

Keynote Speakers, Theme-Based Speakers, Panels

Wednesday, November 27

10:20-11:20	Keynote Speaker Getting Ready for the Age of Al: Developing Self-Regulated Learners Dragan GAŠEVIĆ
11:20-12:20	Panel-3 Learning Languages in "Smarter" Ways: Theory-Informed Utilization of Smart Technologies in Contextualized, Authentic & 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 Digital Technology for Inclusive and Equitable Quality Education Weiqin 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

	Keynote Speaker	
09:00-10:00	Personalized Gamification Experiences: From Design to Impact	
	Seiji ISOTANI	



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

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 & Xiuyuan ZUO
137F	LLM-Generated Personalized Analogies to Foster Al Literacy in Adult Novices Cassie Chen CAO, Eason CHEN, Zoe FANG, Lydia Y CAO, Jionghao LIN & 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, Xiaohua YU & Liangyu CHEN
106S	Availability and Effectiveness of Generative AI for Web-Based Investigative Learning Yutaka WATANABE & Akihiro KASHIHARA
122S	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 & 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 & Eva MILLÁN
80S	Enhancing Diversity in Difficulty-Controllable Question Generation for Reading Comprehension via Extended T5 Teruyoshi GOTO, Yuto TOMIKAWA & Masaki UTO
1908	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 & Chi-Heng LI
266ES	Exploring Dialogue Patterns in Argumentation with Pre-Set ChatGPT Personas Seunmin EUN & Seonmin JIN



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 V. EARLE-RANDELL, Qian SHEN, Anthony F. BOTELHO, Maya ISRAEL, Kristy Elizabeth BOYER, Collin F. LYNCH & Eric WIEBE
120F BTDPN	Reflection Support System with Audience Robots for Presentation Practice Yuya KISHIMOTO & 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 & William K. CHEUNG
1268	Is Internal State Feedback in an E-Learning Environment Acceptable to People? Atsushi ASHIDA, Ryosuke KAWAMURA, Shizuka SHIRAI, Noriko TAKEMURA, Mehrasa ALIZADEH, Hideaki HAYASHI & Hajime NAGAHARA
211ES	Integrating Explanations in Active Video Watching Raul Vincent LUMAPAS, Antonija MITROVIC, Matthias GALSTER, Sanna MALINEN, Pasan PEIRIS & Jay HOLLAND

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 & Jay HOLLAND
251ES	AI-Driven Feedback for Enhancing Students' Mathematical Problem-Solving: The ScaffoldiaMyMaths System Daner SUN, Jingyun WANG, Lan YANG, Kee-lee CHOU, Zhixuan SONG & Zhizi ZHENG
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 & 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 & Katherine YUAN
144F BOPN, BSPN	MESHing Minds: Bridging the Gap Between Creativity and IoT Programming Through Collaborative Mixed Reality Yusuke SAKABE, Emmanuel AYEDOUN & Masataka TOKUMARU

