

## ICICyTA 2021 Event Schedule (1 - 2 December 2021)

<b>Day 1 - December 1st 2021 (GMT+7)</b>			
<b>Time (Western Indonesia Time)</b>			<b>Event</b>
<b>Start</b>	<b>End</b>	<b>Duration (hour:min)</b>	
8:15 AM	8:30 AM	0:15	Preparation
8:30 AM	8:40 AM	0:10	Opening
8:40 AM	8:50 AM	0:10	Speech by General Chair Representation Dr. Satria Mandala (Telkom University)
8:50 AM	9:00 AM	0:10	Speech by IEEE IS Representative Dr. Wahyudi Hasbi
9:00 AM	9:10 AM	0:10	Opening Speech Dr. Rina Pudji Astuti (Vice Rector of Telkom University )
9:10 AM	9:15 AM	0:05	Photo Session
9:15 AM	10:15 AM	1:00	Keynote Speech #1 Prof. Minho Jo (Korea University, South Korea) Topic: "Blockchain for Big Data Analytics" Moderator: Rio Guntur Utomo
10:15 AM	12:15 PM	2:00	Paralel Session #1
12:15 PM	1:15 PM	1:00	Break
1:15 PM	1:20 PM	0:05	Opening Keynote Session #2
1:20 PM	2:20 PM	1:00	Keynote Speech #2 Assoc. Prof. Dr. techn. Wikan Danar Sunindyo, S.T., M.Sc. (Bandung Institute of Technology, Indonesia) Topic: "Industry 4.0 Readiness Analysis for Shipping Agencies in Indonesia" Moderator: Ade Romadhony
2:20 PM	2:30 PM	0:10	Opening Keynote Session #3
2:30 PM	3:30 PM	1:00	Keynote Speech #3 Assoc. Prof. Dr. Achmad Rizal (Telkom University, Indonesia) Topic: "Multiscale signal complexity analysis for biomedical signal classification" Moderator: Husneni Mukhtar
3:30 PM	3:35 PM	0:05	Closing Day 1
<b>Day 2 - December 2nd 2021 (GMT+7)</b>			
<b>Time (Western Indonesia Time)</b>			<b>Event</b>
<b>Start</b>	<b>End</b>	<b>Duration (hour:min)</b>	
9:00 AM	9:05 AM	0:05	Opening 2nd Day
9:05 AM	10:05 AM	1:00	Keynote Speech #4 Prof. Ko Li Wei (Chiao Tung University, Taiwan) Topic: Moderator: Tang Tong Boon
10:05 AM	12:05 PM	2:00	Paralel Session #2
12:05 PM	1:05 PM	1:00	Break
1:05 PM	1:10 PM	0:05	Opening Keynote Session #5
1:10 PM	2:10 PM	1:00	Keynote Speech #5 Assoc. Prof. A. Rahim Othman (Universiti Teknologi Petronas, Malaysia) Topic: "Challenges in adopting IR 4.0 for mechanical equipment in Petrochemical Plants" Moderator: Hilal Huda Nuha
2:10 PM	2:20 PM	0:10	Closing Speech
2:20 PM	2:30 PM	0:10	Awards Ceremony and Closing

**PARALLEL SESSIONS SCHEDULE**  
**International Conference on Intelligent Cybernetics Technology & Applications 2021 (ICiCyTA)**

**1st day - 1 Dec 2021 (10.15 - 12.15) - GMT+7**

Session 1A				
Moderator:			Topic: Computational Intelligence & Cybernetics	
Start	Ends	Duration (min)	Title	Authors
10.15	10.35	20	Comparison of Windowing Function on Feature Extraction using MFCC for Speaker Identification	Muhammad Raafi'u Firmansyah (Gadjah Mada University, Indonesia); Risanuri Hidayat (Gadjah Mada University (UGM), Indonesia); Agus Bejo (Universitas Gadjah Mada, Indonesia)
10.35	10.55	20	Fuzzy Local Binary Pattern and Weber Local Descriptor for Facial Emotion Classification	Ledy Novamizanti and Maulin Nasari (Telkom University, Indonesia)
10.55	11.15	20	Hotspot Classification for Forest Fire Prediction using C5.0 Algorithm	Andi Nurkholis, Styawati Styawati, Debby Alita, Adi Sucipto, Muchammad Chanafy and Zahrina Amalia (Universitas Teknokrat Indonesia, Indonesia)
11.15	11.35	20	Classification of ASD Subtypes Based on Coherence Features of BOLD Resting-state fMRI Signals	Mohammed Isam Al-Hiyali (Universiti Teknologi Petronas & Centre for Intelligent Signal and Imaging Research-CISIR, Malaysia); Norashikin Yahya (Universiti Teknologi Petronas & CISIR, Malaysia); Ibrahim Faye (UTP, Malaysia); Abdulhakim Abdullah Al-Ezzi (Universiti Teknologi PETRONAS, Malaysia)
11.35	11.55	20	Towards Development of Visual-Range Sea State Image Dataset for Deep Learning Models	Muhammad Umair (Universiti Teknologi PETRONAS & High-Performance Cloud Computing Center (HPC3), Malaysia); Manzoor Ahmed Hashmani (Universiti Teknologi PETRONAS, Malaysia)
11.55	12.15	20	Indonesian Sign Language Fingerspelling Recognition using Vision-based Machine Learning	Nurrahma Nurrahma, Rahadian Yusuf and Ary Setijadi Prihatmanto (Institut Teknologi Bandung, Indonesia)

