

Time	Activities	Description
Thursday, June 25th 2020		
08:00 - 08:05	Opening Ceremony	Master of Ceremony
08:05 - 08:10	National Anthem	Indonesia Raya
08.10 – 08.15	Opening Prayer	Evta Indra, M.Kom.
08:15 - 08:25	Welcoming Message	General Chair of MECnIT 2020 Abdi Dharma, M.Kom.
08:25 - 08:35	Opening Remarks	IEEE Indonesia CSS/RAS Joint Chapter Arjon Turnip, Ph.D.
08:35 - 08:45	Opening Remarks	Rector of Universitas Prima Indonesia Dr. Chrismis Novalinda Ginting, M.Kes
08:45 - 09:25	Keynote Talk I	Ivan Kristanto Singgih, Ph.D. Korea Advanced Institute of Science & Technology (KAIST) Republic of Korea
09:25 - 10:05	Keynote Talk II	Intan Zaurah Mat Darus, Ph.D. Universitas Teknologi Malaysia
10:05 - 10:45	Keynote Talk III	Endra Joelianto, Ph.D., SMIEEE Institut Teknologi Bandung
10:45 – 11:55	Question and answer session	Moderator
11.55 – 12.00	Taking Picture	Master of Ceremony
12:00 - 13:00	Lunch Break	Master of Ceremony
13:00 - 15:00	Parallel Session 1	
	Class 1/ Invited Talk I	Daniel Sutopo Pamungkas, Ph.D. Politeknik Negeri Batam
	Class 2 /Invited Talk II	Dr. Poltak Sihombing, M.Kom. Universitas Sumatera Utara
	Class 3	Industrial Technology
	Class 4	Computer Science # 1
	Class 5	Computer Science # 2
	Class 6	Information System & Technology

15:00 - 17:00	Parallel Session 2	
	Class 1	Electrical Engineering
	Class 2	Computer Science # 1
	Class 3	Computer Science # 2
	Class 4	Computer Science # 3
	Class 5	Information System & Technology
	Class 6	Industrial Technology
17:00	Time Off	Master of Ceremony



PARALLEL SESSION I

MECnIT 2020



SESSION I - 1

Track : Mechanical Engineering
Invited Speaker : Daniel Sutopo Pamungkas, Ph.D
Session Chair : Yuliarman Saragih
Co-Session Chair : Evta Indra (085274705192)

TIME	ID PAPER	AUTHOR	ARTICLE TITLE	PRESENTATION VIDEO URL
13.00 - 13.40		Daniel Sutopo Pamungkas, Ph.D	Electro-tactile Stimulation for Augment Learning Motoric Finger	
13.40 - 13.50	1570639710	Lenny Wijaya, Chrismis Novalinda Ginting, Linda Chiuman, I Nyoman Ehrich Lister	Cardio Protective Effect of Ethanolic Extract Vernonia Amygdalina Delile on Rats Induced Doxorubicin	
13.50 - 14.00	1570648696	Koresy Lambok Siregar, Muhamad Asvial	Analysis of IoT Implementation Using the Dematel Method and TOE Framework	https://www.youtube.com/watch?v=IG37jgB0jEw&feature=youtu.be
14.00- 14.10	570639713	Susanna Waldemar, Chrismis Novalinda Ginting, Linda Chiuman, I Nyoman Ehrich Lister, Sukirman Lie	Pancreas Protective Effect of Ethanolic Extract Vernonia Amygdalina Delile on Rats Induced Doxorubicin	
14.10 - 14.20	1570648729	Ngurah Putu Oka Harybuana, Ajib Setyo Arifin	Telecommunication Service Subscriber Churn Likelihood Prediction Analysis Using Diverse Machine Learning Model	https://www.youtube.com/watch?v=xOXMoAaUacw&feature=youtu.be
14.20 - 14.30	1570639709	Eddy, Chrismis Novalinda Ginting, Linda Chiuman, I Nyoman Ehrich Lister	Nephroprotective Effect of Ethanolic Extract Vernonia Amygdalina Delile on Rats	https://www.youtube.com/watch?v=440vKpYUm8o
14.30 - 14.45	1570648554	Yuliarman Saragih, Jandoni Horas Prima Silaban, Hasna Aliya Roostiani, Agatha Elisabet	Design of Automatic Water Flood Control and Monitoring Systems in Reservoirs Based on Internet of Things (IoT)	
14:45 - 15:00	1570643845	Yessi Jusman	Application of Watershed Algorithm and Gray Level Co-Occurrence Matrix in Cell Leukemia Image	

