



• Advanced Program

ICACSYS 2022



**The 14th International Conference on Advanced
Computer Science and Information Systems**

Virtual Conference hosted by Faculty of Computer Science, UI
and Faculty of Defense Technology, RIDU
October 1-3, 2022

Host



FACULTY OF
**COMPUTER
SCIENCE**



In Conjunction With



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CONFERENCE INFORMATION

Dates	1 – 3 October 2022
Organizer	Faculty of Computer Science, Universitas Indonesia, Indonesia Universitas Pertahanan, Indonesia
Venue	ZOOM Webinar
Official Language	English
Secretariat	Faculty of Computer Science, Universitas Indonesia Kampus UI Depok Depok, 16424 Indonesia T: +62 21786 3419 ext. 3225 F: +62 21 786 3415 E: icacsis@cs.ui.ac.id W: https://www.cs.ui.ac.id
Conference Website	https://icacsis.cs.ui.ac.id

COMMITTEES

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H. B Santoso, Universitas Indonesia, ID
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H. Tjahjadi, Universitas Pertahanan Republik Indonesia, ID
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N. M. S. Iswari, Universitas Multimedia Nusantara, ID
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R. Mutharaju, Indraprastha Institute of Information Technology Delhi, IN
R. R. Suryono, Universitas Teknokrat Indonesia, ID
S. Al Hakim, Indonesian Institute of Sciences, ID
S. Bressan, National University of Singapore, SG
S. Yazid, Universitas Indonesia, ID
T. Purwoningsih, Universitas Terbuka, ID
W. C. Wibowo, Universitas Indonesia, ID
W. S. Nugroho, Universitas Indonesia, ID
Y. Lepage, Waseda University, JP

LOCAL ORGANIZING COMMITTEE

A. N. Fitrah, Universitas Indonesia, ID
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M. Asrul, Universitas Indonesia, ID
N. Nisa, Universitas Indonesia, ID
R. D. Saksono, Universitas Indonesia, ID

REGISTRATION

PAYMENT

Registration Fee of ICACSIS 2022:


	Domestic	International
Regular	Rp. 2.500.000	\$175.00
IEEE Member	Rp. 1.750.000	\$125.00
Student	Rp. 1.400.000	\$100.00
Participant (non-presenter)	Rp. 1.000.000	\$75.00

Note: The registration fee is per paper.

Author conference registration will include:

