

Schedule

Day	WEDNESDAY(July 14)	WEDNESDAY(July 21)	Day	THURSDAY(July 22)
7.30 AM		Registration	7.30 AM	Registration
8.30 AM		Opening Ceremony	8.00 AM	Technical Session 3 : Oral Presentation
09.00 AM	Rehearsal	Technical Session 1	09.30 AM	Technical Session 4 : Oral Presentation
10.30 AM		Technical Session 2	11.00 AM	3rd Keynote Speaker(Dr. Adhi Dharma Wibawa)
12.00 AM		Group photo session	11.50 AM	4th Keynote Speaker(Prof. Shiang-Hwua Yu)
12.10 PM		Lunch Break	12.40 PM	Group photo session
01.30 PM		1st Keynote Speaker (Prof. Wolfgang Bösch)	12.50 PM	Luch Break
02.20 PM		2nd Keynote Speaker (Dr. Danny Pudjianto)	01.30 PM	IEEE Student Branch(5th Keynote Speaker)
03.10 PM		Group photo session	04.00 PM	Group photo session

General Schedule, Day 1 Wednesday, 21 July 2021

Time	Agenda	Venue
07.30 - 08.30	Registration	ON LINE
08.30 - 09.00	Opening Ceremony: • Welcome speech and official opening	ZOOM MEETING
09.00 - 10.30	Technical Session 1 : Oral Presentation	ZOOM MEETING
10.30 – 12.00	Technical Session 2 : Oral Presentation	ZOOM MEETING
12.00 - 12.10	Group photo session	ZOOM MEETING
12.10 - 13.30	Lunch Break	ZOOM MEETING

13.30 - 14.20	1 st Keynote Speaker (Prof. Wolfgang Bösch)	ZOOM MEETING
14.20 - 15.10	2 nd Keynote Speaker (Dr. Danny Pudjianto)	ZOOM MEETING
15.10 - 15.20	Group photo session	ZOOM MEETING

General Schedule, Day 2
Thursday, 22 July 2021

Time	Agenda	Venue
07.30 - 08.00	Registration	ON LINE
08.00 - 09.30	Technical Session 3 : Oral Presentation	ZOOM MEETING
09.30 - 11.00	Technical Session 4 : Oral Presentation	ZOOM MEETING
11.00 - 11.50	3 rd Keynote Speaker(Dr. Adhi Dharma Wibawa)	ZOOM MEETING
11.50 - 12.40	4 th Keynote Speaker(Prof. Shiang-Hwua Yu)	ZOOM MEETING
12..40 - 12.50	Group photo session	ZOOM MEETING
12.50 - 13.30	Break	ZOOM MEETING
13.30 – 16.00	IEEE Student Branch(5 th Keynote Speaker)(Dr. Muhamad Risqi Utama Saputra)	ZOOM MEETING
16.00 - 16.10	Group photo session	ZOOM MEETING

Room and Track

paper ID	Room Code	Title	Authors
1570703219	S101	Medical Images Compression and Encryption Using DCT, Arithmetic Encoding and Chaos-Based Encryption	Tiffany Maliati Khumairoh Afandi; Dion Fandiantoro; E Endroyono; I Ketut Eddy Purnama
1570703220	B101	Recent Development in DGA Diagnosis Using Graphical Analysis Method	Putu Raditya; I Made Yulistya Negara; Dimas Anton Asfani
1570703529	B102	Design of EV Hardware-In-The-Loop Simulator of Battery and Supercapacitor Hybrid Storage System	La Ode Muhamad Fathur Rachim; Vita Lystianingrum; Dedet Riawan; Irwandi Gunanda
1570704995	J101	Effect of CT-Scan Image Resizing, Enhancement and Normalization on Accuracy of Covid-19 Detection	Nurdina Gita Pratiwi; Yumna Nabila; Rian Fiqraini; Agung W. Setiawan

