



PROGRAM SCHEDULE

AR2BIO | RAIEIC | ICEMIT

UPH Medan Campus, Lippo Plaza Medan; November 20th-22nd, 2017

Monday, November 20 th , 2017			Location
No	Time	Activities	
1	08.00 - 09.00	AR2BIO, RAIEIC, ICEMIT Registration	
Opening Session			
2	09.00 - 09.03	Opening Prayer	
3	09.03 - 09.10	Dance Performance "International Collaboration" by UPH Medan Students	Ballroom
4	09.10 - 09.15	Sing Indonesia National Anthem "Indonesia Raya"	
5	09.15 - 09.20	Opening Speech By Conference Chairs: Roy Deddy Hasiholan Lumbantobing, S.T., M.I.C.T.	
6	09.20 - 09.30	Speech By UPH Medan Executive Director/Acting Vice President for Academic Affairs, and Dean of Business Schoo: Arifin Fu, SE, MM, MBA, CBV, CMA, FAFMA	
8	09.30 - 10.00	Coffee Break	Hall
9	10.00 - 10.20	Keynote Speaker I RAIEIC: Dr. Ford Lumban Gaol, S.Si., M.Kom.	Ballroom
10	10.20 - 10.40	Keynote Speaker II RAIEIC: Dr. Arlinta Cristy Barus, ST, M.Info.Tech.	
11	10.40 - 11.00	Keynote Speaker III ICEMIT: Dr. Frederik Bungaran Ishak Situmeang	
12	11.00 - 11.20	Keynote Speaker IV AR2BIO: Dr. Reinhard Pinontoan	
13	11.20 - 11.40	Keynote Speaker V Industry: Mr. Bentar Anurogo (Head of Software Quality PT Rekan Usaha Mikro Anda (Grameen Foundation))	
14	11.40 - 12.00	Question and Answer Session	
15	12.00 - 12.05	Handover of Token of Appreciation to Keynote Speakers + Take pictures	
16	12.05 - 13.00	Announcement + Lunch Break	Hall
17	13.00 - 15.00	ICEMIT, RAIEIC, AR2BIO Parallel Sessions	604, 605, 606, 607, 608, 610, Ballroom
18	15.00 - 15.30	Coffee Break	Hall
19	15.30 - 17.00	ICEMIT, RAIEIC, AR2BIO Parallel Sessions	604, 605, 606, 607, 608, 610, Ballroom
20	17.00 - 17.30	Closing Ceremony	Ballroom
Tuesday & Wednesday, November 21st-22nd, 2017			
Networking Sessions			

PARALLEL SESSIONS

Monday, November 20th, 2017

AR2BIO : Session 1 _ Biofuels

Room : Ballroom

Moderator : Nanjappa Ashwath (Central Queensland University & Bruce Highway Rockhampton, Australia)

No	Time	Paper #	Title	Authors
1	13.00 - 13.15	1570401287	Research Roadmap of Bioremediation: Review of in Situ Method on Land Bioremediation	Winardi Winardi, Endang Soetarti, Eko Haryono and Sudrajat Sudrajat (Gadjah Mada University, Indonesia)
2	13.15 - 13.30	1570401643	Cytotoxicity Test of Chitosan Solution as Acrylic Denture Cleansers Solution	Angela Evelyn, Dahlia Sutanto, Stella Tinia, Cherry Azaria and Roro Dian (Maranatha Christian University, Indonesia)
3	13.30 - 13.45	1570405207	Flame Characteristics of Biogas from Coffee Waste Materials	Nasrul Ilminnafik, Digdo Llstyadi Setyawan, Hary Sutjahjono, Aunur Rofiq and Ahmad Sofyan Hadi (University of Jember, Indonesia)
4	13.45 - 14.00	1570408889	Biodiesel Synthesis from Waste Cooking Oil Using Heterogeneous Catalyst from Corncob Ash Impregnated with KOH	Taslim Taslim (University of Sumatera Utara, Indonesia); Boy Sinaga, Monica Nathalia Sihaloho, Iriany Iriany and Okta Bani (Universitas Sumatera Utara, Indonesia)
5	14.00 - 14.15	1570409771	Bio Capacity in Land Use at Border Indonesia Malaysia	Robby Irsan (Doctoral Program of Environmental Science Post Graduate School, Gadjah Mada University, Yogyakarta, 55281, Indonesia)
6	14.15 - 14.30	1570413085	The Effects of Particle Size and Content on Morphology and Mechanical Properties of Rice Straw and Coal Fly Ash Filled-Polypropylene Composites	Ninik Wahyuni (Politeknik Negeri Bandung, Indonesia)
7	14.30 - 14.45	1570408743	Secondary Metabolite Content in Pegagan (<i>Centella Asiatica</i>) from North Sumatera	Noverita Vinolina (Universitas Sisingamangaraja XII Medan, Indonesia)
8	14.45 - 15.00	1570412571	Novel Dual-Parameter Live Single Cell Detection, Sorting, and Isolation Platform	Anand Kesavaraju, Hany Nassef and George Anwar (Nodexus Inc., USA); Karthik Balakrishnan (Nodexus Inc & QB3 Berkeley, USA)