- Conference Proceedings
- E-Certificate

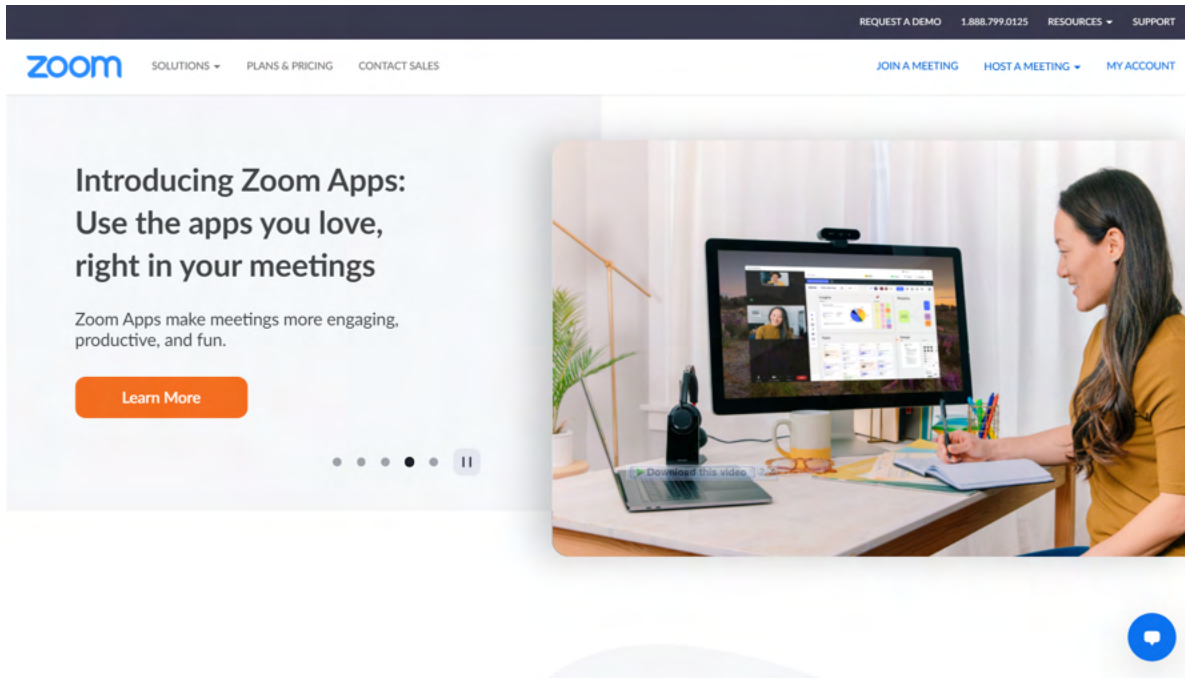
PAYMENT METHOD

	<p>Bank Name : BNI Account Name : UNIVERSITAS-INDONESIA-Fasilkom Non BP Account Number : 127 3000 444 Swift Code : BNI NIDJA 127 3000 444 for 8 characters or BNI NIDJA XXX 127 3000 444 for 11 characters</p>
	<ul style="list-style-type: none">• There will be additional fees (\$10/page or Rp 150.000/page) if your paper is more than 6 pages, and please be sure that your paper is not more than 10 pages.• Transfer fees transactions are charged to the author.• Make sure one of the author(s) of the paper registers to the conference by September 5, 2022, at the latest. Please fill in the following form: https://bit.ly/icacsis2022-regist. (Form submission needs to log in from Google account.)• We do not provide printed proceeding onsite, please contact us if you need one. There is an additional charge to print and ship it to your address

CONFERENCE PLATFORM

Parallel Session, Plenary, and Keynote Talk: Zoom Meeting and Zoom Webinar

Download Link: <https://zoom.us/download>



ICAC SIS 2022 PROGRAM SCHEDULE

DAY 1: SATURDAY, 1 OCTOBER 2022

Time (GMT +7)		Event	Room
Start	End		
08:00	09:00	Opening Remark	Room #1 Zoom Meeting
09:00	10:00	Plenary Speech #1: Prof. Rajkumar Buyya	Room #1 Zoom Meeting
10:00	10:15	Break (Networking Session)	
10:15	12:15	Session 1	Room #3 Zoom Meeting
		Session 2	Room #4 Zoom Meeting
		Session 3	Room #5 Zoom Meeting
12:15	13:00	Break (Networking Session)	
13:00	14:00	Keynote Speech #1 ICAC SIS: Dr. Mahardhika Pratama	Room #1 Zoom Meeting
14:00	15:00	Keynote Speech #2 ICAC SIS: Maj. Gen. Jonni Mahroza, Ph.D.	Room #1 Zoom Meeting
15:00	16:00	Plenary Speech #2: Prof. Maria Valdes Hernandez	Room #1 Zoom Meeting
16:00	16:15	Break (Networking Session)	
16:15	18:15	Session 4	Room #3 Zoom Meeting
		Session 5	Room #4 Zoom Meeting

DAY 2: SUNDAY, 2 OCTOBER 2022

Time (GMT +7)		Event	Room
Start	End		
08:00	09:00	Plenary Speech #3: Prof. Jeremy Blackburn	Room #1 Zoom Meeting
09:00	09:15	Break (Networking Session)	
09:15	11:15	Session 6	Room #3 Zoom Meeting
		Session 7	Room #4 Zoom Meeting
11:15	12:15	Keynote Speech #3 ICAC SIS: Dr. Wahyu Caesarendra	Room #1 Zoom Meeting
12:15	13:00	Break (Networking Session)	
13:00	15:00	Session 8	Room #3 Zoom Meeting
		Session 9	Room #4 Zoom Meeting

Time (GMT +7)		Event	Room
Start	End		
15:00	15:15	Break (Networking Session)	
15:15	16:15	Keynote Speech #1 IWBIS: Dr. Adhiguna Mahendra	Room #1 Zoom Meeting
16:15	17:15	Keynote Speech #2 IWBIS: AFM. Dr. Rudy Agus Gemilang Gultom	Room #1 Zoom Meeting
17:15	18:00	Closing Ceremony & Awarding Session	Room #1 Zoom Meeting

