

2022 INTERNATIONAL CONFERENCE ON ELECTRICAL ENGINEERING AND INFORMATICS (ICELTICS)

UNIVERSITAS SYIAH KUALA

in conjunction with

KONFERENSI BIG DATA INDONESIA

Banda Aceh - Jakarta, Indonesia, September 27-28, 2022

Theme: "Empowering Data Science and Artificial Intelligence for Enriching Smart Societies"

Day 1 (27 September 2022)

TIME (GMT +7)	PROGRAM DESCRIPTION		DETAIL SCHEDULE	PIC	ROOM		
08.00-08.45	PREPARATION		Registration and Joining to Virtual Room	Commitee	Zoom Nusantara		
08.45-08.50	OPENING CEREMONY		Qur'an recitation / Prayer	Dr.rer.nat. Ilham Maulana., S.Si			
08.50-09.00			Profile of Universitas Syiah Kuala	Commitee			
09.00-09.05			Singing the National Anthem of Indonesia "Indonesia Raya"	MC/KBI			
09.05-09.07			Opening Video	KBI			
09.07-09.10			Opening by MC	MC			
09.10-09.20			Welcoming Remark by the General Chair	Dr. Muzailin, S.Si, M.Sc			
09.20-09.30			Welcoming Remark by the IEEE Indonesia Section	Dr.-Ing. Wahyudi Hasbi, S.Si, M.Kom			
09.30-09.40			Welcoming Remark by the Rector of Universitas Syiah Kuala	Prof. Dr. Ir. Marwan			
09.40-09.50			Photo session and Break				
09.50-10.35			PLENARY SESSION			Keynote Speaker 1: Prof. Marcello Bonsangue	Prof. Dr. Taufik Fuadi Abidin, S.Si., M.Tech
	Appreciation remarks and souvenir to KS1	Prof. Dr. Teuku Mohamad Iqbalsyah, S.Si, M.Sc.					
10.35-11.20	Keynote Speaker 2: Prof. Koji Nakao	Dr. Nizamuddin, M.Info.Sc					
	Appreciation remarks and souvenir to KS2	Dr. Muzailin, S.Si, M.Sc					
11.20-12.05	KBI Webinar	KBI Webinar: - Deni Yulian (Labs247)	KBI Moderator				
12.05-13.30	Lunch Break						
13.30-15.00	KBI Webinar	PARALLEL SESSION ICELTICS	Parallel Session 1.1	Dalila Husna Yunardi, B.Sc., M.Sc	Zoom Aceh 1		
			Parallel Session 1.2	Vera Halfiani, S.Si., M.Mat	Zoom Aceh 2		
			Parallel Session 1.3	Izzan Nur Adlam, S.T., M.Eng	Zoom Aceh 3		
			KBI Webinar - Dr. Budi Rahardjo (ITB) - Dr. Anto Satriyo Nugroho (BRIN)	KBI Moderator	Zoom KBI		
15.00	Closing Day 1			Commitee			

Day 2 (28 September 2022)

TIME (GMT +7)	PROGRAM DESCRIPTION		DETAIL SCHEDULE	PIC	ROOM
09.00-09.05	Welcoming by MC				
09.05-09.50	PLENARY SESSION		Keynote Speaker 3: Prof. Dr. Eng. Wisnu Jatmiko, S.T., M.Kom	Dr. Zurnila Marli Kesuma., S.Si., M.Si	Zoom Nusantara
			Appreciation remarks and souvenir to KS3	Dr. Muhammad Subianto, S.Si, M.Si	
09.50-12.05	KBI Webinar	PARALLEL SESSION ICELTICs	Parallel Session 2.1	Ardiansyah, BSEE.,M.Sc	Zoom Aceh 1
			Parallel Session 2.2	Muslim, M.InfoTech	Zoom Aceh 2
			Parallel Session 2.3	Fitriana AR, S.Si., M.Si	Zoom Aceh 3
			KBI Webinar - Panji Winata (Head of Analytics PT. Tokopedia) - Dios Kurniawan (VP Data Governance & Tech Compliance - Telkomsel) - Beno K Pradekso (CEO Solusi247)	KBI Moderator	Zoom KBI
12.05-13.30	Lunch Break				
13.30-15.10	KBI Webinar		KBI Webinar - Prof. Setia Pramana (Badan Pusat Statistik) - Muhammad Maliqi Akbar (Cloud Solution Architect Data & AI - Microsoft Indonesia) - Ismail Fahmi, Ph.D (Founder Drone Emprit and Media Kernels Indonesia)	KBI Moderator	Zoom KBI
15.10-15.40	KBI/ICELTICs		KBI Award Announcement	KBI MC	Zoom Nusantara
			ICELTICs 2022 Best Paper Award Announcement	ICELTICs MC	
			ICELTICs 2022 Best Presenter Award Announcement		
			Closing Remark from USK		
			Closing by MC		
15.40	Closing Day 2			Committee	



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PARALLEL SESSION

Parallel Session 1.1

Day/Date : Tuesday, September 27th, 2022

Room : Zoom Aceh 1

Moderator : Dalila Husna Yunardi, B.Sc., M.Sc.