Thursday, November 28

14:00-15:30	CSCL-2
528	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 & Zirou LIN
88\$	Enhancing Social Learning in Active Video Watching Ehsan BOJNORDI, Antonija MITROVIC, Matthias GALSTER, Sanna MALINEN, Jay HOLLAND & Negar MOHAMMADHASSAN
1248	Rethinking Trust in Human-Al Collaboration in the Generative Al Era Yijie LU & Bo JIANG
147S	Infrastructuring for Collective Cognitive Responsibility: A Case Study of Student Knowledge Building Design Studio Chew Lee TEO, Aloysius ONG, Alwyn LEE, Guangji YUAN & Kennedy LOO
148\$	Review of Different Assessment Methods Used by Online Inquiry-Based Learning Systems That Support Argumentation Nitesh Kumar JHA, Plaban Kumar BHOWMIK & Kaushal Kumar BHAGAT
200S	Investigating Secondary School Students' Academic Emotions in Data Science Learning Gaoxia ZHU, Chew Lee TEO, Guangji YUAN, Chin Lee KER, Aloysius ONG & 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 & 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 & 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 & 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 & 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 E. AKPANOKO, Srigowri M P & Gautam BISWAS
1368	Development of Metacognitive Reflection Support System on Creative Discussion Toshimasa SHIMIZU, Yuki HAYASHI & Kazuhisa SETA
1498	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 & Tsukasa HIRASHIMA
113F	Comparison of Learners' Self-Direction Behavior Across Contexts and Phases Junya ATAKE, Chia-Yu HSU, Huiyong LI, Izumi HORIKOSHI, Rwitajit MAJUMDAR & 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 & Ting-Chia HSU
143\$	Forest/CR: Critical Paper Reading Support System Tomoya KII, Kazuhisa SETA & 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
4\$	Exploring the Relationship of Personality Domains and Visual Attention Patterns in Novice Programmers Caren PACOL, Maria Mercedes RODRIGO & Christine Lourrine TABLATIN
35\$	Construction of a Japanese Language Learning Support System That Enables Word Accent Learning Satoru KOGURE, Kazuki TOMITA, Yasuhiro NOGUCHI, Koichi YAMASHITA, Tatsuhiro KONISHI & Makoto KONDO
41\$	Developing a Feedback Analytic Tool to Support Instructor Reflection Feng LIN, Chenchen LI, Rebekah Wei Ying LIM & Yew Haur 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 & 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 & Hiroaki OGATA
101F	Designing Interaction Scenario for Alleviating Persistence in Learning Strategies So SASAKI & 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 & Gwo-Dong CHEN
1458	Facilitating Thinking like a Historian in Open-Ended Learning Space: A White Box Approach Aoi MATSUURA, Yuki HAYASHI & 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 & Shin'ichi KONOMI
1915	Error Tolerance in Automatic Short Answer Grading with Large Language Models: The Case of Handwriting Recognition Errors Ziqi TAN, Yingbin ZHANG & Su MU
209ES	Identifying Key Indicators of Proficiency in Junior High Math: Roles of Daily Handwriting Learning Logs Yudai OKAYAMA, Changhao LIANG, Kensuke TAKII & Hiroaki OGATA
267ES	Relationship Analysis Between Procrastination Behavior and Non-Cognitive Abilities Yasuhisa TAMURA & 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 & Yusuke HAYASHI
77F BSPN	Automated Recommendations for Revising Lecture Slides Using Reading Activity Data Erwin D. LOPEZ Z, Cheng TANG, Yuta TANIGUCHI, Fumiya OKUBO & Atsushi SHIMADA
40\$	Optimizing Causal Inference Approach for Exploring Shallow Reading Behavior with Generative Adversarial Networks Yu BAI, Fuzheng ZHAO, Wenhao WANG & Chengjiu YIN
60\$	Exploring Linguistic Sophistication of Discussion Board Posts in University Learning Management Systems Michelle P. BANAWAN, Clarence James MONTEROZO & Maria Mercedes T. RODRIGO
227ES	Toward Contextualized Handwriting Process Analysis: Comparison Between Problem Types in Math Shunsuke TONOSAKI, Taito KANO, Satomi HAMADA, Izumi HORIKOSHI & 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 & Tatsuhiro KONISHI
90\$	Peer Feedback Feature Analysis with Large Language Models: An Exploratory Study Qianru LYU, Zirou LIN & Wenli CHEN
214ES	Relationship Between Students' Scores in Weekly Tests and Final Exam Satomi HAMADA, Izumi HORIKOSHI & Hiroaki OGATA
218ES	Exploring Reading Speed Profiles in EFL Extensive Reading Hatsune ICHIDATE, Yiling DAI, Brendan FLANAGAN & 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 & 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 & 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 & Hiroaki OGATA
50\$	Using Educational VR Systems to Promote Inquiry-Based Learning in Natural Science Shu-Ying TSAI, Zhi-Hong CHEN & Min-Hsuan WENG
1358	Generative Artificial Intelligence in Education: Evaluating Students' Self-Efficacy and Utilization in Their Homework Elanie VIZCONDE, Ma. Rowena CAGUIAT & 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 & 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 & Hyo-Jeong SO
1618	Technology Considerations in Building Virtual Educational Avatars Antun DROBNJAK & Ivica BOTICKI
1948	Data-Driven Peer Recommendation and Its Applications in Extracurricular Learning Peixuan JIANG, Changhao LIANG & 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 & 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 & Yingxue LIU
162F BOPN	Dialogue Game-Based Learning for AI Ethics Education Hyo-Jeong SO & Sung-Eun KIM
1258	Detecting Off-Task Behavior of Learners in Minecraft Using Exploration and Personalized Features Maricel A. ESCLAMADO & 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 & Kuen Fung SIN
103F	Exploring the Impact of Incorporating Digital Escape Room on Learners' Performance and Motivation in Environmental Sustainability Education Yu-Chao LAI & Jie-Chi YANG
1335	Middle School Students' Ability to Detect Lies When Interacting with an Educational AI Robot Ahmed SALEM & Kaoru SUMI

