

### Keynote Speakers, Theme-Based Speakers, Panels

#### Wednesday, November 27

10:20-11:20	Keynote Speaker <b>Getting ready for the age of Al: Developing self-regulated learners</b> Dragan Gašević
11:20-12:20	Panel-3 Learning Languages in "Smarter" Ways: Theory-Informed Utilization of Smart Technologies in Contextualized, Authentic, and Communicative Language Learning Lung-Hsiang WONG, Yun WEN, Vivian Wen-Chi WU, Yoshiko GODA & Ting-Chia HSU
13:20-14:00	Theme-Based Speaker  How to Better Understand the Collaborative Component in Computer-Supported  Collaborative Learning (CSCL): Current Landscape, Challenges and Future  Prospects  Johanna Pöysä-Tarhonen
15:20-16:50	Panel-2 Global Harwell' in an Examination-Driven Education System and an Excellence-Pursuing Society: Possible? How? Better with Digital Technologies? Fu-Yun YU, Tak-Wai CHAN, Sahana Murthy, Su Luan WONG, Wenli CHEN, Hyo-Jeong SO, & Hiroaki OGATA

#### Thursday, November 28

09:00-10:00	Keynote Speaker  Critical Virtual Exchange for Critical Global Citizenship Education  Mirjam Hauck
10:20-11:00	Theme-Based Speakers In search of Intelligent Pedagogical Content Knowledge (IPACK) Ching Sing Chai Multi-Modal Learning Analytics for Learning Design Wenli Chen
11:00-12:00	Panel-1 <b>Digital Technology for Inclusive and Equitable Quality Education</b> Weigin CHEN, Jon MASON, Faisal BADAR, Shitanshu MISHRA &  Maria Mercedes T. RODRIGO
13:00-14:00	Keynote Speaker  Learning from Generative AI for Cognitive and Pedagogical Advancement  Michelle Banawan

Ī		Keynote Speaker	
١	09:00-10:00	Personalized Gamification Experiences: From Design to Impact	
١		Seiji Isotani	



## C1: ICCE Sub-Conference on Artificial Intelligence in Education/Intelligent Tutoring System (AIED/ITS) and Adaptive Learning

#### Wednesday, November 27

wednesday, November 27		
11:20-12:20	AIED/ITS-1	
58F BSPN	The Impact of Instructional Videos Supported by AI-driven Tutoring System on EFL Listening and Speaking  Xiangyu TAN and Xiuyuan ZUO	
137F	LLM-Generated Personalized Analogies to Foster Al Literacy in Adult Novices Chen CAO, Eason CHEN, Zoe Xiao FANG, Lydia CAO, Jionghao LIN, and Ruizhe LI	
14:00-15:00	AIED/ITS-2	
138	UniSpLLM: An Integrated Approach for Enhancing Reasoning and Education with Large Language Models Hanyu ZHAO, Yuzhuo WU, Yang YU, Liangyu CHEN, and Xiaohua YU	
1068	Availability and Effectiveness of Generative AI for Web-based Investigate Learning  Yutaka WATANABE and Akihiro KASHIHARA	
1228	Developing a LLMs-driven System Based on Human-Al Progressive Code Generation Framework to Assist Mathematics Learning Chun Yan Enoch SIT, Yin YANG, Wing Kei YEUNG, and Siu Cheung KONG	
15:20-16:50	AIED/ITS-3	
175F	Evaluating the Performance of Copula based Item Response Theory Models for Interpretable Assessment Eduardo GUZMÁN and Eva MILLAN	
80\$	Enhancing Diversity in Difficulty-Controllable Question Generation for Reading Comprehension via Extended T5 Teruyoshi GOTO, Yuto TOMIKAWA, and Masaki UTO	
190\$	The Effect of Feature Reliability on the Generalization of Machine Learning Models in Educational Data  Yingbin ZHANG	
258ES	Exploring High School Students' Transition from Traditional Search Engines to ChatGPT for Course learning: A Push-Pull-Mooring Model Perspective Chien-Liang LIN, Chih-Yu YANG, Pei-Chi WU, Yu-Cheng LIN, and Chi-Heng LI	
266ES	Exploring Dialogue Patterns in Argumentation with Pre-set ChatGPT Personas  Seunmin EUN	



## C1: ICCE Sub-Conference on Artificial Intelligence in Education/Intelligent Tutoring System (AIED/ITS) and Adaptive Learning

### Thursday, November 28

11:00-12:00	AIED/ITS-4
94F BOPN	Predicting and Analyzing Students' Higher-Order Questions in Collaborative Problem-Solving Shan ZHANG, Toni EARLE-RANDELL, Qian SHEN, Anthony F. BOTELHO, Maya ISRAEL, Kristy Elizabeth BOYER, Collin F. LYNCH, and Eric WIEBE
120F BTDPN	Reflection Support System with Audience Robots for Presentation Practice Yuya KISHIMOTO and Tomoko KOJIRI
15:50-16:50	AIED/ITS-5
151F	Facilitating Holistic Evaluations with LLMs: Insights from Scenario-Based Experiments Toru ISHIDA, Tongxi LIU, Hailong WANG, and William CHEUNG
126\$	Is <b>Internal State Feedback in an E-learning Environment Acceptable to People?</b> Atsushi ASHIDA, Ryosuke KAWAMURA, Shizuka SHIRAI, Noriko TAKEMURA, Mehrasa ALIZADEH, Hideaki HAYASHI, and Hajime NAGAHARA
211ES	Integrating Explanations in Active Video Watching Raul Vincent LUMAPAS, Antonija MITROVIC, Matthias GALSTER, Sanna MALINEN, Jay HOLLAND, and Pasan PEIRIS