1570705099	S102	Spectral Efficiency of MU-Massive MIMO System for Perfect and Imperfect CSI Condition	Ika Rohmatul Aini; Puji Handayani
1570705817	J102	CNN-Based Autoencoder Application in Breast Cancer Image Retrieval	Agus Eko Minarno; Kharisma Muzaki Ghufron; Trifebi Shina Sabrila; Lailatul Husniah; Fauzi Dwi Setiawan Sumadi
1570708228	B103	Study of the Utilization of Local Renewable Energy Potential in Sebotok, West Nusa Tenggara	Mujammil Asdhiyoga Rahmanta; Faris Aditama; Prasetyo Adi Wibowo
1570709850	B104	MPPT of 1.5 kW Wind Turbine With Pitch and Voltage Control Based on Artificial Neural Network	Feby Agung Pamuji; Muhammad U 'Azmi; Dedet Riawan
1570710088	SS101	PI and PI Antiwindup Speed Control of Switched Reluctance Motor (SRM)	Diky Zakaria; Hilwadi Hindersah; Arief Syaichu-Rohman; Ade Abdullah
1570711460	B201	Online OPF Using Combined MOGA-ETS to Minimize Losses and Extend Battery Lifetime in Micro-Grid	Primaditya Sulistijono; Adi Soeprijanto; Dedet Riawan
1570711980	J201	Network Traffic Prediction of Mobile Backhaul Capacity Using ANN and FARIMA Model	Giovanni Abel Christian; Ihsan Pandu Wijaya; Riri Fitri Sari
1570712140	B202	Integration of DFIG-Based Variable Speed Wind Turbine Into Load Flow Analysis	Rudy Gianto
1570712263	J202	Analysis of EEG-Based Stroke Severity Groups Clustering Using K-Means	MY Teguh Sulistyono; Evi Septiana Pane; Adhi D Wibawa; Mauridhi Hery Purnomo
1570712418	J103	Web Caching Strategy Optimization Based on Ant Colony Optimization and Genetic Algorithm	Mulki Indana Zulfa; Rudy Hartanto; Adhistya Permanasari; Waleed Ali
1570712983	S103	A Data Chaining on Relational Database: A Case Study in Indonesian Genomics Information System	I Gede Eka Sulistyawan; Achmad Arifin; Muhammad Hilman Fatoni
1570713006	J104	Evaluating Extractive Summarization Techniques on News Articles	Sreeya R. K. Harinatha; Beauty T. Tasara; Nunung Nurul Qomariyah
1570713146	S104	Multimodal Biometric System Based on Feature Source Compaction and the Proposed VCG Feature	Mulyanto Mulyanto; Bayu Firmanto; Bedi Suprpty; Achmad Gaffar; Arief Putra, ABWP

1570713229	B105	PV Grid Inverter Dynamics on Load Active and Reactive Power Demand for Weak Grid Stability	Shaka Kargbo; Hermawan Hermawan; Susatyo Handoko; Iwan Setiawan; Trias Andromeda
1570713348	J105	Technology Trend of Traffic Density Prediction - A Systematic Literature Review	Nabila Rahmi Maulida; Kusprasapta Mutijarsa
1570713472	S105	Two Level Prediction Error and Three Direction Shifting for Hiding Data in Digital Video	Alek Nur Fatman; Tohari Ahmad
1570713501	J203	Traffic Density Classification Using Multilayer Perceptron and Random Forest Method	Nabila Rahmi Maulida; Kusprasapta Mutijarsa
1570713605	SS102	Multibody Dynamics Modeling and Control of Wheelchair Balancing System	Sokmengkeang Doung; Unggul Wasiwitono
1570713683	S201	Audio-Based Data Hiding Using All-In Modulo of Difference	Ilyas Bintang Prayogi; Tohari Ahmad
1570713693	SS103	Modeling and Control of Inertia Wheel Pendulum System With LQR and PID Control	Alfiana Nur Hidayati; Unggul Wasiwitono
1570713717	J204	Traffic Lights and Traffic Signs Detection System Using Modified You Only Look Once	Alvin Abraham; Avian Lukman Setya Budi; Djoko Purwanto; Hendra Kusuma
1570714050	B203	H-Infinity Controller Design of Two-Wheeled Mobile Robot Under Disturbance	Muhamad Rausyan Fikri; Djati Wibowo Djamari; Steven Mark Levy
1570714089	B204	Battery Energy Storage System as Frequency Control at Substation Based on Defense Scheme Mechanism	Zainal Arifin; Aditya Firmanto
1570714104	B205	Green IT as the Basic of Renewable Energy Industry in Facing Competitive Advantage	Doni Purnama Alamsyah; Norfaridatul Akmaliah Othman; Nina Kurnia Hikmawati; Rudy Aryanto; Indriana Indriana; Satrio Matin Utomo
1570714424	B301	Implementation of Charging Equalizer With Master-Slave Method on Lithium-Ion Batteries	Heri Suryoatmojo; Ahmad Firyal Adila; Feby Agung Pamuji; Dedet Riawan; Ronny Mardiyanto; Miftahul Arifin
1570714437	B302	FLI for Unbalanced and Harmonic Current Mitigation in Rooftop Solar Connected Distribution Network	Dedy Kurnia Setiawan; Mochamad Ashari; Heri Suryoatmojo

