballroom
	08.30-09.30 am	Moderator: Prof. Heri Hermansyah	
	08.30-09.00 am	Plenary Lecture 1: Dr. Yandi A. Yatmo, Faculty of Engineering Universitas Indonesia "Architecture for People: Educating, Empowering, and Sustaining"	
	09.00-09.30 am	Plenary Lecture 2: Prof. Jan Berghmanns, Katholieke Universitet Leuven, Belgium "Study of the Safety Aspects of the Large Scale Use of LNG as a Fuel"	
	09.30-10.00 am	Photo session	Pre-function Hall
	10.00-10.30 am	Poster Session 1	
		Exhibition Coffe break	
	10.30-12.00 am	Moderator: Dr. Akhmad Herman Yuwono	Mataram Ballroom
	10.30-11.00 am	Plenary Lecture 3: Prof. Hamzah Abdul Rahman, International University of Malaya-Wales, Malaysia "Managing Research in a Public University in Malaysia"	
11.00-11.30 am	Plenary Lecture 4: Prof. Pekka Leviäkangas, Oulu University, Finland "Intelligent Transport Systems – Technological, Economic, System Performance and Market Views"		
11.30-12.00 pm	Plenary Lecture 5: Prof. Eiki Kasai, Tohoku University, Japan "Low-Carbon Pretreatment Process of Iron Ores for Green Ironmaking"		
12.00-01.00 pm	Lunch	Pre-function Hall	
	Poster Session Day 1		
	Exhibition		
01.00-03.00 pm	Parallel Session, please see Session Locator for detailed schedule	Pre-function Hall	
03.00-03.30 pm	Poster Session Day 1		
	Exhibition Coffe break		
03.30-06.00 pm	Parallel Session, please see Session Locator for detailed schedule	Pre-function Hall	
06.00-07.00 pm	Poster Session Day 1		
	Exhibition		
27 June 2013	07.00-09.00 pm	Dinner	Pre-function Hall
	08.00-08.30 am	Opening	Pre-function Hall
08.30-10.00 am	Parallel Session, please see Session Locator for detailed schedule		
10.00-10.30 am	Poster Session Day 2		
	Exhibition Coffe break		
10.30-12.00 pm	Parallel Session, please see Session Locator for detailed schedule	Pre-function Hall	
12.00-01.00 pm	Lunch		
	Poster Session Day 2		
01.00-04.00 pm	Exhibition	Pre-function Hall	
	04.00-04.15 pm		Parallel Session, please see Session Locator for detailed schedule
28 June 2013		Closing Ceremony	Pre-function Hall
	04.15-05.00 pm	Coffe Break	
	09.00 am-08.00 pm	Social Tour: Sultan Palace, Taman Sari Water Castle, Batik Factory, Kotagede Silver Factory, Prambanan Temple	Mataram Ballroom Pre-function Hall

SYMPOSIUM	TITLE	ROOM	WEDNESDAY, 26 JUNE 2013			THURSDAY, 27 JUNE 2013			
			1.00 - 3.00 p.m	3.30 - 6.00 p.m	POSTER SESSION *)	08.30 - 10.00 a.m	10.30 - 12.00 a.m	1.00 - 4.00 p.m	POSTER SESSION **)
A	Mechanical & Maritime Engineering	Boardroom 2	A1: Manufacturing Technology Invited: Prof. Tsuyosi Furushima, Japan	A2: Energy Conversion	A3: Poster Session for Manufacturing & Naval Engineering				A7: Poster Session for Energy Conversion
	Mechanical & Maritime Engineering	West III					A4: Manufacturing Technology Invited : Prof. Ken-ichi Manabe, Japan	A5: Naval Engineering	
B	Materials and Metallurgy	Mataram III	B1: Advanced and Composite Materials Invited: Prof. Kozo Obara, Japan & Prof. Didier Fasquelle, France	B2: Manufacture and Process	B3: Poster Session for Materials and Metallurgy	B4: Extraction of Materials	B5: Manufacture and Process	B6: Manufacture and Process	B7: Poster Session for Materials and Metallurgy
	Materials and Metallurgy	East I	B8: Polymer and Ceramic Materials	B9: Corrosion and Degradation of Materials		B10: Advanced and Composite Materials	B11: Advanced and Composite Materials	B12: Advanced and Composite Materials	
C	Chemical and Bioprocess Engineering	East III	C1: Bioprocess Engineering Invited: Prof. Akihiko Kondo, Japan; Prof. Masafumi Yohda, Japan	C2: Chemical Engineering	C3: Poster Session for Chemical and Bioprocess Engineering	C4: Bioprocess Engineering	C5: Chemical Engineering	C6: Chemical Engineering	C7: Poster Session for Chemical and Bioprocess Engineering
D	Industrial Engineering	West II	D1: Optimization and Distribution Invited: Prof. Chao Lung Yang, Taiwan	D2: Manufacturing System	D3: Poster Session for Industrial Engineering	D4: Ergonomics and Innovation	D5: Ergonomics and Innovation	D6: Project and Service Management	D7: Poster Session for Industrial Engineering
	Industrial Engineering	West III	D8: Production Taiwan and Logistics Invited: Prof. Chao Lung Yang,	D9: Quality Engineering					