SESSION I - 2

Track : Electrical Engineering
Invited Speaker : Dr. Poltak Sihombing, M.Kom.
Session Chair : Kalvein Rantelobo
Co-Session Chair : Oloan Sihombing (081260091648)

TIME	ID PAPER	AUTHOR	ARTICLE TITLE	PRESENTATION VIDEO URL
13.00 - 13.40		Dr. Poltak Sihombing, M.Kom.	Robotic Arm Controlling Based on Fingers and Hand Gesture	
13.40 - 13.50	1570624662	Suherman, Fahmi, Zul Herri	The Extended Internet of Thing Node Impact to Data Collection Performances	https://www.youtube.com/watch?v=I3Uo5Qs6ANI&feature=youtu.be
13.50 - 14.00	1570624660	Suherman, Rizky Ananda Putra, Maksum Pinem	Ultrasonic Sensor Assessment for Obstacle Avoidance in Quadcopter-based Drone System	https://www.youtube.com/watch?v=Ab3379Te7a0&feature=youtu.be
14.00- 14.10	1570613259	Kalvein Rantelobo, Hendro F. J. Lami, Andreas C. Louk, Nyoman P. Sastra, Bernandus	The Object Detection on Video Transmission over Wireless Visual Sensor Network	https://www.youtube.com/watch?v=L0gByw4i3Jc&t
14.10 - 14.20	1570618624	Waseem Shahzad, Yasar Ayaz, Muhammad Jawad Khan, Noman Naseer, Amad Zafar	Characterizing the Effect of Motion Class Taxonomy on the Performance of Hand Motion Classifiers	https://www.youtube.com/watch?v=EzGBDfi7lIQ&feature=youtu.be
14.20 - 14.30	1570627042	Md. Saiful Islam Sumon, Nowshed Al Nur Hridoy, Anas Mahmood, Rakibul Hasan Sagor	Designing GaAs Based Semi-Elliptical Nano Plasmonic Coupler with Analytical Assessment	https://www.youtube.com/watch?v=u-kNYy8_c4I
14.30 - 14.45	1570646068	Marzuki Sinambela, Kerista Tarigan, Marhaposan Situmorang, Syahrul Humaidi, Teguh Rahayu, Ayun Ria Ainun	Time-Frequency Analysis of Digital Broadband Station Based on Padang Lawas Earthquake	https://www.youtube.com/watch?v=pSvIAG9S000
14:45 - 15:00	1570651719	Marzuki Sinambela, Marhaposan Situmorang, Kerista Tarigan, Syahrul Humaidi, Humuntal Rumapea, Naikson Fandier Saragih, Surianto Sitepu, Indra Kelana Jaya, Teguh Rahayu	Background Seismic Noise on Selected Digital Broadband Network Stations of Tarutung Earthquake Based on Power Spectral Density and Probabilistic Density Function Method	https://www.youtube.com/watch?v=B3C1dAmabSU&t=69s

SESSION I - 3

Track : Industrial Technology
Session Chair : Nurhayati Sembiring
Co-Session Chair : Yonata Laia (081376746033)