10:20-11:10	AIED/ITS-6
238ES	Personalized Comment Reviewing in Active Video Watching: Investigation of Learners' Cognitive Load Ehsan BOJNORDI, Antonija MITROVIC, Matthias GALSTER, Sanna MALINEN, and Jay HOLLAND
251ES	Al-Driven Feedback for Enhancing Students' Mathematical Problem-Solving: The ScaffoldiaMyMaths System Daner SUN and Jingyun WANG
259ES	A Study on High School Students' Continuance Intention to Use ChatGPT for Learning Assistance: An Exploration Based on Self-Determination Theory Chien-Liang LIN, Tian-Yun LIN, Shi-En LIN, and Yu-Chen LIN



## C2: ICCE Sub-Conference on Computer-supported Collaborative Learning (CSCL) and Learning Sciences

#### Wednesday, November 27

14:00-15:00	CSCL-1
31F	Unveiling the Interplay of Students' Epistemic Emotions and Knowledge Building Activities in Design Studios Alwyn Vwen Yen LEE, Chew Lee TEO, Aloysius ONG, and Katherine YUAN
144F BOPN, BSPN	MESHing Minds: Bridging the Gap Between Creativity and IoT Programming Through Collaborative Mixed Reality  Yusuke SAKABE, Emmanuel AYEDOUN, and Masataka TOKUMARU

#### **Thursday, November 28**

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14:00-15:30	CSCL-2
52\$	Students' Verbal Interaction Patterns in Computer-Supported Collaborative Learning: The Role of Individual Preparation Wenli CHEN, Lishan ZHENG, Mei-Yee Mavis HO, Qianru LYU, Hua HU, and Zirou LIN
88\$	Enhancing Social Learning in Active Video Watching  Ehsan BOJNORDI, Antonija MITROVIC, Matthias GALSTER, Sanna MALINEN, Jay HOLLAND, and  Negar MOHAMMADHASSAN
1248	Rethinking Trust in Human-Al Collaboration in the generative Al era Yijie LU and Bo Jiang
147S	Infrastructuring for Collective Cognitive Responsibility: A Case Study of a Student Collaboratory Design Chew Lee TEO, Aloysius ONG, Alwyn Vwen Yen LEE, Guangji YUAN, and Kennedy LOO
1485	Review of different assessment methods used by Online Inquiry-based learning systems Nitesh Kumar JHA, Plaban Kumar BHOWMIK, and Kaushal Kumar BHAGAT
200S	Investigating Secondary School Students' Academic Emotions in Data Science Learning Gaoxia Zhu, Chew Lee TEO, Katherine Guangji YUAN, Chin Lee KER, Aloysius ONG, and Alwyn Vwen Yen LEE

10:20-11:10	CSCL-3
	Online making-based learning at scale: Towards equity in STEM learning
185F	Deeksha GAUTAM, Aditi KOTHIYAL, Rashmi SHEORAN, Neha GARG, Adithi IYER, Ashutosh BHAKUNI,
	Jay THAKKAR, Jyothi KRISHNAN, and Manish JAIN
	Verbal Interaction Patterns in Online Collaborative Learning Design: Comparison of High Per-
998	forming and Low Performing Groups
	Wenli CHEN, Lishan ZHENG, Mei-Yee Mavis HO, Hua HU, and Qianru LYU



# C3: ICCE Sub-Conference on Advanced Learning Technologies (ALT), Learning Analytics and Digital Infrastructure

#### Wednesday, November 27

Wednesday, November 27	
11:20-12:20	ALT-1
64F	Proficiency modeling in junior high math: adapted cognitive statistical models to e-book learning contexts  Changhao LIANG, Kensuke TAKII, and Hiroaki OGATA
98F	An Embodied Projection Recognition System for Situated Learning to Enhance Learning Effectiveness and Self-Reflection Ability Hui-Ting LIU, Zi-Ting DING, Su-Hang YANG, Jian-Yu WU, Jen-Hang WANG, Po-Yao CHAO, Yung-Yu ZHUANG, and Gwo-Dong CHEN
14:00-15:00	ALT-2
196F BOPN	Combining multimodal analyses of students' emotional and cognitive states to understand their learning behaviors  Ashwin T S, Caitlin SNYDER, Celestine AKPANOKO, Srigowri M P, and Gautam BISWAS
1368	Development of Metacognitive Reflection Support System on Creative Discussion  Toshimasa SHIMIZU, Yuki HAYASHI, and Kazuhisa SETA
149\$	Utilization of Japanese Public Educational Data by Retrieval Augmented Generation for Policy Research  Kyosuke TAKAMI
15:20-16:50	ALT-3
97F	Analyzing Student Behavior in Viat-map: Steps and Time as Performance Indicators Banni Satria ANDOKO, Vivin Ayu LESTARI, Agung Nugroho PRAMUDHITA, Amalia NURAINI, Inda Khoirun NISAK, and Tsukasa HIRASHIMA
113F	Comparison of Learners' Self-direction Behavior Across Contexts and Phases  Junya ATAKE, Chia-Yu HSU, Huiyong LI, Izumi HORIKOSHI, Rwitajit MAJUMDAR, and Hiroaki OGATA
1315	Progressive Behavior Patterns of Online Discussion at Different Circle of Self-Regulated Learning Shih-Hua HUANG, De-Yu SHIAU, Yung-Sian FANG, and Ting-Chia HSU
1438	Forest/CR: Critical Paper Reading Support System Tomoya KII, Kazuhisa SETA, and Yuki HAYASHI