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E	Electrical Engineering	Mataram I	E1: Electronics Invited: Prof. Koichi Ito, Japan & Prof. Michiharu Tabe, Japan	E2: Electronics	E3: Poster Session for Multimedia and Telecommunication	E4: Computers, Software and Hardware	E5: Computers, Software and Hardware	E6: Energy, Control and Robotic	E7: Poster Session for Electrical and Computer Engineering
	Electrical Engineering	West I	E8: Telecommunication Invited: Prof. Koichi Ito, Japan & Prof. Michiharu Tabe, Japan	E9: Power and Energy System					
F	Civil and Environmental Engineering	Mataram II	F1: Hydrology and Environments	F2: Hydrology and Environments	F3: Poster Session for Environments, Management Construction and Transportation	F4: Hydrology, Geotechnique and Materials	F5: Structure, Geotechnique and Materials	F6: Transportation and Urban Design	F7: Poster Session for Management Construction, Transportation and Materials
	Civil and Environmental Engineering	East II	F8: Construction and Project Management	F9: Structure, Geotechnique and Materials					
G	Architecture, Interior and Urban Planning	Boardroom I			G1: Poster Session for Architecture, Design and Urban Planning	G2: Design and Planning for Sustainability Invited: Prof. Akiko Okabe, Japan	G3: Adaptability and Sustainability	G4: Creativity and Adaptability in Urban Environment	G5: Poster Session for Architecture, Design and Urban Planning
H	Community Development	Boardroom I	H1: Economic and Social Approach for Community Empowerment	H2: Technology-Based Empowerment of Community	H3: Poster Session for Community Development				
I	ICCS 2013	Boardroom II				I1: Bricks and Bytes: Civic Space and the Multitude of Social Media Invited: Prof. Stephen Cairns, Singapore	I2: Round Table Discussion - Bricks and Bytes: Civic Space and the Multitude of Social Media	I3: Round Table Discussion - Bricks and Bytes: Civic Space and the Multitude of Social Media	

Rooms are used by other Symposium
 *) Poster Session on 26 June 2013 is conducted at 10.00 - 10.30 a.m; 12.00 - 1.00 pm; 3.00 - 3.30 pm; and 5.00 - 7.00 pm.

SESSION E11. Electronics

Chair: Dr. Ir. Purnomo Sidi Priambodo M.Sc.

Thursday, 27 June 2013, 10.30-12.00 pm

Venue: West I Room

Time	No.	Authors	Affiliation	Title
10.30-10.45 am	E11.1	Dadan Ramdan, Usman Harahap, Mohd Zulkifly Abdullah	University of Medan Area, Medan, Indonesia	Fluid/Structure Interaction Simulation in IC Encapsulation Process
10.45-11.00 am	E11.2	Anak Agung Ngurah Sapteka, Djoko Hartanto	Faculty of Engineering, Universitas Indonesia	Effect of Gauss Doping Profile on Electric Potential and Electric Field of P-N Diode
11.00-11.15 am	E11.3	Syahril Ardi, Akhid Amin Rohayat	Astra Manufacture Polytechnic, Indonesia	Color Detection on Car Component Knock Down using Microcontroller PIC 16F877A
11.15-11.30 am	E11.4	S. Iwan, S. Bambang, H.M. Fan, S.T. Tan, X.W. Sun	State University of Jakarta, Indonesia	Effects of Growth Temperature on Crystal Structure, Electrical, and Photoluminescence of ZnO Thin Films
11.30-11.45 am	E11.5	Subekti Ari Santoso, Fakhrurozi, Octarina Nur S, Ary Syahriar	Al Azhar Indonesia University, Indonesia	Dark and Bright Soliton in Fiber Optics
11.45-12.00 pm	E11.6	Erfan Handoko, Dede Djuhana, Azwar Manaf	State University of Jakarta, Indonesia	Investigation of electricity coercive behavior of LSFMT0 system using ultrasonic mixing method
11.45-12.15 pm	E11.7	Toru Aoki, Akifumi Koike, Hidenori Mimura	Shizuoka University	Direction Detection of Radioisotopes by Enrgy Spectra of Compton Scattering in flat CdTe Radiation Recorder

SESSION E12. Telecommunications

Chair: Dr. Iskandar Fitri, ST, MT.

