Session 1A, 11:00 in room **CB11.B2.101**

Oral Presentations

#16 1571078302: *Hammering Inspection Using Deep Learning: Analyzing Wavelet-Transformed Images from Vibration Data*

Authors	Shogo Kihara (Shibaura Insutitute of Technology, Japan); Chinthaka Premachandra, Tomoki Furusawa, Myuji Takizawa, Shinji Hashimura and Naoki Hosoya (Shibaura Institute of Technology, Japan)
Paper title	*Hammering Inspection Using Deep Learning: Analyzing Wavelet-Transformed Images from Vibration Data*

#19 1571078328: *A Design of Hand Gestures for Softening Finger Base in Exergame System for Tenosynovitis Prevention*

Authors	Yanqi Xiao, Nobuo Funabiki, Irin Tri Anggraini and Haruya Fujiwara (Okayama University, Japan); Jun-You Liu and Chih-Peng Fan (National Chung Hsing University, Taiwan)
Paper title	*A Design of Hand Gestures for Softening Finger Base in Exergame System for Tenosynovitis Prevention*

#20 1571078346: *GS-Transformer: A Lightweight Transformer Model for Real-Time HAR on Edge Devices*

Authors	Hyesun Jeong (Pusan National University, Korea (South)); Taegu Kim (Pusan National University & Embedded System, Korea (South)); Yunju Baek and Kihun Shin (Pusan National University, Korea (South))
Paper title	*GS-Transformer: A Lightweight Transformer Model for Real-Time HAR on Edge Devices*

Session 1B, 11:00 in room **CB11.B2.102**

Oral Presentations

#26 1571079952: *Analysing Public Perception and Acceptance of Wearable Health Sensors Using Natural Language Processing*

Authors	Rajesh Ittamalla (IIT Hyderabad, India)
Paper title	*Analysing Public Perception and Acceptance of Wearable Health Sensors Using Natural Language Processing*

#72 1571097498: *Security and Privacy in Federated Process Mining*

Authors	Eman Shaikh (University of Ulster, United Kingdom (Great Britain)); Nazeeruddin Mohammad (Prince Mohammad Bin Fahd University, Saudi Arabia); Sally I McClean (Ulster University, Jordanstown, United Kingdom (Great Britain)); Zeeshan Tariq (Ulster University & BTIIC, United Kingdom (Great Britain))
Paper title	*Security and Privacy in Federated Process Mining*

#28 1571082533: *Reliability Analysis and Evaluation of PLC's Functional Diagrams*

Authors	Amin Al Ka'bi (Australian University - Kuwait, Kuwait)
Paper title	*Reliability Analysis and Evaluation of PLC's Functional Diagrams*

Session 2A, 12:00 in room **CB11.00.401**

Online Session

#37 1571086456: *A Study on Physiological Data Collection and Validation in Emotion Recognition*

Authors	SeungYoon Nam, Chanki Park, John Lorenzo Bautista and HyunSoon Shin (Electronics and Telecommunications Research Institute, Korea (South))
Paper title	*A Study on Physiological Data Collection and Validation in Emotion Recognitio*

#7 1571047369: *Comparison of Google Translate and the Other Translation Machine to Translate Japanese Language*

Authors	Bryan Jonatan (BINUS University Alam Sutera, Indonesia); Vinsensius Justhin (Binus University, Indonesia); Sonya R. Manalu (Bina Nusantara University, Jakarta, Indonesia); Hafizh Ash Shiddiqi (Bina Nusantara University, Indonesia)
Paper title	*Comparison of Google Translate and the Other Translation Machine to Translate Japanese Language*

#39 1571089041: *Harnessing Consumer Smartwatches for Heart Rate Streaming in Unity Game Engine*

Authors	Zilu Liang (Kyoto University of Advanced Science, Japan & The University of Tokyo, Japan)
Paper title	*Harnessing Consumer Smartwatches for Heart Rate Streaming in Unity Game Engine*