1570714464	B303	An Improving Efficiency MPPT in PV Systems With a Modified Voltage Regulator	Widjonarko Widjonarko; Saiful Bukhori; Arzoga Putra Pratama
1570714522	S202	Eyeball Movement Detection Using Sector Division Approach and Extreme Learning Machine	Fitra A. Bachtiar; Gusti Pangestu; Fajar Pradana; Issa Arwani; Dahniel Syauqy
1570714555	B304	Energy Output Simulation of the Floating PV System at Karangates Hydropower Dam	Elieser Tarigan
1570714572	S203	Analyze the Datasets of Software Effort Estimation With Particle Swarm Optimization	Ahmad Setiadi; Wahyutama Fitri Hidayat; Ahmad Sinnun; Ade Setiawan; Muhammad Faisal; Doni Purnama Alamsyah
1570714587	SS104	Optimized DOCR by Considering Generator Scheme and Differential Configuration on Ring System	Imam Suri Tauladan; Vincentius Raki Mahindara; Margo Pujiantara; Ardyono Priyadi
1570714721	J302	Data Space Transformation Using Polar-Based Cartesian and Image Filtering for Rainfall Clustering	Rheo Malani; Bedi Suprpty; Agusma Wajiansyah; Anggri Wiguna
1570714786	SS105	Driver for LED Lamp With Buck Converter Controlled by PID	Widjonarko Widjonarko; Gamma Aditya Rahardi; Cries Avian; Widyono Hadi; Dedy Wahyu Herdiyanto; Panji Langgeng Satrio
1570714974	SS201	Design of Digitalization Instrumentation "UTM 200 Ton" Based on Kalman Filter and Average Moving	Andrew Prasetyo; Ardik Wijayanto; Legowo Sulistijono; Slamet Budiprayitno
1570715073	S204	LORAPAI: LoRa Routing Protocol for an Agricultural Irrigation System	Arief Kurniawan; Dewinda Julianensi Rumala; I Ketut Pumama; Habib Al-Hakim
1570715146	S205	Robustness of Convolutional Neural Network in Classifying Apple Images	Dzalfa Tsalsabila Rhamadiyanti; Suyanto Suyanto
1570715225	B305	Multi Source Partial Discharge Detection Analysis Using Antenna in Oil Insulation	I Made Yulistya Negara; Dimas Anton Asfani; I Gusti Ngurah Satriyadi; Daniar Fahmi; Addien Wicaksono; V. Ryan Wijanarko
1570715294	SS202	ICT and Consumer Behavior: A Study of Students' Self-Perceived Digital	Norfaridatul Akmaliah Othman; Doni Purnama Alamsyah; Indriana Indriana; Mira Rustine; Rudy Aryanto; Irma Setyawati
1570716169	SS203	Implementation of Fuzzy Logic on Fire Fighting Robots	Budi Kustamtomo; Aris Triwiyatno; Munawar A Riyadi