TIME	ID PAPER	AUTHOR	ARTICLE TITLE	PRESENTATION VIDEO URL
13.00 - 13.15	1570619677	Solichul Huda, Aripin Udinu, Mohammad Farid Naufa, Fanny Martianova Yudianingtias, Anisti,	Fraud Patterns Classification: A study of Fraud in business Process of Indonesian Online Sales Transaction	
13.15 - 13.30	1570651786	Felix Budianto, Jonathan Halim, Anita Christine Sembiring	Redesigning Furniture Production Floors Using Systematic Layout Planning and ALDEP Method to Minimize Material Handling Costs	https://www.youtube.com/watch?v=1HEe9j89ceM&t=6s
13.30 - 13.45	1570639714	Suwarni, Chrismis Novalinda Ginting, Linda Chiuman, I Nyoman Ehrich	Ethanol extract of African Leaf effect on MDA and SOD level in rats induced Doxorubicin	
13.45- 14.00	1570645348	Cindy, Martinus Ahmad Raif, Chrismis Novalinda Ginting, Refi Ikhtiari	Decrease of Skin Hydration Levels within 24 Hours after Chemical Peeling with 30% Salicylic Acid	https://www.youtube.com/watch?v=rqD2Hxqgb1o&feature=youtu.be
14.00 - 14.15	1570639715	Yenny, Ermi Girsang, Ali Napih Nasution, I Nyoman Ehrich Lister	Comparison Hepatoprotective Effect of Virgin Coconut Oil and Curcuma Longa Linn Against Doxorubicin Induced Hepatotoxicity in Wistar Rat	
14.15 - 14.30	1570639707	Nina Adriana, I Nyoman Ehrich Lister, Edy Fachrial, Chrismis Novalinda Ginting, Sukirman Lie	Effectiveness Test of Wound Healing based Virgin Coconut Oil toward Commercial Products on Rabbits	
14.30 - 14.45	1570633202	Nurhayati Sembiring	Optimization of Durian Supply Chain with Dynamic System Simulation	https://www.youtube.com/watch?v=FO9RhZi3BoU&feature=youtu.be
14.45 - 15.00	1570636119	Nurhayati Sembiring	Developing Multi-Agent Systems Using Agent-Based and Geographic Information System (GIS) Simulation	https://www.youtube.com/watch?v=rXI7d1nENF0&feature=youtu.be

SESSION I - 4

Track : Computer Science # 1
Session Chair : Hasanah Fachri Simbolon
Co-Session Chair : Saut Parsaoran Tamba (085270916661)

TIME	ID PAPER	AUTHOR	ARTICLE TITLE	PRESENTATION VIDEO URL
13.00 - 13.15	1570638150	Abdurrahman Ridho, Tulus, Syahril Efendi	Optimization Of The Gronsfield Cipher Key Using Okamoto-Uchiyama Public-Key Cryptosystem For Data Security	https://www.youtube.com/watch?v=5-cWLHtjH1o&feature=youtu.be
13.15 - 13.30	1570641179	Ahmadi Irmansyah Lubis, Poltak Sihombing and Erna Budhiarti Nababan	Comparison SAW and MOORA Methods with Attribute Weighting Using Rank Order Centroid in Decision Making	https://www.youtube.com/watch?v=HFKtyigt-ks&feature=youtu.be
13.30 - 13.45	1570629617	Ananda Mutya Dewi, Tulus, Muhammad Zarlis	Optimization OF Smooth Support Vector Machine Algorithm Using Backpropagation Nguyen Widrow Algorithm in Classification of Malitus Diabetes Disease	https://www.youtube.com/watch?v=ih2aeA6BrDo&feature=youtu.be
13.45- 14.00	1570639578	Anggiat Saroha Sianipar, Herman Mawengkang, Suherman	Performance Analysis of Classifier in Detecting Epileptic Seizure Based on Discrete Wavelet Transform	https://www.youtube.com/watch?v=ecVj3dhxOPo
14.00 - 14.15	1570639579	Fransisca Angelia Sebayang, Maya Silvi Lyda, Benny Benyamin Nasution	Optimization on Purity K-Means Using Variant Distance Measure	https://www.youtube.com/watch?v=tKjmfii-Py0&t=16s
14.15 - 14.30	1570643667	Putri Perdana Sari, Erna Budhiarti Nababan and Muhammad Zarlis	Comparative Study of LUC, ElGamal and RSA Algorithms in Encoding Texts	https://www.youtube.com/watch?v=gL1lylUH7SU&feature=youtu.be
14.30 - 14.45	1570639580	Rosma Siregar, Muhammad Zarlis, Zakarias Situmoran, Nursyahid Siregar	Analysis Of Fuzzy Logic Tsukamoto Development Analysis For Predicting Caesar or Normal Labor	https://www.youtube.com/watch?v=S_TFTFhLYyQ&feature=youtu.be
14.45 - 15.00	1570619878	Hasanah Fachri Satia Simbolon, Sawaluddin, Pahala Sirait	The Effect of Bicubic Interpolation on Viola-Jones and Principal Component Analysis in Detecting Faces and Helmet Wearers	

SESSION I - 5

Track : Computer Science # 2
Session Chair : Darwin NG
Co-Session Chair : Delima Sitanggang (081264238894)