9	15.00 - 15.15	1570414731	Beauty Leaf Tree (<i>Calophyllum Inophyllum</i> L.) - Can This Species Serve as a Future Biofuel Feedstock?	Nanjappa Ashwath (Central Queensland University & Bruce Highway Rockhampton, Australia)
ICEMIT : Session 1 _ Engineering Management 1 Room : 604 Moderator : Ricardo Chandra Situmeang, S.Psi, M.A. (Institut Teknologi Del)				
No	Time	Paper #	Title	Authors
1	13.00 - 13.15	1570396871	SUCCESS LEVEL IMPLEMENTATION OF ERP AT INDONESIA STATE-OWNED ENTERPRISES TRANSPORTATION SECTORS	Bachtiar H. Simamora, Hartiwi Prabowo and Rudi Rudi (Management Department, BINUS Business School, Undergraduate Program, Bina Nusantara University)
2	13.15 - 13.30	1570400762	The Leadership Element Supporting on Evaluation Culture of Sustainable Capacity Building for Decentralization Project in Central Tapanuli District, the North Sumatera Province in Indonesia	Tunggul Sihombing (University of North Sumatera, Indonesia)
3	13.30 - 13.45	1570407269	Compatibility Between Shift Work and Chronotype in Indonesian Air Traffic Control' Workers: View of Performance and Mental Workload	Zelina Venesia (ITB, Indonesia); Ari Widyanti (Bandung Institute of Technology, Indonesia)
4	13.45 - 14.00	1570408808	Model Reverse Logistics System of Plastic Waste Recycling at Indonesia	Hendy Suryana (Bandung Institute of Technology (ITB), Indonesia); Gatot Yudoko (Institut Teknologi Bandung, Indonesia); Heru Hidayat Putro (Institut Teknologi Bandung - Indonesia, Indonesia); Puspita Dirgahayani (Bandung Institute of Technology, Indonesia)
5	14.00 - 14.15	1570408865	Acceleration for the Administration Process of Project Contract in Power Plant Service Company Using DMAIC	Gita Bhawika and Mokh Suef (Institut Teknologi Sepuluh Nopember, Indonesia)
6	14.15 - 14.30	1570408686	Simulation on Heat and Mass Transfer of an Evaporator as Evaporation Chamber in Natural Vacuum Solar Desalination System	Agistya Ronowikarto (University of North Sumatera, Indonesia)
7	14.30 - 14.45	1570408735	Performance Appraisal Based on Employees Competence in Procurement Services Unit (Case of Area Semarang)	Darminto Pujotomo (Diponegoro University & Industrial Engineering, Indonesia)

ICEMIT : Session 1 _ Engineering Management 2

Room : 605

Moderator : Nantawut Sriariyawat (Faculty of Engineering Sriracha, Kasetsart University Sriracha Campus, Thailand)