## C3: ICCE Sub-Conference on Advanced Learning Technologies (ALT), Learning Analytics and Digital Infrastructure

#### Thursday, November 28

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11:00-12:00	ALT-4
<b>4</b> S	Exploring the Relationship of Personality Domains and Visual Attention Patterns in Novice Programmers Caren PACOL, Maria Mercedes RODRIGO, and Christine Lourrine TABLATIN
35\$	Construction of a Japanese Language Learning Support System that Enables Word Accent Learning Satoru KOGURE, Kazuki TOMITA, Yasuhiro NOGUCHI, Koishi YAMASHITA, Tatsuhiro KONISHI, and Makoto KONDO
41\$	<b>Developing a feedback analytic tool to support instructor reflection</b> Feng LIN, Chenchen LI, Rebekah Wei Ying LIM, and Yew Hau LEE
1398	Effect of Re-composition Concept Mapping for Sharing Reference Maps on Serial Concept Mapping: A Preliminary Study Rian FITRIANSYAH, Harry Budi SANTOSO, Lia SADITA, Baginda Anggun Nan CENKA, Syifa NURHAYATI, Yusuke HAYASHI, and Tsukasa HIRASHIMA
14:00-15:30	ALT-5
48F BTDPN	Designing Recommendations for Productive Learning Habit-building from Learning Logs Chia-Yu HSU, Izumi HORIKOSHI, Huiyong LI, Rwitajit MAJUMDAR, and Hiroaki OGATA
101F	<b>Designing Interaction Scenario for Alleviating Persistence in Learning Strategies</b> So SASAKI and Akihiro KASHIHARA
166F	Enhancing Vocational Training Through Immersive Technology: A Study on Digital Magic Mirrors Jen-Hang WANG, Hung-Wei TSENG, Su-Hang YANG, Chih-Kai CHANG, Yung-Yu ZHUANG, and Gwo-Dong CHEN
1458	Facilitating Thinking Like a Historian in Open-ended Learning Space: A White Box Approach Aoi Matsuura, Yuki Hayashi and Kazuhisa Seta
15:50-16:50	ALT-6
918	Boosting Course Recommendation Explainability: A Knowledge Entity-Aware Model using Deep Learning Tianyuan YANG, Baofeng REN, Boxuan MA, Tianjia HE, Chenghao GU, and Shinichi KONOMI
1915	Error Tolerance in Automatic Short Answer Grading with Large Language Models: The Case of Handwriting Recognition Errors Ziqi TAN, Yingbin ZHANG, and Su MU
209ES	Identifying Key Indicators of Proficiency in Junior High Math : Roles of Daily Handwriting Learning Logs Yudai OKAYAMA, Changhao LIANG, Kensuke TAKII, and Hiroaki OGATA
267ES	Relationship Analysis Between Procrastination Behavior and Non-cognitive Abilities  Yasuhisa TAMURA and Keito MORINO



## C3: ICCE Sub-Conference on Advanced Learning Technologies (ALT), Learning Analytics and Digital Infrastructure

Friday, November 29		
10:20-12:00	ALT-7/8	
70F	Effectiveness of Information Organizing Activities After Lecture in Mathematics:  A Comparison between Kit-Build Concept Mapping and Structured Summary Writing  Lintang Matahari HASANI, Kasiyah JUNUS, Lia SADITA, Tsukasa HIRASHIMA, and Yusuke HAYASHI	
77F BSPN	Automated Recommendations for Revising Lecture Slides Using Reading Activity Data  Erwin Daniel LÓPEZ ZAPATA, Cheng TANG, Yuta TANIGUCHI, Fumiya OKUBO, and Atsushi SHIMADA	
40\$	Optimizing Causal Inference Approach for Exploring Shallow Reading Behavior with Generative Adversarial Networks Yu BAI, Fuzheng ZHAO, Wenhao WANG, and Chengjiu YIN	
60\$	Exploring Linguistic Sophistication of Discussion Board Posts in University Learning Management Systems Michelle P. BANAWAN, Clarence James MONTEROZO, and Maria Mercedes T. RODRIGO	
227ES	Toward Contextualized Handwriting Process Analysis: Comparison between Problem  Types in Math  Shunsuke TONOSAKI, Taito KANO, Satomi HAMADA, Izumi HORIKOSHI, and Hiroaki OGATA	
13:00-14:00	ALT-9	
9S	Code Tracing Support Environment Based on Visualization of Cooperative Behavior of Multiple-Flows  Yasuhiro NOGUCHI, Kotaro SUNAMA, Satoru KOGURE, Raiya YAMAMOTO, Koichi YAMASHITA, and Tatsuhiro KONISHI	
90\$	Peer Feedback Feature Analysis with Large Language Models: An Exploratory Study Qianru LYU, Zirou LIN, and Wenli CHEN	
214ES	Relationship Between Students' Scores of Weekly Tests and Final Exam Satomi HAMADA, Izumi HORIKOSHI, and Hiroaki OGATA	
218ES	Exploring reading speed profiles in EFL extensive reading Hatsune ICHIDATE, Yiling DAI, Brendan FLANAGAN, and Hiroaki OGATA	