TIME	ID PAPER	AUTHOR	ARTICLE TITLE	PRESENTATION VIDEO URL
13.00 - 13.15	1570634106	Sheilla Nadia Valina	Dimensioning USO Project in Indonesia with Telstar 18 Vantage	https://www.youtube.com/watch?v=yYJTh9ID3bk&feature=youtu.be
13.15 - 13.30	1570646213	Rahmad Syah, Mahyuddin K M Nasution	Performance Knowledge Acceleration Optimization with MARS to Customer Behavior in Merchant Ecosystem	
13.30 - 13.45	1570646723	Segar Napitupulu, Erna Budhiarti Nababan, Poltak Sihombing	Comparative Analysis of Fuzzy Inference Tsukamoto Mamdani and Sugeno in The Horticulture Export Selling Price	https://www.youtube.com/watch?v=8zGR-22TtZk
13.45- 14.00	1570639576	M Khalil Gibran, Erna Budhiarti Nababa, Poltak Sihombing	Analysis of Face Recognition with Fuzzy C-Means Clustering Image Segmentation and Learning Vectors Quantization	https://www.youtube.com/watch?v=vw7eqjK51Y&feature=youtu.be
14.00 - 14.15	1570643835	Elieser Tarigan	Review of Solar Photovoltaic Android-Based Applications for Smartphone and Tablet	https://www.youtube.com/watch?v=zzpdXte04Vs&t=15s
14.15 - 14.30	1570652668	Teguh Rahayu, R.B, Djati Cipto Kuncoro, Zaenal Abidin Al Atas, Marzuki Sinambela	Waveform Classification for Seismic Spectral Analysis: A Case Study Banda Aceh Earthquak	https://www.youtube.com/watch?v=9d7u_BEIyr8
14.30 - 14.45	1570652944	Teguh Rahayu, Renhard Sipayung, Ayun Ria Ainun, Marzuki Sinambela, Kerista Tarigan	An Application of Power Spectral Density and Probability Density Function for Seismic Mini Region Stations Performance: Padang Lawas Earthquake	https://www.youtube.com/watch?v=uW7HzoM6YKw
14.45 - 15.00	1570612585	Darwin, Ronsen Purba, Muhammad Fermi Pasha	Search Query Clustering Comparison on E-Commerce Using K-Means And Adaptive Dbscan	https://www.youtube.com/watch?v=kSCTi7_Cb7g&t=17s

SESSION I - 6

Track : Information Systems & Technology
Session Chair : Fahimah Rahmadian
Co-Session Chair : Diarmansyah Batubara (081361171515)

TIME	ID PAPER	AUTHOR	ARTICLE TITLE	PRESENTATION VIDEO URL
13.00 - 13.15	1570645872	Sutrisno Arianto Pasaribu, Suyanto, Suherman	Expert System for Diagnosing Dental and Mouth Diseases with Website-Based Certainty Factor (CF) Method	https://www.youtube.com/watch?v=V7bVgoTg4wk
13.15 - 13.30	1570620026	Hasanul Fahmi, Adli A Nababan, Miftahul Jannah, Mufida Khairani, Yessi FA Lubis, Syahrul Fahri	Analysis of Certainty Factor Methods to Determine Skills in Generation Y	https://www.youtube.com/watch?v=R795ZvH3cNo&t=48s
13.30 - 13.45	1570616964	Andrian Syahputra	Design of Interactive Learning Media Based on the Problem Based Learning Model in Course Basic Physics in Potensi Utama University	
13.45- 14.00	1570624218	Ratih Puspadini, Herman Mawengkang, Syahril Efendi	Feature Selection On K-Nearest Neighbor Algorithm Using Similarity Measure	https://www.youtube.com/watch?v=3tHtn9mGB0c&feature=youtu.be
14.00 - 14.15	1570644378	Ryan Rinaldi Hadistio, Herman Mawengkang, Muhammad Zarlis	The Application of Random Forest Method on Predicting Customer Satisfaction in Airlines	https://www.youtube.com/watch?v=xPYa1aO4BM&feature=youtu.be
14.15 - 14.30	1570629427	Kartika Sari, Syahril Efendi, Sawaluddin Nasution, Nunsina	Combining the Active Learning Algorithm Based On the Silhouette Coefficient with the PCKmeans Algorithm	https://www.youtube.com/watch?v=VcS98BtTT44&feature=youtu.be
14.30 - 14.45	1570629973	Paet Rahmadani, Muhammad Zarlis, Syahril Efend	Population Initialization In Genetic Algorithm For Traveling Salesmen Problem Using Steepest Ascent Hill Climbing Algorithm	https://www.youtube.com/watch?v=QUc1Pbl7QVA&feature=youtu.be
14.45 - 15.00	1570634105	Fahimah Rahmadian, Dadang Gunawan	High Throughput Satellite for Indonesian Broadband Access: A Feasibility Study in PT. Telekomunikasi Indonesia	https://www.youtube.com/watch?v=20yRVK6gV54&feature=youtu.be