No	Time	Paper #	Title	Authors
1	13.00 - 13.15	1570409865	Implementation of Agile Manufacturing for Thai's SMEs	Nantawut Sriariyawat (Faculty of Engineering Sriracha, Kasetsart University Sriracha Campus, Thailand)
2	13.15 - 13.30	1570410436	Capacity of Local Government in Responding Disaster Case Study of Tanah Karo District in Responding Mount Sinabung Eruption	Tunggul Sihombing (University of North Sumatera, Indonesia); Asima Siahaan and Henri Sitorus (Universitas Sumatera Utara, Indonesia)
3	13.30 - 13.45	1570413116	Productivity Improvement with Short Term Quantitative Forecasting Method Case Study on Store - Tokopedia and Bukalapak	R Bagus Yosan and Muhammad Kholil (Universitas Mercu Buana, Indonesia)
4	13.45 - 14.00	1570407277	The Role of National Culture on the Design and Usability of E-Commerce Websites: An Indonesian Case	Fatharani Arinalhaq (ITB, Indonesia); Ari Widyanti (Bandung Institute of Technology, Indonesia)
5	14.00 - 14.15	1570414709	Improving the Efficiency of the Milkrun Truck Suppliers in Cikarang Area by Merging the Payload Cycles and Optimizing Using the Saving Matrix Methods	R Bagus Yosan (Universitas Mercu Buana, Indonesia)
6	14.15 - 14.30	1570413244	Innovative Business Models in Developing Meat Ecotourism in Toba Samosir	Mariana Simanjuntak and Santi Agustina Manalu (Del Institute of Technology, Indonesia)
7	14.30 - 14.45	1570413653	Work Elements Analysis for Optimization Operator Productivity in Warehouse	Hadi Saragi (Del Institute of Technology, Indonesia); Putri Sitompul and Tomy Gultom (Institut Teknologi Del, Indonesia)

ICEMIT : Session 1 _ Engineering Management 3

Room : 606

Moderator : Ari Widyanti (Bandung Institute of Technology, Indonesia)

No	Time	Paper #	Title	Authors
1	13.00 - 13.15	1570413590	Applying Action Design Research (ADR) to Develop Collaboration Virtual Programming Laboratory as Supporting System for Student Centered Learning	Azizah Zakiah (Widyatama University, Indonesia)

2	13.15 - 13.30	1570413591	Under Voltage Load Shedding Simulation for Southern Sulawesi Power System with Integration of Wind Power Plants	Wisna Saputri Alfira WS, Muhammad Nappu and Ardiaty Arief (Hasanuddin University, Indonesia)
3	13.30 - 13.45	1570413131	Effectiveness of Cascades Reservoir for Flood Control Operation and Electricity Production in Nam Ngum River	Vilandone Keophila, V (Chiang Mai University & Electricite Du Lao-Generation Public Company, Thailand)
4	13.45 - 14.00	1570407281	Adaptation of Tracer—Technique for the Retrospective and Predictive Analysis of Cognitive Errors- For Analyzing Indonesian Train Accident Involving Train Dispatcher	Fikri Maulana (ITB, Indonesia); Ari Widyanti (Bandung Institute of Technology, Indonesia)
5	14.00 - 14.15	1570414122	Improving Customer's Willingness to Buy: Choosing the Right Salesperson Activities	Ricardo Situmeang (Del Institute of Technology, Indonesia); Samuel Tampubolon (Del Institute Of Technology, Indonesia); Frederik Situmeang (University of Amsterdam & Institut Teknologi Del, The Netherlands); Happy Silaban and Sri Nadapdap (Del Institute of Technology, Indonesia)
6	14.15 - 14.30	1570414125	The Influence of Prestige in Innovation Adoption	Ricardo Situmeang (Del Institute of Technology, Indonesia); Frederik Situmeang (University of Amsterdam & Institut Teknologi Del, The Netherlands); Ruth Napitupulu and Rini Hutahaean (Del Institute of Technology, Indonesia); Putri Sitompul (Institut Teknologi Del, Indonesia)
7	14.30 - 14.45	1570405363	Prospects of Low Emission Development in Industrial Sector of Central Java	Agung Sugiri (Diponegoro University, Indonesia)

RAIEIC : Session 1 _ Electrical and Electronics

Room : 607

Moderator : Indra Hartarto Tambunan, PhD.