Thursday, 27 June 2013, 1.00-4.00 pm

Venue: West I Room

Time	No.	Authors	Affiliation	Title
1.00-1.15 pm	E12.1	Binsar Erick L Girsang, Iskandar Fitri	National University, Indonesia	Optimization of Multi Tunning Stub Proximity Coupled E-Slot Microstrip Patch Array Antenna for Enhance Multi-Wideband
1.15-1.30 pm	E12.2	O.M.Marchylo, Y.Nakanishi, L.V.Zavyalova, G.S.Svechnikov, A.E.Belyaev, H.Kominami, K.Hara	Shizuoka University	Investigation about Pr-effective concentration and influence of Al-addition on the luminescence properties of SrTiO ₃ :Pr ³⁺ ,Al phosphors
1.30-1.45 pm	E12.3	Muhammad Suryanegara, Cantika Felita	Faculty of Engineering, Universitas Indonesia	5G : Identifying Innovation Opportunity based on Key Technologies
1.45-2.00 pm	E12.4	Antonius Suhartomo	President Univeristy Kota Jababeka, Indonesia	Vulnerability and Economic Considerations in Designing Network Topology
2.00-2.15 pm	E12.5	Samudra, Suci Rahmatia, Boy Iswandi	Al Azhar Indonesia University, Indonesia	Computerized Monitoring System Kwh Meter 3 Phase using Star Topology Networkin PT. Multifabrindo Gemilang
2.15-2.30 pm	E12.6	Muhammad Fauzan Edy Purnomo, Edi Supriana, Vita Kusumasari	University of Brawijaya, Indonesia	Circularly Polarized Array Pentagonal Microstrip Antenna for Mobile Satellite Applications
2.30-2.45 pm	E12.7	Bekti Yulianty, Nur Wijayanti K.N, Yohannes Dewanto	Pancasila University, Indonesia	Design of Monitoring Status DVOR (Doppler OMNY VHF RANGE) in Desk at the Airport Tower Halim Perdanakusuma Using SMS (Short
2.45-3.00 pm	E12.8	Muhamad Asvial and Galih Dewandaru	Faculty of Engineering, Universitas Indonesia	Development and Measurement Analysis of Transceiver and TNC for IINUSAT Nanosatellite Payload Communication
3.00-3.15 pm	E12.9	Yus Natali, Rennu Chaerunnisa	Sandhy Putra Academy of Telecommunications Engineering, Indonesia	Call Processing Simulation in GSM Network
3.15-3.30 pm	E12.10	Suci Rahmatia, Muhammad Bujana Deva, Soflan Hamid	Al Azhar Indonesia University, Indonesia	UHF RFID Antenna Tag Design for Product Attachment

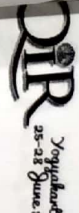
SYMPOSIUM F: CIVIL ENGINEERING

SESSION F1. Hydrology and Environments

Title

Monthly Rainfall Using

SCHEDULE OF PARALLEL SESSION



E12.7

Design of Monitoring Status DVOR (Doppler OMNY VHF RANGE) in Desk at the Airport Tower Halim Perdanakusuma Using SMS (Short Message Service)

Bekti Yulianty, Nur Wijayanti K.N, Yohannes Dewanto

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Jakarta, Indonesia
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Halim Perdanakusuma an alternative airport for domestic flights and overseas, lack of human resources and the amount of electronic equipment at the airport does not allow technicians to always be on station transmitter 'DVOR' (VHF Doppler Omny Range). 'DVOR' is an air navigation system that emits electromagnetic waves all these directions and provide information bearing on the station as well as the data plane bearing, beacon transmitter also transmits data to the three-letter code identity or the identity of the sound to be received by the recipient on the plane. This resulted if DVOR 'off', the technician cannot know the condition early this highly disturbing aviation safety. We need a draft monitoring status on the desk DVOR tower. One is to use 'sms' DVOR order status can always be monitored. This research was designed a system of observers. In the design of the system output RCSE DVOR will affect the output of the logic gate, if it is operating normally at the logic gate output = 0 so that the relay is not switched on, the green LED will be on the line desk Tower will produce a voltage of 3 Volts DC in addition to the microcontroller does not work. In DVOR, RJ11 stated, if the output on RJ 11 = 0 Volt DC and if DVOR 'off' at the transmitter is on one or both transmitter off the output at the logic gate = 5 Volt DC so that the relay will be active so that line the red LED on the desk tower will generate a voltage of 3 Volts DC and output on an RJ 11 = 0.5 Volts DC so that the modem will be activated and sends a message to the technician in charge DVOR.

Keywords:

DVOR, re-engineering, wireless communication



CERTIFICATE



THE 13TH INTERNATIONAL
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This is to certify that

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attended

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