DAY 3: MONDAY, 3 OCTOBER 2022

Time (GMT +7)		Event
Start	End	
08:00	11:30	Indonesia International Defense Science Seminar (IIDSS) - Focus Group Discussion
11:30	13:00	Break (Networking Session)
13:00	16:00	Artificial Intelligence Workshop

SPEAKERS

PLENARY SPEAKERS



PROF. RAJKUMAR BUYYA

Director, CEO
**Cloud Computing and
Distributed Systems
(CLOUDS) Lab**
The University of
Melbourne
Manjrasoft Pvt Ltd,
Melbourne
Australia

Dr. Rajkumar Buyya is a Redmond Barry Distinguished Professor and Director of the Cloud Computing and Distributed Systems (CLOUDS) Laboratory at the University of Melbourne, Australia. He is also serving as the founding CEO of Manjrasoft, a spin-off company of the University, commercializing its innovations in Cloud Computing. He has authored over 850 publications and seven textbooks including “Mastering Cloud Computing” published by McGraw Hill, China Machine Press, and Morgan Kaufmann for Indian, Chinese and international markets respectively. Dr. Buyya is one of the highly cited authors in computer science and software engineering worldwide (h-index=155, g-index=342, and 127,200+ citations). Dr. Buyya is recognised as Web of Science “Highly Cited Researcher” for six consecutive years since 2016, IEEE Fellow, and Scopus Researcher of the Year 2017 with Excellence in Innovative Research Award by Elsevier. He has been recognised as the “Best of the World” twice for research fields (in Computing Systems in 2019 and Software Systems in 2021) as well as “Lifetime Achiever” and “Superstar of Research” in “Engineering and Computer Science” discipline twice (2019 and 2021) by the Australian Research Review. Recently, he received “Research Innovation Award” from IEEE Technical Committee on Services Computing and “Research Impact Award” from IEEE Technical Committee on Cloud Computing.

Software technologies for Grid, Cloud, and Fog computing developed under Dr. Buyya’s leadership have gained rapid acceptance and are in use at several academic institutions and commercial enterprises in 50+ countries around the world. Manjrasoft’s Aneka Cloud technology developed under his leadership has received “Frost New Product Innovation Award”. He served as founding Editor-in-Chief of the IEEE Transactions on Cloud Computing. He is currently serving as Editor-in-Chief of Software: Practice and Experience, a long-standing journal in the field established 50+ years ago. For further information on Dr. Buyya, please visit his cyberhome: www.buyya.com



**PROF. JEREMY
BLACKBURN**

Assistant Professor
**Department of
Computer Science
Binghamton University,
New York, USA**

Jeremy Blackburn is an Assistant Professor in the Dept. of Computer Science at Binghamton University. Jeremy is broadly interested in data science, with a focus on large-scale measurements and modelling. His largest line of work is in understanding jerks on the Internet. His award winning research into understanding toxic behaviour, hate speech, and fringe and extremist Web communities has been covered in the press by the likes of The Washington Post, the New York Times, and Infowars, among others.

Jeremy has an Erdos-Bacon number of ≤ 7 , has been quoted by Zizek, and has had at least one League of Legends account permabanned.



**PROF. MARIA
VALDES HERNANDEZ**

Lecturer in Medical Image
Analysis
**Centre for Clinical Brain
Sciences
The University of
Edinburgh
United Kingdom**

Maria Valdes Hernandez is a Lecturer in Medical Image Analysis at The University of Edinburgh. Maria is broadly interested in image processing and image analysis. She was graduated with merits as Electronic Engineer and MSc in Electronics from the Central University of Las Villas, Cuba, PhD in Electronics and Informatics from Gunma University, Japan. She also obtained the Post-graduate certificate in University Teaching from The University of Edinburgh, UK. She also has several high impact publications in journals, invited oral presentations and software expositions nationally and internationally,

Maria has reputation in establishing successful national and international collaborations that are leading to further grants and institutional collaborative programmes.