No	Time	Paper #	Title	Authors
1	13.00 - 13.15	1570408372	Actor-Actor Coordination in Wireless Sensor Actor Network Using Row Index Data Access Matrix Technique	Rida Hudaya (Politeknik Negeri Bandung & eFarming Corpora, Indonesia)
2	13.15 - 13.30	1570409056	Design System on Chip PreAmp Embedded on Electrocardiograph Based 0.35M CMOS Technology	Yulisdin Mukhlis, Erma Triawati Christina and Veronica Ernita Kristianti (Gunadarma University, Indonesia)

3	13.30 - 13.45	1570410335	Dipole Antenna Design with CPS Matching for RFID Application	Bayu Yakti and Yulisdin Mukhlis (Gunadarma University, Indonesia)
4	13.45 - 14.00	1570413692	Design of IP Interconnection Regulation for Indonesia Telecommunication	Gunawan Wibisono (University of Indonesia, Indonesia); Muhammad Suryanegara, Ajib S. Arifin, Ubay Noor and Perzil Yurdiz (Universitas Indonesia, Indonesia)
5	14.00 - 14.15	1570413696	Analysis of Operator XL's Readiness on IP Based Voice Interconnection to Support Voice over LTE Implementation	Gunawan Wibisono (University of Indonesia, Indonesia); Farianto Farianto and Ihsan Ibrahim (Universitas Indonesia, Indonesia)
6	14.15 - 14.30	1570408797	Computational Study of Electronic Structure Rare-Earth Doped Semiconductor III-V: GGA Approximation	Muhammad Y. H. Widiyanto (Institute Teknologi Del, Indonesia)
7	14.30 - 14.45	1570415280	Implementation of Smart Shop Card Using Raspberry Pi 3 in Institut Teknologi Del's Canteen	Indra Hartarto Tambunan (Institut Teknologi Del, Indonesia); Marojahan Sigiro (Del Institute of Technology, Indonesia)

RAIEIC : Session 1 _ Informatics 1

Room : 608

Moderator : Anthon R Tampubolon (Del Institute of Technology, Indonesia)

No	Time	Paper #	Title	Authors
1	13.00 - 13.15	1570397812	Design of Laboratory Management Information System: Case Study National Narcotics Board Republic of Indonesia	Petrus Mursanto (Universitas Indonesia, Indonesia)
2	13.15 - 13.30	1570397824	Design of Standard Operating Procedure for Requirement Engineering in Software Development	Petrus Mursanto (Universitas Indonesia, Indonesia)
3	13.30 - 13.45	1570399550	Interactive Visualization Approach to Support Exploratory Data Analysis: Illustration in Research Topic Distribution	Miratul Mufida (Batam State Polytechnic, Indonesia); Ari Wibowo (Politeknik Negeri batam, Indonesia); Evaluata Sembiring (Politeknik Negeri Batam, Indonesia)
4	13.45 - 14.00	1570401151	Instances Classification Technique Based on Semantic and Statistical Approaches for Hyponymy Taxonomic Relation on Quran Ontology	Fandy Setyo Utomo (STMIK AMIKOM Purwokerto, Indonesia & Faculty of Information and Communication Technology, Universiti Teknikal Malaysia Melaka, Malaysia); Nanna Suryana and Mohd Sanusi Azmi (Faculty of Information and

