SCHEDULE OF ICAICTA 2021 (Wednesday 29 Sep 2021-Thursday 30 Sep 2021)

Wed, 29 Sep 2021, 08.00-08.15: OPENING (ITB)

Wed, 08.15-09.15	Session chair: Rizal Dwi Prayogo	
ID Paper	Authors	Title
81	Zalikha Gambetta, Dessi Puji Lestari and Ginar Niwanputri	Calla Beauty Assistant: Beauty Advisory Chatbot
60	Nadya Anastasia, Harlili and Lenny Putri Yulianti	Designing Embodied Virtual Agent in E-commerce System Recommendations using Conversational Design Interaction
45	Deborah Aprilia Josephine, Ayu Purwarianti and Fajar J. Ekaputra	Knowledge Graph Construction using Information Extraction of Indonesia Cosmetic Product Text in Bahasa Indonesia
89	Rizal Dwi Prayogo and Siti Amatullah Karimah	Feature Selection and Adaptive Synthetic Sampling Approach for Optimizing Online Shopper Purchase Intent Prediction

Wed, 09.30-10.45	Session chair: Rinaldi Munir	
ID Paper	Authors	Title
34	Asif Hummam Rais and Rinaldi Munir	Vehicle Speed Estimation Using YOLO, Kalman Filter, and Frame Sampling
80	Jesslyn Nathania	Deep Learning Based Human Action Recognition and Spatiotemporal Localization System
43	Muhammad Farhan Fathurrahman, Herman Y. Sutarto and Ivana Semanjski	Urban Network Traffic Analysis, Data Imputation, and Flow Prediction based on Probabilistic PCA Model of Traffic Volume Data
52	Fernão António Lopes Nobre Mouzinho and Hidekazu Fukai	Hierarchical Semantic Segmentation Based Approach for Road Surface Damage and Marking Detection on Paved Road
65	Shingo Yashiki, Chako Takahashi and Koutarou Suzuki	Targeted Universal Adversarial Examples via Single Node Injection on Graph Convolutional Networks

Wed, 11.00-12.00	Keynote Speech: Masaki Aono (TUT); session chair: Fariska Z R

Wed, 13.00-14.15	Session chair: Ginar Santika Niwanputri	
ID Paper	Authors	Title
18	Nurriasih Fatimah, Indra Budi, Aris Budi Santoso and Prabu Kresna Putra	Analysis of Mental Health During the Covid-19 Pandemic in Indonesia using Twitter Data
20	Dandy Arif Rahman and Dessi Puji Lestari	COVID-19 Classification Using Cough Sounds
24	Deni Lukmanul Hakim and Titania Nur Shelly	Location-feature Deep Convolutional Neural Network in Improving Skin Cancer Classification Detection
33	Ayi Purbasari, Fedri Ruluwedrata Rinawan, Arief Zulianto, Ari Indra Susanti and Hendra Komara	CRISP-DM for Data Quality Improvement to Support Machine Learning of Predicting Stunting in Infants and Toddlers
54	Akhmad Alimudin and Yoshiteru Ishida	A Study of the Random Order Mechanism for Uncertain Preferences in the Stable Marriage Problem

Wed, 14.30-15.45	Session chair: Peb Ruswono Aryan	
ID Paper	Authors	Title
79	Sinung Suakanto, Rachmadita Andreswari and Erza Putra Albasori	SEMPIR : Sequence Multiple Point of Interest Recommender System for Overland Tourism
61	Shiori Hironaka, Mitsuo Yoshida and Kyoji Umemura	Comparison of Indicators of Location Homophily Using Twitter Follow Graph
55	Ghanim Kanugrahan and Alfan Farizki Wicaksono	Sentiment Analysis of Face-to-face Learning during Covid-19 Pandemic using Twitter Data
71	Fajar Muslim, Ayu Purwarianti and Fariska Zakhralativa Ruskanda	Cost-Sensitive Learning and Ensemble BERT for Identifying and Categorizing Offensive Language in Social Media
47	Muhammad Sidik Asyaky and Rila Mandala	Improving the Performance of HDBSCAN on Short Text Clustering by Using Word Embeddings and UMAP

Wed, 16.15-17.15	Session chair: Achmad Imam Kistijantoro	
ID Paper	Authors	Title
21	Gayuh Giliyuwana, Gusti Ayu Putri Saptawati and Yanti Rusmawati	Clustering Optimization using VWK-Means-ALO for Grouping 20 kV Feeders Based on The Reliability Index of Electric Power Distribution System
32	Michael Adriel Darmawan, Nathanael William Boentoro, Kevin Christian Surya and Derwin Suhartono	Regression Models Analysis in Predicting the Impact of Population Growth on Flood Intensity in Jakarta
58	Jonathan Raditya Valerian, Faizal Immaddudin Wira Rohmat, Hadi Kardhana, Muhammad Syahril Badri Kusuma and Muhammad Yatsrib	Sadewa satellite remote sensing data to Manggarai 1-hour Water Level Machine Learning Model
91	Peb Ruswono Aryan, Matthias Deimel, Fajar J. Ekaputra and Marta Sabou	Using SPARQL to express Causality in Explainable Cyber-Physical Systems