1570717076	J303	Prediction of Ammonia Contamination Levels in Wastewater Management Plants Using the SVM Method	Lukman Lukman; Andani Achmad; Syafruddin Syarif
1570717104	SS204	Implementation of Light Detection and Ranging in Vehicle Braking System	Muhammad Rivai; Djoko Purwanto; Arsyah Razak; Dony Hutabarat; Dava Aulia
1570717299	S301	Identification of Parking Lot Status Using Circle Blob Detection	Mohammad Nasrul Mubin; Hendra Kusuma; Muhammad Rivai
1570717621	J304	Robotic Hand Exoskeleton With Tactile Feedback for Post-Stroke Spasticity Rehabilitation	Hanan Yumna; Achmad Arifin; Atar Fuady Babgei
1570717666	J305	MIMO-FLC for Hybrid of Exoskeleton of FES for Post-Stroke Rehabilitation of Hemiparetic Patients	Danar Agnanto; Achmad Arifin; Atar Fuady Babgei
1570717702	J401	A New Approach for Hot Spot Solar Cell Detection Based on Multi-Level Otsu Algorithm	Andi Najiah Nurul Afifah; Indrabayu A; Ansar Suyuti; Syafaruddin Syafaruddin
1570717708	SS205	Contribution of Virtual Reality Technology to Increase Student Interest in Vocational High Schools	Fairuz Maulana; Gusti Pangestu; Albert Verasius Sano; Agung Purnomo; Sandi Rahmadika; Vandha Widartha
1570717757	B401	BLDC Performance Analysis Due to Stator Winding Unbalance	Dimas Anton Asfani; I Made Yulistya Negara; I Gusti Ngurah Satriyadi; Daniar Fahmi; Michael Sihombing; Putu Mira Tazia Dewi
1570717763	B402	Low Voltage Series Arc Modelling Based on Neural Network Considering Harmonics Load Current	Dimas Anton Asfani; I Made Yulistya Negara; I Gusti Ngurah Satriyadi; Daniar Fahmi; Shafirah Khairina Budiawan; Reynaldi Syahril
1570717876	B403	Potential of the Diponegoro Education Reservoir as a Research Place for Floating Photovoltaic	Karnoto Karnoto; Hermawan Hermawan; Trias Andromeda; Pangestuningtyas Diah Larasati
1570717965	SS301	The Implementation of DBLC Design Model for Orbital Database System	Yoga Andrian; Siti Kurniawati Fatimah; La Ode Muhammad Musafar; Rhorom Priyatikanto
1570718026	J402	Rice Grain Habitat Identification System Using Convolution Neural Network on Hyperspectral Imaging	Adhi Harmoko Saputro; Zhorif Akram
1570718046	B404	Design of Wind Turbines Power Coefficient on Wind	Dwiana Hendrawati; Jafar Mukhlis; Ampala Khoryanton;

		Farm Based Centralized Control	Sahid Sahid; Brainvendra Widi Dionova
1570718096	S302	Compression-Encryption Model for Digital Images Based on GAN and Logistic Map	Mulkiah Mulkiah; Suprpto Suprpto; Anny Kartika Sari
1570718121	J403	Brain Controlled Lego NXT Mindstorms 2.0 Platform	Sebastian Rosca; Monica Leba; Remus Sibisanu; Fabian Panaite
1570718127	SS302	Detection of Kinship Through Microexpression Using Colour Features and Extreme Learning Machine	Ike Fibiriani; Ronny Mardiyanto; Mauridhi Hery Purnomo
1570718151	S304	Violence Classification Using Support Vector Machine and Deep Transfer Learning Feature Extraction	K Karisma; Elly Imah; Atik Wintarti
1570718163	J404	Color Retinal Image Enhancement Using Exposure Fusion Framework	Agung W. Setiawan
1570718186	B405	Real-Time Monitoring of Dual-Axis PV System Based on Internet of Things	Aji Akbar Firdaus; Machrus Ali; Riky Tri Yunardi; Dimas Fajar Uman Putra; Novian Patria Uman Putra
1570718214	SS305	Development of Obstacle Detection Based on Region Convolutional Neural Network for Autonomous Car	Khairunnisa Nurhandayani; Djoko Purwanto; Ronny Mardiyanto
1570718224	SS401	Vacuum Cleaner Robot With Staircase Cleaning Feature and Boustrophedon Path Planning	Gregorius Gery Gavindra; Hendra Kusuma; Tasripan Tasripan
1570718227	SS303	Lane Detection Using Edge Detection and Spatio-Temporal Incremental Clustering	Sayyidul Aulia Alamsyah; Djoko Purwanto; Muhammad Attamimi
1570718311	B406	Optimization PI Using ACO for Control Energy System Photovoltaic Battery and Supercapacitor	Dwi Ajiatmo
1570718325	S305	Improvement of Quality and Signal Coverage LTE in Bali Province Using Drive Test Method	Lukman Silalahi; Setiyo Budiyo; Freddy Artadima Silaban; Imelda Simanjuntak; Agus Dendi Rochendi
1570718329	S401	Internet Based Remote Laboratory Architecture for 3-Phase Induction Motor Control System Experiment	Ade Kurniawan; Ahmad Hakiki; Kevin Banjarnahor; Mohamad Abdul Hady; Ari Santoso; Ali Fatoni