**1st day - 1 Dec 2021 (10.15 - 12.15) - GMT+7**

Session 1B				
Moderator:			Topic: Cybernetics & Biomedical Engineering	
Start	Ends	Duration (min)	Title	Authors
10.15	10.35	20	Risk Management using PESTLE: External Factors Trigger COVID-19 Transmission	Madiah Mohd Saudi (Universiti Sains Islam Malaysia (USIM), Malaysia); Mohd Numan Mohd Liki (USIM, Malaysia); Muhammad Afif Husaini Amer and Azuan Ahmad (Universiti Sains Islam Malaysia, Malaysia)
10.35	10.55	20	Classification of Alzheimer's Disease using Low Frequency Fluctuation of rs-fMRI Signals	Alishba Sadiq (Universiti Teknologi Petronas, Malaysia); Norashikin Yahya (Universiti Teknologi Petronas & CISIR, Malaysia); Tong Boon Tang (Universiti Teknologi PETRONAS, Malaysia)
10.55	11.15	20	SwiftSRGAN - Rethinking Super-Resolution for Efficient and Real-time Inference	Koushik Sivarama Krishnan (Panimalar Engineering College, India); Karthik Sivarama Krishnan (Rochester Institute of Technology, USA & Panimalar Engineering College, India)
11.15	11.35	20	SVD-Based Feature Extraction Technique For The Improvement of Effective Connectivity detection	Abdulhakim Abdullah Al-Ezzi (Universiti Teknologi PETRONAS, Malaysia); Norashikin Yahya (Universiti Teknologi Petronas & CISIR, Malaysia); Nidal Kamel (Universiti Teknologi PETRONAS, Malaysia); Ibrahim Faye (UTP, Malaysia); Alaa Abdulghani Qasem Al-Shargabi (Universiti Teknologi Malaysia, Malaysia); Mohammed Isam Al-Hiyali (Universiti Teknologi Petronas & Centre for Intelligent Signal and Imaging Research-CISIR, Malaysia)
11.35	11.55	20	Modeling of the PolyMUMPs-Based MEMS Sensor for Application in Trace Gas Detection	Abdullah Saleh Algarni (Universiti Teknologi PETRONAS (UTP), Malaysia); Mohd Haris Md Khir (Universiti Teknologi PETRONAS, Malaysia); Abdelaziz Yousif Ahmed Almahi (École de Technologie Supérieure, Canada & ETS, Canada); Osamah Lutf Qaid Al-Mahdi (University Technology PETRONAS, Malaysia); Saeed S. Ba Hashwan (Universiti Teknologi Petronas, Malaysia); Sami Sultan Alabsi (Universiti Teknologi PETRONAS, Malaysia)

**PARALLEL SESSIONS SCHEDULE**  
**International Conference on Intelligent Cybernetics Technology & Applications 2021 (ICICyTA)**

**1st day - 1 Dec 2021 (10.15 - 12.15) - GMT+7**

Session 1C			Topic: Internet of Things (IoT) & Cybernetics	
Moderator:			Topic: Internet of Things (IoT) & Cybernetics	
Start	Ends	Duration (min)	Title	Presenter
10.15	10.35	20	Static Fatigue Detection in Office Syndrome using sEMG and Machine Learning	Parama Pratummas (Dhurakij Pundit University, Thailand)
10.35	10.55	20	Secure MQTT Authentication and Message Exchange Methods for IoT Constrained Device	Rizka Reza Pahlevi, Fathan Abdul Shodiq and Parman Sukarno (Telkom University, Indonesia)
10.55	11.15	20	Anomaly Detection on an IoT-Based Vaccine Storage Refrigerator Temperature Monitoring System	Aji Gautama Putrada and Maman Abdurouhman (Telkom University, Indonesia)
11.15	11.35	20	Host Vulnerability Analysis Using Supervised Learning Based on Port Response	Muhammad Rayhan Ferdinand (Telkom University, Indonesia); Satria Mandala (Universitas Telkom, Indonesia); Dita Oktaria (Telkom University, Indonesia)
11.35	11.55	20	Analysis Study of Malware Classification Portable Executable using Hybrid Machine Learning	Fauzan Hikmah Ramadhan (Telkom University, Indonesia); Vera Suryani and Satria Mandala (Universitas Telkom, Indonesia)