13:00-14:00	EGG-3
73\$	ICCE 2024 FLOU: Evaluating the Intrinsic Motivation of Learners in Gamifying Academic Programs Through a Gamified Mobile Application Marl Vincent AGRAVANTE, Jeru Kian FERNANDEZ, Ma. Louisa PEREZ & Joshua MARTINEZ
164\$	Designing an Educational Game for Facilitating Development of Media and Information Literacy Jun XIE, Xiang LI, Kotomi HASEGAWA, Zhichun LIU & Frank REICHERT
262ES	Developing a Visualized Data Guessing Game to Assess Data Literacy Ruei-Yi XIE & Ming-Chi LIU



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

Wednesday, November 27

14:00-15:00	TELL-1
123F	TAMMY: Supporting EFL Translation Practice with an LLM-Powered Chatbot
BSPN	Steve WOOLLASTON, Brendan FLANAGAN, Patrick OCHEJA, Yiling DAI & Hiroaki OGATA
172F	Impact of Online Video Dubbing Activities on Grade 5 Students' Pronunciation, Accuracy, and Fluency in English Speaking: An Experimental Research
BTDPN	Min XIE & 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 & Hiroaki OGATA
157\$	The Effect of LINE Chatbot with Escape Game Design on English Learning Achievement, Situational Interest, and Student Engagement Elva Yi-Fang LO & Jerry Chih-Yuan SUN
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 & 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 & Hidenobu KUNICHIKA
152S	Mapping Morphological Patterns: A Framework for Rinconada Bikol Language Morphological Analysis and Stemming Tiffany Lyn PANDES & Joshua MARTINEZ
13:00-14:00	TELL-4
148	Enhancing Chinese Language Education Through Al-Assisted Project-Based Learning: A Qualitative Study on Learning Values and Multimedia Skills Development Satoko SUGIE
184\$	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 & 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, 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

Wednesday,	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 & Ryan EBARDO
53F	Who Is a Good Computational Thinker? Mapping Behavioral Dispositions of Middle-School Children Based on Real-Life, Algorithmic Tasks Shashaank V. PINNAMARAJU, Lazar TONY & 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 & Hiroaki OGATA
68	Factors Contributing to the Negative Online Learning Academic Self-Concept of College Students Rex BRINGULA, Roman Paulo BAET, Ralph Lawrence GARCIA, Franchesca Mari MORALES, Jan Carlo RAMOS, Hanna Sophia SARMIENTO & Edmon TORRES
7\$	Teachers' Perspectives on Integrating Al Tools in Classrooms: Insights from the Philippines Vanessa B. SIBUG, Vicky P. VITAL, John Paul P. MIRANDA, Emerson Q. FERNANDO, Almer B. GAMBOA, Hilene E. HERNANDEZ, Joseph Alexander BANSIL, Elmer M. PENECILLA & Dina D. GONZALES
108	Research on the Dual-Pathway Impact of Artificial Intelligence Technology on Teachers' Human-Machine Collaboration Yujie XU & Yiling HU
30S	Does Learning Interest Predict Academic Performance in an Interest-Driven HyFlex Course? Liang Jing TEH, Su Luan WONG, Mohd Zariat ABDUL RANI, Mas Nida MD KHAMBARI & Sai Hong TANG