KEYNOTE SPEAKERS



**DR. WAHYU
CAESARENDRA**

Assistant Professor
Faculty of Integrated
Technologies
**Universiti Brunei
Darussalam, Brunei**

Dr. Wahyu Caesarendra is an Assistant Professor at the Faculty of Integrated Technologies, Universiti Brunei Darussalam since October 2018. He received a Bachelor of Engineering degree from Diponegoro University, Indonesia in 2005. He worked in the automotive and electrical company prior to joining Diponegoro University as a Lecturer in 2007. He received New University for Regional Innovation (NURI) and Brain Korea 21 (BK21) scholarships for Master study in 2008 and obtained his Master of Engineering (M.Eng) degree from Pukyong National University, South Korea in 2010. In 2011, Wahyu Caesarendra was awarded of University Postgraduate Award (UPA) and International Postgraduate Tuition Award (IPTA) from the University of Wollongong. He received a Doctor of Philosophy (Ph.D.) degree from the University of Wollongong in 2015.

He has authored over 130 research articles in Journals and Conference proceedings (h-index=24 and 2200+ citations). He worked as Postdoctoral Research Fellow in Rolls-Royce@NTU Corp Lab, School of Mechanical and Aerospace Engineering, Nanyang Technological University, Singapore from February 2017 to September 2018. He was a Visiting Assistant Professor at the National Taiwan University of Science and Technology (NTUST) in August 2019. He is currently acting as Faculty Research Coordinator and Research Member of the Institute of Applied Data Analytics (IADA).



**DR. MAHARDHIKA
PRATAMA**

Associate Professor
Academic unit of STEM,
**University of South
Australia, Adelaide,
Australia**

Assoc. Prof. Mahardhika Pratama is currently an associate professor and enterprise fellow in AI at the academic unit of STEM, University of South Australia, Adelaide, Australia. Prior to this appointment, he was an assistant professor at the school of CSE, Nanyang Technological University, Singapore from 2017 to Jan 2022, a lecturer at the department of CSIT, La Trobe University, Melbourne, Australia from 2015 to 2017 and a postdoctoral research fellow at the University of Technology Sydney, Sydney, Australia from 2014 to 2015. Mahardhika earned a PhD degree from the University of New South Wales, Australia in Nov 2014, a M.Sc degree from Nanyang Technological University, Singapore in Nov 2011 and a B.Eng degree from Institut Teknologi Sepuluh Nopember, Indonesia in Mar 2010.

The research focus of Mahardhika is in deep learning where he is an active researcher in continual learning, lifelong learning, incremental learning, stream learning, fuzzy neural networks, and intelligent control systems. The goal of his study is to develop a deep learning algorithm that can learn forever as the case of biological learning. The application domain of his study includes manufacturing and satellite systems. He mainly published his works in IEEE TNNLS, IEEE TFS, IEEE TCYB, AAI, SIGKDD, ICDM, ECML PKDD, CIKM, etc. and serves as an associate editor of IEEE TNNLS, IEEE TFS, INS, KBS, CAIS, Complexity, EVOS, JDC. His works have been recognized by several research awards such as 2019 IEEE TFS prestigious publication award, 2019 Amity researcher award in data streams, 2014 and 2013 UNSW high-impact publication award, and 2011 IES prestigious engineering achievement award. Mahardhika have secured ~\$4 million in research funding where 7 PhD students and 6 postdoctoral research fellows have graduated successfully under his supervision. 4 of whom currently work as an assistant professor at reputed universities such as IIIT, Hyderabad, India, Huazhong University of Science and Technology, China, University of Bristol, UK. For further information, please visit his website at www.mpratama.com.



**MAJ. GEN. JONNI
MAHROZA, PH.D.**

Vice Rector for Academic
and Students Affairs
**Republic of Indonesia
Defense University
Indonesia**

Jonni Mahroza graduated from Indonesian Military Academy in 1989, and served as a commanding officer at the 2nd Battalion of Air Defense of Artillery in Malang, East Java up to 1999. While serving in Malang, he finished his first degree in Political Science from Open University in 1995, and his M.A in International Relations from the University of East Anglia, Norwich, U.K. in 1997.

In 1999 he served as a staff officer at the Artillery Centre in Cimahi, and gained his Ph.D in Defense Studies from Flinders University, Adelaide, Australia in 2006, after which he moved to Army Command and Staff College, then to the Ministry of Defense in 2009.