Session 2, 12:00 in room **CB11.B2.103**

Online Presentations

#42 1571089496: *CLOUDS: Seamless Mood Tracking on the Wrist*

Authors	Hamzah Ahmed (Kyoto University of Advanced Science, Japan); Zilu Liang (Kyoto University of Advanced Science, Japan & The University of Tokyo, Japan)
Paper title	*CLOUDS: Seamless Mood Tracking on the Wrist*

#2 1571016511: *Consumer Quality Preferences: Parameters to Accelerate Bell Pepper Imaging and Classification Technology*

Authors	Christian Joel C. Lazo, Emmanuel P. Jerusalem and Gabriel Angelo C Coñejos (Polytechnic University of the Philippines, Philippines); John Ace B. Malabanan (Polytechnic University of the Philippines - Manila, Philippines); Marianito P Gallego, Jr. (Polytechnic University of the Philippines, Philippines)
Paper title	*Consumer Quality Preferences: Parameters to Accelerate Bell Pepper Imaging and Classification Technology*

#66 1571097094: *A Review on API Security Risk and Vulnerability Assessment*

Authors	Kiran Dangol, Sridharan Kothandapani, Rohit Mahat, Shweta Shweta, Arman Roohi and Saman Shojae Chaeikar (Sydney International School of Technology and Commerce, Australia)
Paper title	*A Review on API Security Risk and Vulnerability Assessment*

Session 3A, 14:00 in room **CB11.B2.101**

Oral Presentations

TCE-2024-10-3166 - System Calibration of Visible-Spectrum Gaze Tracker with Linear Models; jungkao@ntnu.edu.tw, jungkao@gapps.ntnu.edu.tw; Prof Wen Chung Kao;

#18 1571078318: *A GraphQL-Based API Gateway for the IoT*

Authors	Naoki Kawamoto (Toyo University, Japan); Takeshi Yashiro (Toyo University & YRP Ubiquitous Networking Laboratory, Japan)
Paper title	*A GraphQL-Based API Gateway for the IoT*

#25 1571079608: *An Extension of Handgrip Exergame System for Hypertension Improvement with Two-Hand Gestures*

Authors	Irin Tri Anggraini, Yanqi Xiao and Nobuo Funabiki (Okayama University, Japan); Jun-You Liu and Chih-Peng Fan (National Chung Hsing University, Taiwan); Wen-Chung Kao (National Taiwan Normal University, Taiwan)
Paper title	*An Extension of Handgrip Exergame System for Hypertension Improvement with Two-Hand Gestures*

Session 3B, 14:00 in room **CB11.B2.102**

Oral Presentations

#31 1571084336: *Online Deep Squat Evaluation: Leveraging Subject-Specific Adaptation and Information Retention*

Authors	Sara Sardari (Deakin University, Australia & Coventry University, United Kingdom (Great Britain)); Bahareh Nakisa (Deakin University, Australia); Sara Sharifzadeh (Swansea University, United Kingdom (Great Britain)); Alireza Daneshkhah (Emirates Aviation University, United Arab Emirates); Seng W Loke (Deakin University, Australia); Micheal Duncan (Coventry University, United Kingdom (Great Britain)); Matteo Crotti (University of Bergamo, Italy); Vasile Palade (Coventry University, United Kingdom (Great Britain))

TCE-2024-10-3098 - A hybrid deep learning model for Electricity Price Forecasting in renewable-dominated markets: The case of South Australia; vahe0003@flinders.edu.au; Ms. Vahedi

#6 1571036023: *Semiconductor Manufacturing Industry: Assessment, Challenges, and Future Trends*

Authors	Yasmin Musa (Motlow State Community College, USA); Khalid Tantawi (University of Tennessee at Chattanooga, USA); Maged Mikhail (Purdue University Northwest, USA); Jeffrey Ma (Saint Louis University, USA); Dalal Alharthi (The University of Arizona, USA)
Paper title	*Semiconductor Manufacturing Industry: Assessment, Challenges, and Future Trends*