Thursday, 30 Sep 2021

Thu, 08.00-09.15	Session chair: Dessi Puji Lestari	
ID Paper	Authors	Title
72	Ainun F. Vianiryzki and Ginar Santika Niwanputri	A User-Centered Approach to Design a Financial Asset Investment Mobile Application for Building Investing Eagerness
63	Kintan Adinda and Ginar Niwanputri	Designing for Financial Literacy: How Adolescent Learning through a Mobile Application
48	Muhammad Rizki Fonna and Dwi Hendratmo Widyantoro	Tutorial System in Learning Activities Through Machine Learning-Based Chatbot Applications in Pharmacology Education
82	Hansen Hansen and Ginar Niwanputri	A Player-centered Design: Gamifying Self-learning to Cook on Mobile Application
92	Peerapon Kamlangpuech and Komate Amphawan	eCSCDA: An efficient system for analyzing contents of Computer Science Courses

Thu, 09.30-10.45	Session chair: Miranti Indar Mandasari	
ID Paper	Authors	Title
85	Moch Azhar Dhiaulhaq, Rizki Rivai Ginanjar, Holy Lovenia and Dessi Puji Lestari	Indonesia Expressive Text to Speech System based on Global Style Token and Tacotron 2
78	Rofiqoh Hadiyan Dien Haqque and Esmeralda Contessa Djamal	Emotion Recognition of EEG Signals Using Wavelet Filter and Convolutional Neural Networks
87	Aisyah Nurul Izzah Adma and Dessi Puji Lestari	Conversational Speech Emotion Recognition From Indonesian Spoken Language Using Recurrent Neural Network-Based Model
68	Vinsen Marselino Andreas, Genta Indra Winata and Ayu Purwarianti	A Comparative Study on Language Models for Task-Oriented Dialogue Systems
14	Rida Miraj and Masaki Aono	Humor Detection Using a Bidirectional Encoder Representations from Transformers (BERT) based Neural Ensemble Model

Thu, 11.00-12.00	**KEYNOTE SPEECH: Nugraha Priya Utama (ITB); Session chair: Jun Miura (TUT)**	

Thu, 13.00-14.15	**Session chair: Fariska Z. Ruskanda**	
ID Paper	Authors	Title
22	Triana Dewi Salma, Gusti Ayu Putri Saptawati and Yanti Rusmawati	Text Classification Using XLNet with Infomap Automatic Labeling Process
23	Muhammad Adrinta Abdurrazzaq, Gusti Ayu Putri Saptawati and Yanti Rusmawati	MAGNET Architecture Optimization on Multi-Label Text Classification
40	Khanddorj Mendbayar and Masaki Aono	Token Level Evaluation and Feature Enhancer for Transformer-based Models
50	Masato Kikuchi, Mitsuo Yoshida, Kyoji Umemura and Tadachika Ozono	Feature Selective Likelihood Ratio Estimator for Low- and Zero-frequency N-grams
49	Ayaka Takamoto, Mitsuo Yoshida and Kyoji Umemura	Comparing Two Counting Methods in Estimating Probabilities of Strings

Thu, 14.30-15.45	**Session chair: Nugraha Priya Utama**	
ID Paper	Authors	Title
8	Affifah Jayanthi and Esmeralda Contessa Djamal	Hybrid CNN-RNN in Motor Imagery Identification of Brain-Computer Interface
42	Irfan H. Widyadhana and Dwi H. Widyantoro	Development of Video Based Action Recognition System for Item Taking from Shelf
46	Yuki Sugimoto and Masaki Aono	Semantic Segmentation based on Extended MobileNet with FPN
51	Yuta Fukatsu and Masaki Aono	3D Mesh Generation by Introducing Extended Attentive Normalization
57	Krishna Aurelio Noviandri, Dwi Hendratmo Widyantoro and Ardian Umam	Visual Attribute Extraction of Fashion Images using Progressive Model with Local Feature Extraction

Thu, 16.15-17.15	**Session chair: Nur Ulfa Maulidevi**	
ID Paper	Authors	Title
64	Ryoto Ohsugi, Tomoyosi Akiba and Shigeru Masuyama	Agenda Extraction from Assembly Minutes by exploiting Relation between Questions and Answers
88	Teruya Kawai, Tomoyosi Akiba and Shigeru Masuyama	Development of Political QA Systems aimed at Assembly Minutes based on Abstractive Summarization
28	Paulus Setiawan Suryadjaja and Rila Mandala	Improving the Performance of the Extractive Text Summarization by a Novel Topic Modeling and Sentence Embedding Technique using SBERT
66	Gardahadi Gardiadi and Ginar Niwanputri	Designing an Engaging News Aggregator Application with Social Support Features and Gamification

Thu, 17.15-17.30	**Closing (Norihide Kitaoka - TUT)**	