				Communication Technology, Universiti Teknikal Malaysia Melaka, Malaysia)
5	14.00 - 14.15	1570406358	Internship Logbook Mining (Illustration in Politeknik Negeri Batam)	Miratul Mufida and Muhammad Nashrullah (Batam State Polytechnic, Indonesia)
6	14.15 - 14.30	1570401239	How Computer Network Learning Environment Based Blended Reading Strategies Impact on Informatics Engineering Students' Reading Comprehension	Rumondang Marsaulina (INSTITUT TEKNOLOGI DEL, Indonesia)
7	14.30 - 14.45	1570408778	Depreciation Measurement on Computer Lab Inventory Using Straight-Line Method	Diki Arisandi and Luluk Elvitaria (Departement of Informatics Engineering, Universitas Abdurrab, Pekanbaru 28292, Riau, Indonesia.); Seri Hartati (Departement of Government, Universitas Abdurrab, Pekanbaru 28292, Riau, Indonesia); Liza Trisnawati (Departement of Informatics Engineering, Universitas Abdurrab, Pekanbaru 28292, Riau, Indonesia.); Darsono Nababan (Departement of Information System, Universitas Pelita Harapan Medan, Medan 20112, North Sumatera, Indonesia)
8	14.45 - 15.00	1570413434	Implementation of Sentiment Analysis on Twitter Using Naive Bayes Algorithm to Know the People Responses to the Debate of DKI Jakarta Governor Election	Yohanssen Pratama and Anthon R Tampubolon (Del Institute of Technology, Indonesia)
RAIEIC : Session 1 _ Informatics 2 Room : 610 Moderator : Arlinta Christy Barus (Del Institute of Technology, Indonesia)				
No	Time	Paper #	Title	Authors
1	13.00 - 13.15	1570456735	The implementation of ATDD and BDD from Testing Perspectives	Arlinta Christy Barus (Del Institute of Technology, Indonesia)

2	13.15 - 13.30	1570415076	A Comparison Study of Latent Semantic Analysis and WordNet-PageRank for Keyword Extraction from Indonesian Text	Yaya Setiyadi (Del Institute of Technology, Indonesia)
3	13.30 - 13.45	1570414813	Security Analysis Combination Secret Sharing Protocol and Three-Pass Protocol	Darsono Nababan (Universitas Pelita Harapan Medan, Indonesia); Robbi Rahim (Institut Teknologi Medan, Indonesia)
4	13.45 - 14.00	1570413664	Tuition Single Classification Using Decision Tree Method and C4.5	Baihaqi Siregar (University of Sumatera Utara, Indonesia); Erna Budhiarti Nababan, MIT (Universitas Sumatera Utara, Indonesia); Noviyanti Tri Mareta Sagala (National Taipei University of Technology, Taiwan); Ulfi Andayani and Fahmi Fahmi (University of Sumatera Utara, Indonesia)
5	14.00 - 14.15	1570413683	3D Digitalization of Besakih Architectural Heritage: Documentation and Preservation	Padma Nyoman Crisnapati (STMIK STIKOM Bali, Indonesia); I Gede Mahendra Darmawiguna and Made Windu Antara Kesiman (Ganesha University of Education, Indonesia); Bagus Kusuma Wijaya (STIKOM Bali, Indonesia)
6	14.15 - 14.30	1570413689	Pasang Aksara Bot: A Balinese Script Writing Robot Using Finite State Automata Transliteration Method	Padma Nyoman Crisnapati (STMIK STIKOM Bali, Indonesia); Putu Devi Novayanti (Ganesha University of Education, Indonesia); Gede Indrawan (Universitas Pendidikan Ganesha, Indonesia); I Made Suandana Astika Pande (STIKOM Bali, Indonesia); I Wayan Aditya Suranata (Narayana Instrument, Indonesia)
7	14.30 - 14.45	1570410806	Dynamic Partitioning and Additional Branch Coverage for Test Case Selection	Arnaldo Sinaga and Arie Dharma (Del Institute of Technology, Indonesia)
8	14.45 - 15.00	1570408789	STTS: IoT-based Smart Trash Tracking System for Dumpsters Monitoring Using Web Technology	Padma Nyoman Crisnapati and I Komang Aryanto (STIKOM Bali, Indonesia); I Nyoman Wardana (Politeknik Negeri Bali, Indonesia); Made Satria Wibawa, Ricky Aurelius Nurtanto Diaz and Dedy Panji Agustino (STIKOM Bali, Indonesia); Ann Margareth (PT. XL Axiata Indonesia, Indonesia); I Made Sarjana (Politeknik Negeri Bali, Indonesia)

RAIEIC : Session 2 _ Informatics 1

Room : 604

Moderator : Roy Deddy Hasiholan Lumbantobing (Del Institute of Technology, Indonesia)