### C4: ICCE Sub-Conference on Technology Enhanced Learning for Mobility of Learners and Learning Experiences (TEML)

formerly known as Classroom, Ubiquitous and Mobile Technology-Enhanced Learning (CUMTEL)

#### Wednesday, November 27

11:20-12:20	TEML-1
71F BSPN	Linking Real-World Experiences with Course Contents: A Text Mining Approach Toward Effective "There and Back Again" Manabu ISHIHARA, Izumi HORIKOSHI, and Hiroaki OGATA
	Marrying Physical and Virtual Realms: An Embodied, Multi-Modal Approach to Situational
75F	Learning in Digital Reality
BTDPN	Vando Gusti AL HAKIM, Yao-En CHEN, Meng-Heng LIN, Chia-Ying CHANG, Jen-Hang WANG,
	Chih-Kai CHANG, Yungyu ZHUANG, Su-Hang YANG, and Gwo-Dong CHEN

#### **Thursday, November 28**

11:00-12:00	TEML-2
132F	Classifying Self-Reflection Notes: Automation Approaches for GOAL system Zixu WANG, Chia-Yu HSU, Izumi HORIKOSHI, Huiyong LI, Rwitajit MAJUMDAR, and Hiroaki OGATA
50\$	Using Educational VR Systems to Promote Inquiry-Based Learning in Natural Science Shu-Ying TSAI, Zhi-Hong CHEN, and Min-Hsuan WENG
135S	Generative Artificial Intelligence in Education: Evaluating Students' Self-efficacy and Utilization in their Homework Elanie VIZCONDE, Ma. Rowena CAGUIAT, and Ethel ONG

10:20-12:00	TEML-3/4
51F BOPN	Low vs. high immersion in Metaverse-based learning: How pre-service teachers balanced between instruction and assessment in learning design  Darmawansah DARMAWANSAH, Dani PUSPITASARI, and Gwo-Jen HWANG
160\$	Participatory Design of an Al Digital Textbook with Deaf and Hard-of-Hearing Students Ga Young LEE, Jieun CHOI, Seonhee NA, and Hyo-Jeong SO
1615	Technology Considerations in Building Virtual Educational Avatars  Antun DROBNJAK and Ivica BOTICKI
1948	Data-driven Peer Recommendation and Its Applications in Extracurricular Learning Peixuan JIANG, Changhao LIANG, and Hiroaki OGATA



### C5: ICCE Sub-Conference on Educational Gamification and Game-based Learning (EGG)

#### Wednesday, November 27

15:50-16:50	EGG-1
16F BSPN	Design and Evaluation of the Usability of a Game-based Learning Application for Learners with Dyslexia  Vincent GARCIA, Arnel OCAY, Joshua PERADILLA, Mary Rose SAGUIPED, and Myla Karen ARENAS
72F	Comparing Effects of Adaptive Gamification and One-size-fits-all Gamification on Students' Task Completion Process and Learning Performance Shurui BAI and Yingxue LIU
162F BOPN	<b>Dialogue Game-based Learning for AI Ethics Education</b> Hyo-Jeong SO and Sung-Eun KIM
1258	Detecting Off-task Behavior of Learners in Minecraft Using Exploration and Personalized Features Maricel A. ESCLAMADO and Maria Mercedes T. RODRIGO

#### Thursday, November 28

14:00-15:30	EGG-2
65F BTDPN	A Robot-assisted Scenario Training for Students with ASD Ka Yan FUNG, Kwong Chiu FUNG, Tze Leung Rick LUI, Feifan PANG, Huamin QU, Shenghui SONG, and Kuen Fung SIN
103F	Exploring the Impact of Incorporating Digital Escape Room on Learners' Performance and Motivation in Environmental Sustainability Education  Yu-Chao LAI and Jie-Chi YANG
1338	Middle School Students' Ability to Detect Lies When Interacting with an Educational Al Robot Ahmed SALEM and Kaoru SUMI

13:00-14:00	EGG-3
73\$	FLOU: Evaluating the Intrinsic Motivation of Learners in Gamifying Academic Programs through a Gamified Mobile Application  Ma. Louisa PEREZ, Marl Vincent AGRAVANTE, Jeru Kian FERNANDEZ, and Joshua MARTINEZ
16 <b>4</b> \$	Designing an Educational Game for Facilitating Development of Media and Information Literacy Jun XIE, Xiang LI, Kotomi HASEGAWA, Zhichun LIU, and Frank REICHERT
262ES	Developing a Visualized Data Guessing Game to Assess Data Literacy Ruei-Yi XIE and Ming-Chi LIU