**2nd day - 2 Dec 2021 (10.05 - 12.05) - GMT+7**

Session 2A			Topic: Computational Intelligence & Cybernetics	
Moderator: Aniq Atiqi			Topic: Computational Intelligence & Cybernetics	
Start	Ends	Duration (min)	Title	Authors
10.05	10.25	20	Leading Sentence News TextRank	Yeong Tsann Phua (Universiti Teknologi PETRONAS, Malaysia); Kwang Hooi Yew (Universiti Teknologi PETRONAS & IEEE, Malaysia); Mohd Fadzil Hassan (Universiti Teknologi PETRONAS, Malaysia); Matthew Y. W. Teow (Sunway University, Malaysia)
10.25	10.45	20	Cervical Cancer Classification Using Improved Ridge Polynomial Neural Network	Rocky Yefrenes Dillak and Petrisia Widayarsi Sudarmadji (Politeknik Negeri Kupang, Indonesia)
10.45	11.05	20	Enhanced Sentiment Analysis Technique using Machine Learning and B.R.A.G.E technique	Dafuallah Esameldien Dafaallah and Ahmad Sobri Hashim (Universiti Teknologi PETRONAS, Malaysia)
11.05	11.25	20	Study on the Dynamics of COVID-19 Cases in Achieving Herd Immunity in Indonesia	Pratama Azmi Atmajaya (Telkom University, Indonesia); Kurniadi Ahmad Wijaya (Telkom University & Telkom, Indonesia); Alif Adwitiya Pratama and Aditya Firman Ihsan (Telkom University, Indonesia)
11.25	11.45	20	Correlating Supply & Demand of Cooling & Energy between Gas District Cooling Model with Data Center	Nurul Syifa Shafirah Omar, Tang Jung Low and Lukman Ab. Rahim (Universiti Teknologi PETRONAS, Malaysia)

**PARALLEL SESSIONS SCHEDULE**  
**International Conference on Intelligent Cybernetics Technology & Applications 2021 (ICICyTA)**

**2nd day - 2 Dec 2021 (10.05 - 12.05) - GMT+7**

Session 2B			Topic: Cybernetics & Biomedical Engineering	
Start	Ends	Duration (min)	Title	Authors
10.05	10.25	20	Discrete Attractor Pattern Recognition During Resting State in EEG Signal	Noor Farahdila Abdullah (Universiti Teknologi Petronas & Centre of Intelligent Signal and Image Research (CISIR), Malaysia)
10.25	10.45	20	Study of Feature Extraction Methods to Detect Valvular Heart Disease (VHD) Using a Phonocardiogram	Wino Rama Putra (Telkom University, Indonesia); Satria Mandala (Universitas Telkom, Indonesia); Miftah Pramudyo (Universitas Padjadjaran, Indonesia)
10.45	11.05	20	Detecting Heart Valve Disease Using Support Vector Machine Algorithm based on Phonocardiogram Signal	Muhammad Farhan (Telkom University, Indonesia); Satria Mandala (Universitas Telkom, Indonesia); Miftah Pramudyo (Universitas Padjadjaran, Indonesia)
11.05	11.25	20	Phasic Electrodermal Activity Indicates Changes in Workload and Affective States	Ying Xing Feng (Universiti Teknologi Petronas, Malaysia); Tong Boon Tang (Universiti Teknologi PETRONAS, Malaysia); Eric Tatt Wei Ho (Universiti Teknologi PETRONAS & Center for Intelligent Signal & Imaging Research, Malaysia)

**2nd day - 2 Dec 2021 (10.05 - 12.05) - GMT+7**

Session 2C			Topic: Internet of Things (IoT) & Cybernetics	
Start	Ends	Duration (min)	Title	Presenter
10.05	10.25	20	Improving PIR Sensor Network-Based Activity Recognition with PCA and KNN	Rofif Irsyad Fakhruddin (Telkom University & Telkom University Bandung, Indonesia); Maman Abdurohman and Aji Gautama Putrada (Telkom University, Indonesia)
10.25	10.45	20	Hierarchical Permissioned Blockchain and Traceability Of Requirement Changes	Sumayema Kabir Ricky (University Technology PETRONAS, Malaysia); Lukman Ab. Rahim, Rohiza Ahmad and Aliza Sarlan (Universiti Teknologi PETRONAS, Malaysia)
10.45	11.05	20	Fruit Ripeness Sorting Machine using Color Sensors	Hilal H. Nuha and Maman Abdurohman (Telkom University, Indonesia)
11.05	11.25	20	Internet of Things Device for Clay Moisture Measurement	Sakina Dewi, Hilal H. Nuha, Satria Akbar Mugitama and Rahmat Yasirandi (Telkom University, Indonesia)
11.25	11.45	20	Comparative Analysis of Community Detection Methods for Link Failure Recovery in SDN	Muhammad Yunis Daha (Universiti Teknologi PETRONAS, Malaysia); Soperi Zahid (UTP, Malaysia); Abdussalam Alashhab Alashhab and Shahab UI Hassan (Universiti Teknologi PETRONAS, Malaysia)