No	Time	Paper #	Title	Authors
1	15.30 - 15.45	1570408787	E-Luu: A Smart Dumpsters Location Planning System for Urban Management	Padma Nyoman Crisnapati (STMIK STIKOM Bali, Indonesia); Made Satria Wibawa and Dedy Panji Agustino (STIKOM Bali, Indonesia); I Nyoman Wardana (Politeknik Negeri Bali, Indonesia); I Komang Aryanto (STMIK STIKOM Bali, Indonesia); Ricky Aurelius Nurtanto Diaz (STIKOM Bali, Indonesia); Ann Margareth (PT. XL Axiata Indonesia, Indonesia); I Made Sarjana (Politeknik Negeri Bali, Indonesia)
2	15.45 - 16.00	1570408824	Comparing Grammatical Evolution Survivor Selection Methods in Forecasting Tidal Level	Nerfita Nikentari (Universitas Maritim Raja Ali Haji, Indonesia)
3	16.00 - 16.15	1570413587	Application of Sentiment Analysis on Product Review E-Commerce	Yuniarta Basani, Harris Sibuea, Sinta Sianipar and Jen Samosir (Institut Teknologi Del, Indonesia)
4	16.15 - 16.30	1570413686	Implementation of Artificial Neural Network to Predict S&P 500 Stock Closing Price	Ike Fitriyaningsih (Institut Teknologi Del, Indonesia); Anthon R Tampubolon (Del Institute of Technology, Indonesia); Harry Lumbaraja (Institut Teknologi Del, Indonesia); Grace Pasaribu (Del Institute of Technology, Indonesia); Pita Sitorus (Institut Teknologi Del, Indonesia)
5	16.30 - 16.45	1570413654	Design of Adaptive Internal Control Model on Binary Distillation Column	Wahyudi Wahyudi (Departemen Teknik Elektro UNDIP, Indonesia)
6	16.45 - 17.00	1570413887	Development of Tourism Mobile Application Based On Augmented Reality Technology	Roy Deddy Hasiholan Lumbantobing (Del Institute of Technology, Indonesia)
7	17.00 - 17.15	1570450991	Development of WISTA Application	Roy Deddy Hasiholan Lumbantobing (Del Institute of Technology, Indonesia)

RAIEIC : Session 2 _ Informatics 2

Room : 605

Moderator : Verawaty Situmorang (Del Institute of Technology, Indonesia)

No	Time	Paper #	Title	Authors
1	15.30 - 15.45	1570408800	Applying Opinion Mining Technique on Tourism Study Case: Lake Toba	Verawaty Situmorang, Tia Elyani, Roberto Tambunan and Yohana Gultom (Institut Teknologi Del, Indonesia)
2	15.45 - 16.00	1570408817	Ontology Application in Semantic Web Scrapping User-Benefit Tickets from Potential Websites	Togu Novriansyah Turnip, Ephraim Silalahi, Yuli Sinulingga and Valentina Siregar (Institut Teknologi Del, Indonesia)
3	16.00 - 16.15	1570408842	Educational Mobile Application Development: A Child-Centered Approach	Riyanthi Angrainy Sianturi, Ingrid Simanjuntak, Paul Simanjuntak and Gomgom Purba (Del Institute of Technology, Indonesia)
4	16.15 - 16.30	1570413227	Increase Performance Genetic Algorithm (GA) in Matching System by Setting GA Parameter	Rijois Iboy Erwin Saragih (Universitas Methodist Indonesia, Indonesia); Darsono Nababan (Universitas Pelita Harapan Medan, Indonesia)
5	16.30 - 16.45	1570413339	Lessons Learned in Applying Reactive System in Microservices	Alex Xandra Albert Sim (PT Global Digital Niaga, Indonesia); Okky Putra Barus (Universitas Pelita Harapan Medan, Indonesia); Frandy Jaya (PT Global Digital Niaga, Indonesia)
6	16.45 - 17.00	1570410339	Design and Built IoT Home Panic Button for Smart City	Sandy Prayogo, Yulisdin Mukhlis and Farid Alrafi (Gunadarma University, Indonesia)
7	17.00 - 17.15	1570412593	Predict Next Users Location to Improve Accuracy of Mobile Advertising	Bagus Priambodo and Nur Ani (Universitas Mercu Buana, Indonesia); Yuwan Jumaryadi (University of Mercu Buana, Indonesia)