### C6: ICCE Sub-Conference on Technology Enhanced Language Learning (TELL)

#### Wednesday, November 27

14:00-15:00	TELL-1
123F BSPN	TAMMY: Supporting EFL Translation Practice With an LLM-Powered Chatbot Steve WOOLLASTON, Brendan FLANAGAN, Patrick OCHEJA, Yiling DAI, and Hiroaki OGATA
172F BTDPN	Impact of Online Video Dubbing Activities on Grade 5 Students' Pronunciation, Accuracy, and Fluency in English Speaking: An Experimental Research  Min XIE and Alex Wing Cheung TSE

#### Thursday, November 28

15:50-16:50	TELL-2
158F BOPN	Open Knowledge and Learner Model: Mathematical Representation and Applications as Learning Support Foundation in EFL Kensuke TAKII, Changhao LIANG, and Hiroaki OGATA
148	Enhancing Chinese Language Education through AI-Assisted Project-Based Learning: A Qualitative Study on Learning Values and Multimedia Skills Development Satoko SUGIE
1128	Examining Augmented Reality's Influence on Pronunciation Training: Insights from PinyinGuo's Application and Comparative Avatar Testing  Daria SINYAGOVSKAYA

11:10-12:00	TELL-3
1158	Improve English Pronunciation at Word Level for Thai EFL Learners in Southern Region using End-to-End Automatic Speech Recognition Nattapol KRITSUTHIKUL, Kongpop BOONMA, Jirapond MUANGPRATHUB, Wasan Na CHAI, and Thepchai SUPNITHI
128\$	Investigation on the Usage Status of a Support System for Writing English Paragraph Outlines in English Classes Afifah ILHAM, Tomohiro KUROKI, Akira NAKANO, and Hidenobu KUNICHIKA
152S	Mapping Morphological Patterns: A Framework for Rinconada Bikol Language Morphological Analysis and Stemming Tiffany Lyn PANDES and Joshua MARTINEZ
13:00-14:00	TELL-4
157S	The Effect of LINE Chatbot with Escape Game Design on English Learning Achievement, Situational Interest, and Student Engagement Elva Yi Fang LO and Jerry Chih-Yuan SUN
184S	Development of a Chatbot and Evaluation of its Effects on Learning and Intrinsic Motivation of a Public Secondary School's Spanish Language Learners Julian Eymard JANUBAS, Josiah Jose DEYSOLONG, Hanz Lucas ESTOPIA, Karl Mykell TABBAY, and Jun Rangie OBISPO
186\$	Enhancing Language Learning through Multimodal Al-Driven Feedback on Picture  Descriptions: An Eye-Tracking Study  Ruibin ZHAO, Zhiwei XIE, Yipeng ZHUANG, Huixian LI, and Philip L.H. YU



## C7: ICCE Sub-Conference on Practice-driven Research, Teacher Professional Development and Policy of ICT in Education (PTP)

#### Wednesday, November 27

<b>/</b> ·	November 27
11:20-12:20	PTP-1
24F	Do Academic Stress and Risk Propensity Affect Behavioral Intention to Use ChatGPT among University Students?  Brylle SAMSON, Ronnie LURIAGA, and Ryan EBARDO
53F	Who is a good computational thinker? Mapping Behavioral Dispositions of Middle-School Children Based on Real-Life, Algorithmic Tasks Shashaank PINNAMARAJU, Lazar TONY, and Anveshna SRIVASTAVA
15:20-16:50	PTP-2
61F BOPN	Representing Learning Progression of Unguided Exercise Solving: A Generalization of Wheel-Spinning Detection  Taisei YAMAUCHI, H. Ulrich HOPPE, Yiling DAI, Brendan FLANAGAN, and Hiroaki OGATA
6\$	Factors Contributing to the Negative Online Learning Academic Self-Concept of College Students Rex BRINGULA, Edmon TORRES, Roman Paulo BAET, Ralph Lawrence GARCIA, Franchesca Mari MORALES, Jan Carlo RAMOS, and Hanna Sophia SARMIENTO
7S	Teachers' Perspectives on Integrating AI tools in Classrooms: Insights from the Philippines Vanessa SIBUG, Vicky VITAL, John Paul MIRANDA, Emerson FERNANDO, Almer GAMBOA, Hilene HERNANDEZ, Joseph Alexander BANSIL, Elmer PENECILLA, and Dina GONZALES
108	Research on the Dual-Pathway Impact of Artificial Intelligence Technology on Teachers' Human-Machine Collaboration Yujie XU and Yiling HU
30S	<b>Does Learning Interest Predict Academic Performance in an Interest-driven HyFlex Course</b> Liang Jing TEH, Su Luan WONG, Mohd Zariat ABDUL RANI, Mas Nida MD KHAMBARI, and Sai Hong TANG



### C7: ICCE Sub-Conference on Practice-driven Research, Teacher Professional Development and Policy of ICT in Education (PTP)