While working as a defense analyst at the Ministry of Defense, he was also lecturing various subjects related to war and strategy at the Republic of Indonesia Defense University. In 2011 he moved to the Strategic Intelligent Agency of the Indonesian Armed Forces, then assigned as Defense Attaché in London, U.K., and a non-resident Defense Attaché to the Kingdom of Sweden and the Kingdom of Denmark in from 2012 to 2015.

He also gained M.Sc. in National Security Strategy from his study at National War College of National Defense University, Washington D.C. from 2016 to 2017.

Jonni Mahroza was awarded an Honorary Officer of British Empire (O.B.E) by Queen Elizabeth-II in 2012 for his role in strengthening the defense cooperation between Indonesia and the United Kingdom.

TECHNICAL PROGRAM

DAY 1

Conference Opening Remark Saturday, October 1, 2022
Venue: Room #1, Zoom 08.00 – 09.00 (GMT + 7)

Plenary Speech #1: Prof. Rajkumar Buyya Saturday, October 1, 2022
Moderator: Prof. Heru Suhartanto 09.00 – 10.00 (GMT + 7)
Venue: Room #1, Zoom

Networking Session Saturday, October 1, 2022
Venue: Room #1, Zoom 10.00 – 10.15 (GMT + 7)

Session 1: E-Government Saturday, October 1
Session Chair: Dr. Mas Ayu Elita Hafizah, S.Si., M.Si. 10.15 – 12.15
Room #3 ID: (GMT +7)
Zoom Meeting

1984 Designing Personal Knowledge Management System to Support Knowledge Sharing in Government Organization: A Case study at the Indonesian Central Statistics Agency

Candra Dwi Nugraha, Deden Sumirat Hidayat, Dana Indra Sensuse, Nadya Safitri

2121 Business Process Architecture, Data and Information Architecture: a Public Sector Case

Hayu Marta Ambarawati, Mahendrawathi ER, Radityo Prasetianto Wibowo, Agus Imam Sonhaji

2110 Determining Business Process Improvement Priorities at Surabaya City Office for Population Administration & Civil Registration

Serra Charisma Viontita, Mahendrawathi ER, Ika Nurkasanah, Agus Imam Sonhaji

2083 Maturity Evaluation and Improvement Recommendation of Information Technology Governance with the Control Objective of Information and Related Technology 2019 Framework: A Case Study of Tax Court Secretariat

Arief Taufik Budiman, Putu Wuri Handayani

2069 Exploring an Integrated Model of Tracking and Tracing Application: Insights from PeduliLindungi in Indonesia

Jonathan Filbert Liyanto, Muhammad Rifki Shihab

Session 2: Data Science and Artificial Intelligence

Session Chair: Dr. Robertus Heru Triharjanto, M.Sc.

Room #4 ID:

Zoom Meeting

Saturday, October 1

10.15 – 12.15

(GMT +7)

2068 Determining An Optimal Airport Location For Country Capital Case Study: Capital Region Nusantara

Muhammad Hafizh Syafi'i, Candra Wiranursamsu, Hede Jacobeth Mangngi Uly, I Ketut Wisnu Wardhana, Ikha Prasetyani, Octo Mario Pasaribu, Asep Adang Supriyadi, Syachrul Arief, Rudy AG Gultom, Kasih Prihantoro

2070 Placement Analysis of GCI Radar For Supporting Indonesia Air Defense Using Geographic Information System (Case Study: West Kalimantan)

Niken Ayu Firdayanti, Meylia Susiana, Igara Triregina, Rahmat Sunarya, Kharismaji Kalasmoro, Teguh Budiman, Lily Harjanto, Andrian Andaya Lestari, Rudy AG Gultom, Makmur Supriyatno

2064 Autonomous Evacuation Boat in Dynamic Flood Disaster Environment

Nur Hamid, Willy Dharmawan, Hidetaka Nambo

1976 Drone-based Detection and Geo-Mapping of Wastes, Weeds and Diseases in Plants using Deep Learning

Manjunath R Kounte, Niran N, Pranav S Hegde, Nisha R Dandur, Nisha S

2119 Remote Sensing Satellite Technology to Determine the Center of The Maritime Defense Logistics Route for Securing the Indonesian Capital City (IKN)

Hadi Sulisty, Unggul Satrio Yudhotomo, Hazen Alrasyid, Moh. Fakhruddin Farhan, Kasim, Mala Utami, Winka Wino Yunanda, Fiorentina Nulhakim, Salsa Ayuning Tias, George Royke Deksin

Session 3: Natural Language Processing

Session Chair: Dr. Ika Alfina, S.Kom., M.Kom.