TIME (GMT +7)	Paper ID	Paper Title
13.30-15.30	1570826928	A Comparison of Six Convolutional Neural Networks for Weapon Categorization
	1570827127	Analysis of Computer Vision Implementation to Control Computer Through Hand Gesture Recognition
	1570827695	Machine Learning-Based Optimized Link State Routing Protocol for D2D Communication in 5G/B5G
	1570828117	Application of Fuzzy Support Vector Regression to Predict the Kovats Retention Indices of Flavors and Fragrances
	1570838312	Spatial Analysis of the Spread of Tuberculosis Cases Based on Socio-Economic Factors Using Distance-Based Algorithm
	1570840031	Rainfall Estimation Using Machine Learning Approaches With Rain Gauge, Radar, and Satellite Data

Parallel Session 1.2

Day/Date : Tuesday, September 27th, 2022

Room : Zoom Aceh 2

Moderator : Vera Halfiani, S.Si., M.Mat

TIME (GMT +7)	Paper ID	Paper Title
13.30-15.30	1570840502	Performance Comparison of Hybrid CNN-XGBoost and CNN-LightGBM Methods in Pneumonia Detection
	1570840650	Mapping Linux Shell Commands to MITRE ATT&CK Using NLP-Based Approach
	1570840751	Patient Full Control Over Secured Medical Records Transfer Framework Based on Blockchain
	1570841689	HyperStyle-Based Data Augmentation for Improving the Performance of Face Recognition Model
	1570841717	Robustness Measurement of Features Using Various Machine Learning Methods

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PARALLEL SESSION

Parallel Session 1.3

Day/Date : Tuesday, September 27th, 2022

Room : Zoom Aceh 3

Moderator : Izzan Nur Adlam, S.T., M.Eng

TIME (GMT +7)	Paper ID	Paper Title
13.30-15.30	1570821340	Omnichannel Architecture Enterprise Modeling on the Core Processes of the Culinary Industry Using the TOGAF Architecture Development Method (ADM)
	1570827420	Leaf Segmentation Based on Thresholding Techniques Using Visible, Infrared, and Thermal Cameras
	1570828181	Temporal Forecasting System of Potential Catching Areas of Skipjack Tuna in Bone Sea Using Artificial Neural Network
	1570833956	Active Tampering Detection for Image Authentication Using Hadamard Tracing
	1570839886	Evaluation of EIRLYS's E-Commerce Website in User Experience Perspective Using User Experience Questionnaire (UEQ)
	1570840132	Design and Development of Object Detection System in Augmented Reality Based Indoor Navigation Application (Case Study: Faculty of Mathematics and Sciences Building, Syiah Kuala University)

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PARALLEL SESSION

Parallel Session 2.1

Day/Date : Wednesday, September 28th, 2022

Room : Zoom Aceh 1

Moderator : Ardiansyah, BSEE.,M.Sc

TIME (GMT +7)	Paper ID	Paper Title
10.00-12.00	1570840144	Remote Sensing Image Simulation for Water Coverage Monitoring Using Landsat and AHI Imageries
	1570840398	Monitoring System 4.0 on Horticultural Plantation Land Based on the Internet of Things
	1570840407	Design and Development of CAMPLI Device Control and Supervision (Internet of Things Based Chilli Cultivation System)
	1570841488	Exam Question Recommendation System Based on the Inclusion-Based TOPSIS Method With Interval-Valued Intuitionistic Hesitant Fuzzy
	1570828844	The Investigation of Carrier Aggregation in LTE Advanced System Using Systematic Literature Review Approach
	1570841168	Cognitive Radio Based NOMA for the Next Generations of Wireless Communications

Parallel Session 2.2

Day/Date : Wednesday, September 28th, 2022

Room : Zoom Aceh 2

Moderator : Muslim, M.InfoTech

TIME (GMT +7)	Paper ID	Paper Title
10.00-12.00	1570828686	Eight Golden Rules Interface Analysis for Video Conference Information System
	1570840223	Open Government Data as a Digital Infrastructure for Public Information Services: A Case Study of the City of Denpasar
	1570840649	Utilization of GIS Machine Learning for Mapping of Building Shapes in Tibang Village, Banda Aceh City, Aceh, Indonesia
	1570840920	LINE Chatbot for Covid-19 Wellness Support Using Sentence Similarity Measurement
	1570822152	Design and Hardware Realization of 32-Bit Multipliers Based on FPGAs

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PARALLEL SESSION

Parallel Session 2.3

Day/Date : Wednesday, September 28th, 2022

Room : Zoom Aceh 3

Moderator : Fitriana AR, S.Si., M.Si

TIME (GMT +7)	Paper ID	Paper Title
10.00-12.00	1570828719	The Effect of Quality of Service on the Implementation of Trajectory Hard Handover on Mobile Cellular
	1570840240	Comparison Analysis of Virtual Inertia Control Methods for Smoothing Power Production of Grid Connected Wind Farm on a Power System
	1570840584	Design of Unipolar Inverter Simulation of on Grid Mode With Current Control Method
	1570840746	Analysis of the Effect of Capacitors on the Voltage Generated by a 3-Phase Induction Generator
	1570840938	Performance of Elliptic Filter on Multi-Spectral Signal Based on Divided Zone
	1570841106	Optimizing the Placement and Capacity of Distributed Generation (DG) on the Krueng Raya Feeder in Banda Aceh Distribution System to Increase Power Flow Using Genetic Algorithm Method