Thursday, No	ovember 28
11:00-12:00	PTP-3
198	Using a Teaching Framework to Identify Resilient and Persistent Teaching Practices During the Pandemic  Ma. Monica MORENO, Johanna Marion TORRES, Timothy Jireh GASPAR, Jenilyn CASANO, and Maria Mercedes RODRIGO
928	Evaluating the Effectiveness of a Professional Development Course on Artificial Intelligence Literacy for Administrative Staff in Higher Education Siu Cheung KONG, Zoe Wai Sum MAK, Yue WU, and Yin YANG
140S	From textbooks to classroom implementation: Experience report of middle school science teachers' pedagogy for activity-based learning  Zun Phoo MO, Sunny Prakash PRAJAPATI, Sheeja VASUDEVAN, and Sahana MURTHY
1558	Appropriating Al-powered Pedagogical Affordances for Vocabulary Learning Xinyu GUO and Yun WEN
14:00-15:30	PTP-4
ll4F BTDPN	Extraction of Important Characteristics for Data-informed Guidance and Counseling from Daily Usage Log Data  Junya ATAKE, Chia-Yu HSU, Izumi HORIKOSHI, and Hiroaki OGATA
146F	Driving Informed EdTech Quality Decision-making: A Research-Practice Partnership-Based Solution For Diverse Stakeholders' Needs Ishika ISHIKA, Angelina Susan PHILIP, Sheeja VASUDEVAN, and Sahana MURTHY
208	Determinants of ChatGPT Adoption in Academe & Other Fields – A Review on Theoretical Perspective Gerand Boy ELINZANO and Michelle Renee CHING
1718	Exploring the Entanglement between Technology and Pedagogy: A Case Study of Knowledge Building  Yee Yin Tan, Seng Chee TAN, and Chew Lee TEO
15:50-16:50	PTP-5
958	<b>Determinants of ICT Competency Among Public School Teachers in Bukidnon</b> Gladys AYUNAR, Nathalie Joy CASILDO, May Marie TALANDRON-FELIPE, Kent Levi BONIFACIO, Jinky MARCELO, and Fe SEBUGUERO
226ES	Preliminary Exploration on the Dimensions of Digital Learning Agility among Teachers in Malaysia Nur Dania MOHD ROSLI, Kamilah ABDULLAH, Mas Nida MD KHAMBARI, Su Luan WONG, Noor Syamilah ZAKARIA, Priscilla MOSES, and Nur Aira ABDRAHIM
228ES	Analysis of Factors Influencing Teacher Behavioural Engagement in Distance Training Based on MOA and SDT  Zhou JIN
257ES	The Impact of AI Literacy on Teacher Efficacy and Identity: A Study of Korean English Teachers Seunmin EUN



### C7: ICCE Sub-Conference on Practice-driven Research, Teacher Professional Development and Policy of ICT in Education (PTP)

11:00-12:00	PTP-6
183F	Constructing desirable learning habits: Evidence from an Instructional System Design course based on the IDC theory  Anveshna SRIVASTAVA, Sandeep YADAV, Sahana MURTHY, and Sridhar IYER
188F BSPN	The Impact of Using an Online Collaborative Platform in Blended Learning on Postsecondary Vocational School Year One Students' Self-Regulated Learning Abilities: a Quasi-Experimental Research  Siyou WU and Alex Wing Cheung TSE