PARALLEL SESSION II

MECnIT 2020



SESSION II - 1

Track : Electrical Engineering
 Session Chair : Ratna Aisuwarya
 Co-Session Chair : Oloan Sihombing (081260091648)

TIME	ID PAPER	AUTHOR	ARTICLE TITLE	PRESENTATION VIDEO URL
15.15 - 15.30	1570618619	Maham Ali	EMG Based Control of a Quadcopter	
15.30 - 15.45	1570638318	Arsyad Cahya Subrata, Munawar Agus Riyadi, Teguh Prakoso	EEG-based BMI using Multi-Class Motor Imagery for Bionic Arm	https://www.youtube.com/watch?v=eownDz_gwkA&feature=youtu.be
15.45 - 16.00	1570624863	Ratna Aisuwarya	Smart Rice Cooker with PID Method to Warm Food using Android Application	https://www.youtube.com/watch?v=Ly5bEZqQ6s8&feature=youtu.be
16.00 - 16.15	1570651493	Maman Suryaman, Yuliarman Saragih, Agatha Elisabet S, Chia Chee Ming, Nguyen Thi Nhu Van, Abdul Aziz Hafeel	Tailoring The Certified of Electric Engineering for Power Plant: Development Training Model by Using 3D VR Simulator Modification for Professional Engineer Case Study of Universitas Singaperbangsa Karawang	
16.15 - 16.30	1570648777	Anta Wijaya, Yuliarman Saragih, Nguyen Thi Nhu Van	Yaiao Application Collecting Log File RF 4G Android-Based Replacing Data Cables To Laptop on Traditional RF Drive Test Models	
16.30 - 16.45	1570645818	Hartono, Frans Judea Samosir, Victor Trimanjaya Hulu, Santy Deasy Siregar, Apriliya Adha	The Effectiveness of Activated Carbon and PAC in Reducing Phosphate Levels in Laundry Liquid Waste	
16.45 - 17.00	1570634829	Yuliarman Saragih, Reza Dwiki Dermawan, Ulinuha Latifa, Chia Chee Ming, Agatha Elisabet	Smart Angklung 2 Octaf	
17.00 - 17.15	1570611393	Hairus Abdullah , Chiao-Chen Hsu, Noto Susanto Gultom, Dong-Hau Kuo	Synthesis and characterization of silica supported Co-doped (Zn,Ni)(O,S) nanocomposite for efficient hydrogen production	
17.15 – 17.30	1570619601	Widi Aribowo	Power Electric Consumption Monitoring Based on IOT	https://www.youtube.com/watch?v=4gzlvV0Z8AY&feature=youtu.be

SESSION II - 2

Track : Computer Science # 1
Session Chair : Cut Fadhilah
Co-Session Chair : Yonata Laia (081376746033)

TIME	ID PAPER	AUTHOR	ARTICLE TITLE	PRESENTATION VIDEO URL
15.15 - 15.30	1570615013	Gunawan Wang	Application of Location-Based Service and Geofencing in the Promotion or Event Request	
15.30 - 15.45	1570633911	Hendry, Jimmy	Decision Support System for Academic Administration Staff Achievement in STMIK IBBI using TOPSIS-HFLTS Method	https://www.youtube.com/watch?v=paJ3yUJM1tQ&feature=youtu.be
15.45 - 16.00	1570633921	Jimmy, Hendry	Decision Support System with the HFLTS Method in Student Achievement Selection	https://www.youtube.com/watch?v=Cys13oqrAgc&feature=youtu.be
16.00 - 16.15	1570648785	Olivia Monica Aprillia, Yuliarman, Nguyen Thi Nhu Va	RF 4G Network Performance Result Based on Android Drive Test Collection Tools Automatically Extracted by Yaiao Application at the Universitas Singaperbangsa Karawang Case Study	https://www.youtube.com/watch?v=8XY6Hjw2tik&feature=youtu.be
16.15 - 16.30	1570634040	Wulan Sri Lestari, Ronsen Purba, Arwin Halim, Apriyanto Halim	Privacy-Preserving Collaborative Deep Learning Using Verifiable Multi-Secret Sharing Scheme	
16.30 - 16.45	1570648757	Agatha Elisabet S , Yuliarman Saragih, Ibrahim Lammada, Anta Wijaya, Olivia Monica Aprillia , Nguyen Thi Nhu Van	Redesign of Application with Notification of 4G Drive Test Results Cellular Network Case Study Area Coverage of Universitas Singaperbangsa Karawang Based on Internet of Things (IoT)	
16.45 - 17.00	1570654684	Nunsina, Tulus, Zakarias Situmorang	Analysis Optimization Method K-Nearest Neighbor And Fuzzy Certainty Factor In Determining Student Careers	https://www.youtube.com/watch?v=k8oxHEF5tJQ&feature=youtu.be
17.00 - 17.15	1570654669	Cut Fadhilah, Syahril Efendi, Muhammad Zarlis, Teuku Azhari	Comparative Performance of Random Forest Algorithms and Discriminant Analysis in Classifications	https://www.youtube.com/watch?v=83OknmKXKQQ&feature=youtu.be