Room #5 ID:

Zoom Meeting

Saturday, October 1

10.15 – 12.15

(GMT +7)

1985 Clustered BERT Model for Predicting Retweet Popularity

Surbhi Kakar, Deepali Dhaka, Monica Mehrotra

1991 Large-scale AMR Corpus with Re-generated Sentences: Domain Adaptive Pre-training on ACL Anthology Corpus

Ming Zhao, Yaling Wang, Yves Lepage

2072 Language Resource Construction of Multi-Domain Philippine English Text for Pre-training Objective

Mary Joy P. Canon, Christian Y. Sy, Thelma D. Palaoag, Rachel Edita O. Roxas, Lany L. Maceda

2099 Building Morphological Analyzer for Informal Text in Indonesian

I Made Krisna Dwitama, Muhammad Salman Al Farisi, Ika Alfina, Arawinda Dinakaramani

2120 Developing a Singlish Neural Language Model using ELECTRA

Galangkangin Gotera, Radityo Eko Prasajo, Yugo Kartono Isal

Networking Session

Saturday, October 1, 2022

Venue: Room #1, Zoom

12.15 – 13.00 (GMT + 7)

Keynote Speech #1 ICAC SIS: Dr. Mahardhika Pratama
Moderator: Prof. Wisnu Jatmiko
Venue: Room #1, Zoom

Saturday, October 1, 2022
13.00 – 14.00 (GMT + 7)

Keynote Speech #2 ICAC SIS: Maj. Gen. Jonni Mahroza, Ph.D.
Moderator: Dr. R. Yugo K. Isal
Venue: Room #1, Zoom

Saturday, October 1, 2022
14.00 – 15.00 (GMT + 7)

Plenary Speech #2: Prof. Maria Valdes Hernandez
Moderator: Dr. Muhammad F Rachmadi
Venue: Room #1, Zoom

Saturday, October 1, 2022
15.00 – 16.00 (GMT + 7)

Networking Session
Venue: Room #1, Zoom

Saturday, October 1, 2022
16.00 – 16.15 (GMT + 7)

Session 4: E-Health and Human-Computer Interaction
Session Chair: Dr. Maykel Manawan, S.Si., M.Si.
Room #3 ID:
Zoom Meeting

Saturday, October 1
16.15 – 18.15
(GMT +7)

2055 Health Recommender System for Maternal Care Implementation Challenges: A Qualitative Analysis of Physicians' Perspective

Rinto Priambodo, Putu Wuri Handayani, Dana Indra Sensuse, Ryan Randy Suryono, Kautsarina

2067 User Perception towards Telemedicine Before and During COVID-19

Talitha Nabila Saifana, Nori Wilantika

2030 Analysis Of Customer Behaviour On E-Commerce During Covid-19

Jaweria Imran, Hijab e Zainab, Kanwal Zahoor

2109 Design and Evaluation of AKP Application

Iustisia Natalia Simbolon, Devi Wahyuni Silitonga, Putri Era Waty Bakara

2075 A Correlational Study Between User Interfaces Attributes To User Experience In A Website

Christopher Angelo, Diven Clementius, Kensi Chandrawan, Andries, Irene Anindaputri Iswanto

Session 5: Computer Systems and Networks

Session Chair: Dr. Ir. Ade Muhammad, M.Han.