### **Poster Session 1**

Wednesday, November 27 16:50–17:50

	AIED/ITS
47P	Image-Based Pili (Canarium ovatum, Engl.) Fruit Variety Classifier App: An Approach to Enhancing Teaching Biodiversity and Crop Science
	Leo Constantine BELLO and Joshua MARTI
54P	Authorship Forensics Portal Robert SCHMIDT, Maiga CHANG, Hsiang-Han CHENG, Greg FREDIN, Kevin HAGHIGHAT, and Rita KUO
55P	Designing learner-centered collaborative learning by incorporating Al-based teacher/learner agents with a cognitive model  Yugo HAYASHI, Shigen SHIMOJO, and Tatsuyuki KAWAMURA
59P	Student Perceptions of Using Generative Al-driven Chatbot in Learning Programming  Ean Teng KHOR, Leta CHAN, Elizabeth KOH, and Peter SEOW
	ALT
12P	Towards the Development of PIA 2.0: A Pedagogical Agent that Exhibits Synthetic Facial Expressions John Lorenz DELA CRUZ, Paulyn Joy DELA CRUZ, Joyce Antonette GUADALUPE, Jiabianca MACARAEG, Piolo Jose MONTESA, Mark Paul RAMOS, and Rex BRINGULA
32P	Early Detection of At-Risk Students through Learning-Activity Forecasting  Yuya Ozaki, Daisuke Deguchi, Haruya Kyutoku and Hiroshi Murase
165P	What Insights Are Gained from Students' Trace Data in Homework?
	Satomi Hamada, Yuko Toyokawa, Taito Kano, Izumi Horikoshi and Hiroaki Ogata
	TEML  A TPB-TAM Approach to Identifying Adoption Factors of Hyflex among Educators
36P	Elanie VIZCONDE, Joshua ISAGUIRRE, Gabriel Luis LIWANAG, and Ryan EBARDO
111P	Designing Interactive Mathematical Teaching Tools for Tablet-Based Learning: Enhancing Student Engagement and Tactile Exploration
	Loong-Chuan LEE, Chia-Ying LIN, Yu-Han TAN, and Kuo-Yu LIU  TELL
	I ELL Implementation and an Evaluation of a Search Function Allowing Misspelling for a Japanese
127P	Learning System Hidenobu KUNICHIKA and Miguel Antonio VILLALOBOS ZUNIGA
	PTP
2P	An Experience Sampling Study of Student Emotional Life: Preliminary Results  Maria Mercedes T. RODRIGO, Liane Peña ALAMPAY, Queena N. LEE-CHUA, and Irish Danielle MORALES
3P	Theory-driven Design for the Development of a Student-Centered Error-correction Online Learning System  Fu-Yun YU
	Contextual factors affecting large-scale educational technology implementation: policy intention
62P	versus practice Arjun PRASAD, Jayakrishnan WARRIEM, and Sridhar IYER
	WIPP
216WIPP	Support System for Focused Discussion in Consensus Building for Team Sports  Kazuma KUWADA and Tomoko KOJIRI
222WIPP	Understanding Collaborative Teacher Growth from the Lens of Digital Learning Agility: A Pathway to Educational Excellence
	Kamilah ABDULLAH, Mas Nida MD KHAMBARI, Su Luan WONG, Noor Syamilah ZAKARIA, Nur Dania MOHD ROSLI, Priscilla MOSES, and Nur Aira ABD RAHIM
39WIPP	Online Educational Game for Realistic Interior Design with Design Thinking Process and Multidimensional Scaffolding
247WIPP	Chou-Pai YEOH and Huei Tse HOU  Microlearning strategy in ICT education  Kotaro TORII
50WIPP	What do Students Say About ChatGPT? A Topic Modeling Analysis of Perception on GenAl in Academic Writing
.500011	Lingxi JIN, Kyuwon KIM, Hyo-Jeong SO, and Ga Young LEE  Concretive Aland XP in Education: Student Co-Created Metaverse Worlds in an International Virtual Evolune
65WIPP	Generative AI and XR in Education: Student Co-Created Metaverse Worlds in an International Virtual Exchanç Masako HAYASHI
	SATELUC
202SAT	Practical Skills Acquisition in Domestic Wiring as Determinants of Entrepreneurship Development among Undergraduate Students In Nigeria  Ismaheel Adewale BADRU
207SAT	Transforming Education in Timor-Leste: The Role of e-Learning and Artificial Intelligence in Boosting Student Achievements Estanislau Sousa SALDANHA, Edio DA COSTA, Aderita Mariana TAKELEB, Salustiano DOS ROEIS PIEDADE,
200047	and Carla Alexandra DA COSTA  Learning with Virtual Avatars: Insights into Performance and Resource Needs
208SAT 	Antun DROBNJAK and Ivica BOTICKI  MS Teams acceptance factors among Polish and Ukrainian students
225SAT	Nataliia DEMESHKANT, Sławomir TRUSZ, Tetiana MATUSEVYCH, and Amy SEPIÓŁ  Boosting Literacy with an Educational RPG For Polytechnic Students  Aguna RRAMUDUITA Butari MANANCL and Banni ANDOKO
230SAT	Agung PRAMUDHITA, Puteri MAWANGI, and Banni ANDOKO  Development of the Board Game 'Career Champion': Gamification for Understanding Job Interview Preparation of Angga PRIBADI, Eng. Banni Satria ANDOKO, and Erina SEVIYANTI
232SAT	Al Tools Experience in Civitas Academic Portal in Timor Leste  Agostinho Dos Santos GONÇALVES, Sebastião PEREIRA, and Saida ULFA
233SAT	Al Literacy among Lecturers in University: A Case Study in a Private University in Timor Leste  Agustinho Dos Santos GONCALVES, Jacinto DE OLIVEIRA JUNIOR, Natalino Pereira PARADA, and Saida ULFA
235SAT	Tridharma-Based Lecturer Performance Assessment System Using the Saw Method  Anita GUTERRES, Delfim DA SILVA, Antonio GUTERRES, and Joaquim DE JESUS VAZ
252SAT	AI as a Co-Teacher: Enhancing Creative Thinking in Underserved Areas  Roberto ARAYA
268SAT	Global Trends in Computational Thinking in Curricula: A Comparative Review  Martha Nury BONILLA-CASTAÑEDA, Klinge Orlando VILLALBA-CONDORI, Hector CARDONA-REYES,  Claudia Acra-DESPRADEL, and Kee-Fui TURNER-LAM