SESSION II - 3

Track : Computer Science # 2
Session Chair : Robin
Co-Session Chair : Saut Parsaoran Tamba (085270916661)

TIME	ID PAPER	AUTHOR	ARTICLE TITLE	PRESENTATION VIDEO URL
15.15 - 15.30	1570645558	Mardi Turnip, Reinhard Tumbur Mardongan Tua, Jeffry Limurty, Saut Dohot Siregar, Yonata Laia	Detection of Vehicle Maximum Speed with an Infrared Sensor Based on Raspberry Pi 3 b +	https://www.youtube.com/watch?v=EAOWTOXcels&feature=youtu.be
15.30 - 15.45	1570623734	Sumita Wardani	Hybrid of Support Vector Machine (SVM) Algorithm and K-Nearest Neighbor (KNN) Algorithm to Optimize The Diagnosis of Eye Disease	
15.45 - 16.00	1570631267	Yonata Laia, Arjon Turnip, Oloan Sihombing, Saut Parsaoran Tamba, Volvo Sihombing, Nimrot Siahaan, Robin	Android Based Optimization and Queue System at Passenger Vessel Services Crossings at Samosir Harbor	
16.00 - 16.15	1570638064	Christin Erniati Panjaitan	Utilisation Median Filter as Pre-Processing for Depth Map Compression	https://www.youtube.com/watch?v=kopT3QGZeeU
16.15 - 16.30	1570651740	Tajrin, M Diarmansyah Batubara, Delima Sitanggang	Decision Support System in Determining the Quality of Palm Oil Seeds Using Fuzzy Sugeno Algorithm	https://www.youtube.com/watch?v=3CQkYWa2Z48&feature=youtu.be
16.30 - 16.45	1570651947	Delima Sitanggang, Tajrin, Sri Wahyuni tarigan , Yonata Laia , Evta Indra, Oloan Sihombing	Design And Manufacture Of Control System Wind Fan Using Passive Infrared Receiver Arduino Mega 2650 Based On Android	
16.45 - 17.00	1570617282	Evta Indra	Attendance System Based On Face Recognition Feature Using Haar-Like Feature Method	

SESSION II - 4

Track : Computer Science # 3
Session Chair : Miftahul Jannah
Co-Session Chair : Evta Indra (085274705192)

TIME	ID PAPER	AUTHOR	ARTICLE TITLE	PRESENTATION VIDEO URL
15.15 - 15.30	1570619851	Fan Zhang	Study of UAV Application in Wireless Sensor Networks	https://www.youtube.com/watch?v=uV9NTXwyBRI&feature=youtu.be
15.30 - 15.45	1570624322	Nurhamidah Nasution	Analysis Of Accuracy Improvement In Random Forest Using	
15.45 - 16.00	1570628673	Ahmad Alzahrani	Short-term Irradiance Prediction Using Adaptive Extreme Learning Machine and Neural Network Based Particle Swarm Optimization	
16.00 - 16.15	1570629641	Muhammad Ayat Hidayat	Home Monitoring System with WhatsApp and Raspberry Pi 3	
16.15 - 16.30	1570631782	Dwi Ely Kurniawan	Attendance Management System Using Fingerprint Scanner in Central Network	
16.30 - 16.45	1570643980	Safrian Andromeda	Techno-economic Analysis from Implementing SD-WAN with 4G/LTE as a Redundant Connection for Automated Teller Machine Connectivity Service, A Case Study in XYZ Company in Indonesia	
16.45 - 17.00	1570646794	Nur Uddin	A LQR-Based States Feedback Control of Vehicle Active Suspension System	
17.00 - 17.15	1570634262	Miftahul Jannah	Analysis of Harfu Jar Detection System in Al-Quran Using Pierce Similarity Algorithm as a Basic Learning Media of Arabic Language	https://www.youtube.com/watch?v=j5XDhz2hDzM