Room #4 ID:

Zoom Meeting

Saturday, October 1

16.15 – 18.15

(GMT +7)

2111 A Stochastic Approach for Blockchain Internet of Things (IoT) Integration

Othman Omran Khalifa, Muhammed Zaharadeen Ahmed, Rashid A Saeed, Aliyu Musa Kida, Abdul Gani Albagoul, Abdelrahim N. Esgiar

2013 Optimizing Time and Cost Activity based on Discrete Event Simulation with Multi-Objective Optimization Method by Ratio Analysis (MOORA)

Kelly Rossa Sungkono, Tio Arya Dewa Prakasa, Alfado Rafly Hermawan, Ganendra Aby Bhamakerti, Riyanarto Sarno

2043 Research on Train Positioning Algorithm with Special Rail Characters

Zhanyu Guo, Pengyu Wang

2097 Machine Learning Models for LoRaWAN IoT Anomaly Detection

Agus Kurniawan, Marcel Kyas

1980 Network Connectivity Knowledge Graph using DWave Quantum Hybrid Solvers

Nivedha Rajaram

DAY 2

Plenary Speech #3: Prof. Jeremy Blackburn

Moderator: Adila A Krisnadhi, Ph.D

Venue: Room #1, Zoom

Sunday, October 2, 2022

08.00 – 09.00 (GMT + 7)

Networking Session

Venue: Room #1, Zoom

Sunday, October 2, 2022

09.00 – 09.15 (GMT + 7)

Session 6: Image Processing and Computer Vision

Session Chair: Dr. Hendrana Tjahjadi, S.T., M.Si.

Room #3 ID:

Zoom Meeting

Sunday, October 2

09.15 – 11.15

(GMT +7)

1994 Improved Single Shot Detector with Enhanced Hard Negative Mining Approach

Niranjan Ravi, Mohamed El-Sharkawy

2054 uICNet: Lightweight Image Segmentation

Justin Edwards, Mohamed El-Sharkawy

2011 Solving Complex Background Problem Using RetinaNet for Sign System for Indonesian Language (SIBI) Gesture-to-Text Translator

Median Hardiv Nugraha, Erdefi Rakun

2001 Real-time sub-pixel binocular ranging based on FPGA

Tao Zhou, Jun Ruan, Kehao Wang

2042 Malware Classification and Visualization Using EfficientNet and B2IMG Algorithm

Handhika Yanuar Pratama, Jeckson Sidabutar

Session 7: E-Learning and Education

Session Chair: Editha Praditya Duarte, MIS, MA
Room #4 ID:
Zoom Meeting

Sunday, October 2
09.15 – 11.15
(GMT +7)

2087 Enhancement of e-Learning According to Process-based Maturity Assessment

Maudy Insan Tania, Nori Wilantika

1989 Time Series Analysis on Enrolment Data: A case in a State University in Zamboanga del Norte, Philippines

Urbano B. Patayon, Renato V. Crisostomo

2086 Developing a User-Centered Educational Game to Prevent Cyberbullying Among Elementary School Students

Thami Endamora Daulay, Kasiyah Junus, Lintang Matahari Hasani

2047 Finite State Automata On The Administrative Selection System Of New Student Admission in Universitas Pertahanan Republik Indonesia

Nadiza Lediwara, Hondor Saragih, Rudy A. G. Gultom, Emirul Mukmin, Gutri Rahmad Zuwa, Ray Hadi Fajri

2024 Gamification-Based Online Collaborative Learning Feature Design on SoloLearn Application with Mechanics-Dynamics-Aesthetics Framework and UserCentered Design Method

Gusti Ngurah Yama Adi Putra, Kasiyah Junus, Harry Budi Santoso

Keynote Speech #3 ICAC SIS: Assoc. Prof. Wahyu Caesarendra

Moderator: Dr. Mas Ayu Elita Hafizah

Venue: Room #1, Zoom

Sunday, October 2, 2022

11.15 – 12.15 (GMT + 7)

Networking Session

Sunday, October 2, 2022

Venue: Room #1, Zoom

12.15 – 13.00 (GMT + 7)

Session 8: E-Business

Session Chair: Letkol Tek Dr. Ir. Novky Asmoro, S.T., M.Si.
(Han), IPU
Room #3 ID:
Zoom Meeting

Sunday, October 2
13.00 – 15.00
(GMT +7)

2045 Real-Time Quality Monitoring and Prediction System for Logistics 4.0 of Mango Agroindustry

Sari Intan Kailaku, Taufik Djatna, Muslih Hakim, Afifah Nur Arfiana, Yandra Arkeman, Y Aris Purwanto, Faqih Udin