### **Poster Session 2**

### Thursday, November 28 16:50–17:50

16:50-17:	
	AIED/ITS
66P	Quality Criteria Acquisition Support System of a Product by Explaining It with Components  Kota KUNORI and Tomoko KOJIRI
74P	Exploring Explainable Artificial Intelligence in Active Video Watching Raul Vincent LUMAPAS, Antonija MITROVIC, Matthias GALSTER, and Sanna MALINEN
87P	A Proposal of Quality Assurance Programming Exercise Nobuya ISHIHARA, Samsul HUDA, and Yasuyuki Nogami
89P	Enhancing Engagement in Distance Learning: Overcoming Learner Isolation through ICT Tools  Kumiko AOKI, Itaru KANEKO, Ken KURIYAMA, Takeo TATSUMI, and Takahiro MIYAJIMA
96P	Scaffolding Students' Ill-structured Problem Solving Via LLM Multi-armed Bandit Problem as a Case  Jiayi LIU and Bo JIANG
102P	Navigating Europe's Artificial Intelligence Act: Application of LLMs in classrooms
1400	Upasana DASGUPTA and Rwitajit MAJUMDAR  Learning Support Environment with Fill-in-Blank Exercise Based on Program Visualization System  Keichi VAMASUUTA Shares SUZUKI Sestem KOSUBE Versubire NOSUGUI Being VAMANOTO Testeubire KONSUU
142P	Koichi YAMASHITA, Shuya SUZUKI, Satoru KOGURE, Yasuhiro NOGUCHI, Raiya YAMAMOTO, Tatsuhiro KONISHI, and Yukihiro ITOH
	CSCL
38P	Pyzzles: Towards the design of a Zugzwang-inspired Learning Tool for Novice programmers and its effect on Debugging Skills and Self-Perceived Debugging Confidence  Elijah Justin CALLANTA
195P	BioAnalogica: Designing SBF-Based Analogical Stories to Enhance Understanding of Complex Biological Processes Meera PAWAR, Sheeja VASUDEVAN, and Sahana MURTHY
198P	Challenging the Eye-Mind Link Hypothesis: Visualizing Gazes For Each Programming Problem  Michael T. LOPEZ II
	ALT
49P	Program Learning Support System with Visualization Reflecting Teacher's Intent for Learner's Code Kenzo KOBAYASHI, Satoru KOGURE, Yasuhiro NOGUCHI, Raiya YAMAMOTO, Koichi YAMASHITA, Tatsuhiro KONISHI, and Yukihiro ITOH
154P	Development of Annotation System for Learning from Others in Public Space Design using Extended Reality Toshiki MUGURUMA, Yusuke YAGI, Yusuke KOMETANI, Saerom LEE, Naka GOTODA, and Rihito YAEGASHI
156P	Development of Labourer Digital Twin Generation and Visualization Function for Hazard Prediction in Off-site Training Kaito MINOHARA, Toshiki MUGURUMA, Yusuke KOMETANI, Naka GOTODA, Saerom LEE, Ryo KANDA, Shotaro IRIE, and Toru HARAI
176P	HyCode: A Code Similarity Assessment Tool Utilizing Reccurent Neural Networks James ABAWAG, Aleczia TORDILLA, and Joshua MARTINEZ
178P	Empowering Educational Researchers with a Privacy-Centric Data Platform: Design, Implementation, and Implications  Isanka WIJERATHNE, Brendan FLANAGAN, and Hiroaki OGATA
199P	Exploring the relationship between assignment submission behavior and final grade of information literacy education using big data  Yuki OE, Etsuko KUMAMOTO, Huiyong LI, and Chengjiu YIN
	EGG
5P	Exploring the Effects of Leaderboards on an Online Professional Development Course for Teachers
170P	Aime Michelle LAZARO and Marlene DE LEON  Game-Based College English Translation Instructional Design Based on Representational Redescription Model:  Implicit Knowledge Transformed into Explicit Knowledge
	Xinyu JIANG, Mengya CHEN, and Lu HUANG
	PTP Online Student Testlet-generation as an Innovation Approach to Student-Created Assessment:
ПР	Its Learning Effects Fu-Yun YU and Ya-Shin CHANG
110P	Al and Data Science Literacy Framework for Educators Nurul Amelina NASHARUDDIN, Nurfadhlina MOHD SHAREF, and Mohd Khaizer OMAR
138P	Challenges to Augmenting Literacy in the Digital Environment Khalid KHAN and Jon MASON
169P	Unboxing Learner Engagement in an Online SEL for Teachers Course on FramerSpace Hritik GUPTA, Nandini CHATTERJEE, and Shitanshu MISHRA
	WIPP
221WIPP	Influence of Telepresence Robot on Discussion in Hybrid Classes Hiroaki ARUGA and Akihiro KASHIHARA
234WIPP	Proposal for Simulation Environment to Support Understanding of Tactical Positioning Yuki OHTSUKA and Tomoko KOJIRI
240WIPP	An online MMORPG card game based on multi-dimensional scaffolding to develop reading comprehension and contextual problem-solving skills Cheng-Tai LI, Chou-Pai YEOH, Yu-Chi CHEN, Hung-Yu CHAN, Yun-Chien CHUANG, Yu-Jen LIN, Min-Hsiong HONG, and Huei Tse HOU
249WIPP	Instructors' perceptions and use of feedback dashboard Feng LIN and Rebekah Wei Ying LIM
255WIPP	Exploring Student Emotion via Facial Expressions using Transfer Learning Tita HERRADURA, Merlin Teodosia SUAREZ, and Macario CORDEL II
263WIPP	The Effect of Stimulus Concurrence on Memorizing Constellations in VR Nicko CALUYA, Eiji YAHARA, and Damon CHANDLER