1570718332	S402	Delivery Data Digital HF Radio Wave Using Advanced Encryption Standard Security Mechanism	Setiyo Budiyanto; Lukman Silalahi; Freddy Artadima Silaban; Rachmat Muwardi; Hongmin Gao
1570718344	SS402	Development of a Low-Cost System for Liquid Clustering Using a Spectrophotometry Technique	Andres Javier Duarte Ariza; Totok Mujiono; Tri Sardjono
1570718457	SS403	Impact of Aligning Saliency Maps on COVID-19 Disease Detection Using Chest X-Ray Images	Ardimas Andi Purwita; Nunung Nurul Qomariyah
1570718490	S403	New Design Rules to Improve Helical Antenna Performance	Omar Abu Ella
1570719718	S404	Early Warning Pedestrian Crossing Intention From Its Head Gesture Using Head Pose Estimation	Muhammad Ilham Perdana; Wiwik Anggraeni; Hanugra Sidharta; Eko Mulyanto Yuniarno; Mauridhi Hery Purnomo
1570719719	J405	N-Gram-Based Feature Extraction to Classify Opinion of SFH During the COVID-19 Pandemic Using LSTM	Feby Artwodini Muqtadiroh; Diana Purwitasari; Eko Mulyanto Yuniarno; Mauridhi Purnomo
1570719721	S405	Low Cost Analog Video Transmission Security of Unmanned Aerial Vehicle (UAV) Based on LFSR	Ronny Mardiyanto; Heri Suryoatmojo
1570719734	SS404	Pedestrian Crossing Decision Prediction Based on Behavioral Feature Using Deep Learning	Hanugra Sidharta; Eko Mulyanto Yuniarno; Mauridhi Hery Purnomo; Berlian Al Kindhi
1570719809	SS405	Optimization Learning Approaches in Predicting Facebook Metrics From User Posts Behavior	Yuliazmi Yuliazmi; Diana Purwitasari; Surya Sumpeno; Mauridhi Purnomo

Technical Session 1 (July 21st, 2021)				
Rooms and track				
Time	Sumatra	Jawa	Bali	Sulawesi
	IT,SP, TN, CS, AI	BE, RA, AI	HV, PE, CS	SI, CE, ED, CS, IT, RA, AI
09.00-09.15	S101	J101	B101	SS101
09.15-09.30	S102	J102	B102	SS102
09.30-09.45	S103	J103	B103	SS103
09.45-10.00	S104	J104	B104	SS104
10.00-10.15	S105	J105	B105	SS105
Technical Session 2 (July 21st, 2021)				
Rooms and track				
Time	Sumatra	Jawa	Bali	Sulawesi
	IT,SP, TN, CS, AI	BE, RA, AI	HV, PE, CS	SI, CE, ED, CS, IT, RA, AI
10.30-10.45	S201	J201	B201	SS201
10.45-11.00	S202	J202	B202	SS202
11.15-11.30	S203	J203	B203	SS203
11.30-11.45	S204	J204	B204	SS204
11.45-12.00	S205		B205	SS205
Technical Session 3 (July 22nd, 2021)				
Rooms and track				
Time	Sumatra	Jawa	Bali	Sulawesi
	IT,SP, TN, CS, AI	BE, RA, AI	HV, PE, CS	SI, CE, ED, CS, IT, RA, AI
08.00-08.15	S301	J302	B301	SS301
08.15-08.30	S302	J303	B302	SS302
08.30-08.45	S304	J304	B303	SS303
08.45-09.00	S305	J305	B304	SS305
09.00-09.15			B305	
Technical Session 4 (July 22nd, 2021)				
Rooms and track				

Time	Sumatra	Jawa	Bali	Sulawesi
	IT,SP, TN, CS, AI	BE, RA, AI	HV, PE, CS	SI, CE, ED, CS, IT, RA, AI
09.30-0945	S401	J401	B401	SS401
09.45-10.00	S402	J402	B402	SS402
10.00-10.15	S403	J403	B403	SS403
10.15-10.30	S404	J404	B404	SS404
10.30-10.45	S405	J405	B405	SS405
10.45-11.00			B406	

Code		Code	
AI	AI & Machine Learning Applications	IT	Information Technology
BE	Biomedical Engineering	PE	Power and Energy Systems
CE	Computer Engineering	RA	Robotics and Automation
CS	Control Systems	SI	Sensors and Instrumentation
ED	Electrical Engineering and IT Education	SP	Signal and Image Processing
HV	High Voltage Engineering	TN	Telecommunications and Networking