1996 MakanSETU

Yash Dilip Panchal, Manan Mer, Abhiroop Ghosh

2135 Continuous Use Evaluation of Business Intelligence Implementation in Energy Company

Muchammad Choirur Rizqi Anwar, Putu Wuri Handayani

2021 Classification of Stock Price Movement With Sentiment Analysis and Commodity Price: Case Study of Metals and Mining Sector

Nadika Sigit Sinatrya, Indra Budi, Aris Budi Santoso

Session 9: Machine Learning and Artificial Intelligence

Session Chair: Anindito, S.Kom., S.S., MTI
Room #4 ID:
Zoom Meeting

Sunday, October 2
13.00 – 15.00
(GMT +7)

2009 Sleep Stage Identification Based on EEG Signals Using Parallel Convolutional Neural Network and Recurrent Neural Network

Indiarto Aji Begawan, Esmeralda Contessa Djamal, Daswara Djajasasmita, Fatan Kasyidi, Fikri Nugraha

2056 A Review of Non-Invasive Monitoring of Blood Glucose Levels Based on Photoplethysmography Signals Using Artificial Intelligence

Hendrana Tjahjadi, Hery Sudaryanto, Agung Budi Rahmanto, Azka V Lesmana, Ahmad Ilham Irianto, Oczha Alifian

2084 Modification of YOLO with GhostNet to Reduce Parameters and Computing Resources for Detecting Acute Lymphoblastic Leukemia

Tanzilal Mustaqim, Chastine Fatichah, Nanik Suciati

2096 Classification of Stroke and Non-Stroke Patients from Human Body Movements using Smartphone Videos and Deep Neural Networks

Zafira Binta Feliandra, Siti Khadijah, Muhammad Febrian Rachmadi, Dina Chahyati

1973 Deep Learning-Based Smart Infotainment System for Taxi Vehicles

Menura Pamodh Dewalegama, Dinod Sachintha de Zoysa, Lakshani Madushika Kodikara, Janaka Chinthana Dissanayake, Thilmi Anuththara Kuruppu, Shalini Rupasinghe

Networking Session

Sunday, October 2, 2022

Venue: Room #1, Zoom

15.00 – 15.15 (GMT + 7)

Keynote Speech #1 IWBS: Dr. Adhiguna Mahendra

Sunday, October 2, 2022

Moderator: Prof. Eko K Budiardjo

15.15 – 16.15 (GMT + 7)

Venue: Room #1, Zoom

Keynote Speech #2 IWBS: AFM. Dr. Rudy Agus Gemilang Gultom

Sunday, October 2, 2022

Moderator: Dr. R. Yugo K Isal

16.15 – 17.15 (GMT + 7)

Venue: Room #1, Zoom

Closing Ceremony and Awarding Session

Sunday, October 2, 2022

Venue: Room #1, Zoom

17.15 – 18.00 (GMT + 7)

DAY 3

Indonesia International Defense Science Seminar - Focus Group Discussion

Moderator: Letkol Tek Dr. Ir. Novky Asmoro, S.T., M.Si (Han)., IPU.

- **Presenters:**

- Mayjen TNI Dominggus Pakel, S.Sos M.MSI
- Brigjen TNI Sarwono, S.I.P
- Brigjen TNI (Mar) Suaf Yanu Hardani
- Marsma TNI Dr. Ir. Rudy Agus Gemilang Gultom, M.Sc., CEH, CIQaR

- **Responders:**

- Prof. Dr. Ir. Eko Kuswardono Budiardjo, M.Sc.
- Prof. Ir. Teddy Mantoro, Ph.D., SMIEEE
- Dr. Tutun Juhana, ST., MT
- Satriyo Wibowo, CCISO, CBP, CSA, ECIH, CEH

**Monday, Oct 3
08:00-11:30 (GMT +7)**

Room ID:
ZOOM Event

Networking Session

Monday, October 3, 2022

Venue:

11.30 – 13.00 (GMT + 7)

Artificial Intelligence Workshop

- Prof. Wisnu Jatmiko
- Dr. Ario Yudo Husodo
- Muhammad Febrian Rachmadi, Ph.D

**Monday, Oct 3
13:00-16:00 (GMT +7)**

Room ID:
ZOOM Event



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