SESSION II - 5

Track : Information Systems & Technology
Session Chair : Hasanul Fahmi
Co-Session Chair : Delima Sitanggang (081264238894)

TIME	ID PAPER	AUTHOR	ARTICLE TITLE	PRESENTATION VIDEO URL
15.15 - 15.30	1570633890	Johan, Johaness Terang Kita Perangin A	Benchmarking Application for Student Activity Unit (UKM) in STMIK IBBI with Data Envelopment Analysis (DEA) Method	https://www.youtube.com/watch?v=CJn6aKBIZW0&feature=youtu.be
15.30 - 15.45	1570633905	Johaness Terang Kita Perangin, Johan,	Face Recognition Application with the Complete Kernel Fisher Discriminant (CKFD) Method	https://www.youtube.com/watch?v=sMObVyziW6w&feature=youtu.be
15.45 - 16.00	1570633984	Jati Putra, Yuliana	Data Management System for Thesis Monitoring at STMIK IBBI Using B-Model	https://www.youtube.com/watch?v=ZCrK6FNUjA8&feature=youtu.be
16.00 - 16.15	1570651826	F F Turnip, T Suryana, A Turnip	Development of Online Ticket Booking Application For Ferry Crossing Website Based In Toba Lake Area	
16.15 - 16.30	1570619638	Anisa Ulya Darajat, Swadexi Istiqphara	Control of Two-Link Robot Manipulator with Uncertainty Parameter using Self-Tuning Sliding Mode Control	https://www.youtube.com/watch?v=Qgnn3l3nRxY
16.30 - 16.45	1570615002	Angela Shirley	Gamification Design with Scrum Software Development Framework	
16.45 - 17.00	1570619847	Swadexi istiqphara	Recognition of Human’s Gestures by using Simplified Fuzzy ARTMAP (SFAM) Neural Networks	

SESSION II - 6

Track : Industrial Technology
Session Chair : Solichul Huda
Co-Session Chair : Diarmansyah Batubara (081361171515)

TIME	ID PAPER	AUTHOR	ARTICLE TITLE	PRESENTATION VIDEO URL
15.15 - 15.30	1570639706	Imelda, I Nyoman Ehrich Lister, Edy Fachrial, Chrismis Novalinda Ginting, Sukirman Lie	An experiment of Virgin Coconut Oil Treatments for Burn Incidence on Rabbits	
15.30 - 15.45	1570639711	Mustika, Edy Fachrial, Ermi Girsang, I Nyoman Ehrich Lister	Effect of Virgin Coconut Oil Toward Antioxidant Endogen and Stress oxidative on Rats Induced Doxorubicin	https://www.youtube.com/watch?v=nn_oXe6c3kQ&feature=youtu.be
15.45 - 16.00	1570651741	Vanessa, Anita Christine Sembiring	Quality Improvement Of Chicken Eggs Through The Vaccine Schedule Using Database Program System	https://www.youtube.com/watch?v=UvWO89z3-Ww
16.00 - 16.15	1570595158	Safira Aini	Analysis of Critical Success Factors on ERP Implementation in PT. Toyota Astra Motor Using Extended Information System Success Model	
16.15 - 16.30	1570638368	Albert Daniel Saragih	The Hardness, Porosity, Shrinkage, and Microstructures of Spur Gear Fabricated by Iron Metal Powder	
16.30 - 16.40	1570645904	Albert Daniel Saragih	The Effect of Sintering Temperature on Mechanical Properties of Spur Gear Fabricated By Powder Metallurgy Process	
16.40 – 16.45	1570638353	Yohanssen Pratama	Detection Roasting Level of Coffee Beans in Roaster by Using an Euclidean Distance	
16.45 - 17.00	1570641267	Yohanssen Pratama	Presence System with Face Detection and Face Recognition	