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

11:00-12:00	PTP-3
11:00-12:00	
198	Using a Teaching Framework to Identify Resilient and Persistent Teaching Practices
	During the Pandemic
	Ma. Monica L. MORENO, Johanna Marion R. TORRES, Timothy Jireh GASPAR, Jenilyn A. CASANO &
	Maria Mercedes T. RODRIGO
	Evaluating the Effectiveness of a Professional Development Course on Artificial Intelligence
92\$	Literacy for Administrative Staff in Higher Education
	Siu Cheung KONG, Zoe Wai Sum MAK, Yue WU & Yin YANG
	From Textbooks to Classroom Implementation: Experience Report of Middle School Science
140S	Teachers' Pedagogy for Activity-Based Learning
	Zun Phoo MO, Sunny Prakash PRAJAPATI, Sheeja VASUDEVAN & Sahana MURTHY
1558	Appropriating AI-Powered Pedagogical Affordances for Vocabulary Learning
1005	Xinyu GUO & Yun WEN
14:00-15:30	PTP-4
	Extraction of Important Characteristics for Data-Informed Guidance and Counseling from
114F	Daily Usage Log Data
BTDPN	Junya ATAKE, Chia-Yu HSU, Izumi HORIKOSHI & Hiroaki OGATA
	Driving Informed EdTech Quality Decisionmaking: A Research-Practice Partnership-Based
146F	Solution for Diverse Stakeholders' Needs
	Ishika ISHIKA, Angelina Susan PHILIP, Sheeja VASUDEVAN & Sahana MURTHY
	Determinants of ChatGPT Adoption in Academe & Other Fields – A Review on
208	Theoretical Perspective
	Gerand Boy O. ELINZANO & Michelle Renee CHING
	Exploring the Entanglement Between Technology and Pedagogy: A Case Study of
171S	Knowledge Building
	Yee Yin TAN, Seng Chee TAN & Chew Lee TEO
15:50-16:50	PTP-5
	Determinants of ICT Competency Among Public School Teachers in Bukidnon
958	Gladys S. AYUNAR, Nathalie Joy G. CASILDO, May Marie P. TALANDRON-FELIPE,
	Kent Levi A. BONIFACIO, Jinky G. MARCELO & Fe S. SEBUGUERO
	Preliminary Exploration on the Dimensions of Digital Learning Agility Among Teachers
226ES	in Malaysia
	Nur Dania MOHD ROSLI, Kamilah ABDULLAH, Mas Nida MD. KHAMBARI, Su Luan WONG,
	Noor Syamilah ZAKARIA, Priscilla MOSES & Nur Aira ABDRAHIM
228ES	Analysis of Factors Influencing Teacher Behavioural Engagement in Distance Training Base
	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 & Anna KIM



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 & Sridhar IYER
188F BSPN	Enhancing Language Learning Through Multimodal Al-Driven Feedback on Picture Descriptions: An Eye-Tracking Study Ruibin ZHAO, Zhiwei XIE, Yipeng ZHUANG, Huixian LI & Philip L. H. YU



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 & Joshua MARTINEZ
54P	Authorship Forensics Portal Robert SCHMIDT, Maiga CHANG, Hsiang-Han CHENG, Greg FREDIN, Kevin HAGHIGHAT & Rita KUO
55P	Designing Learner-Centered Collaborative Learning by Incorporating AI-Based Teacher/Learner Agents with a Cognitive Model
	Yugo HAYASHI, Shigen SHIMOJO & Tatsuyuki KAWAMURA Student Perceptions of Using Generative AI Chatbot in Learning Programming
59P	Ean Teng KHOR, Leta CHAN, Elizabeth KOH & 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 & Rex BRINGULA
32P	Early Detection of At-Risk Students Through Leaning-Activity Forecasting Yuya OZAKI, Daisuke DEGUCHI, Haruya KYUTOKU & Hiroshi MURASE
165P	What Insights Are Gained from Students' Trace Data in Homework?
	Satomi HAMADA, Yuko TOYOKAWA, Taito KANO, Izumi HORIKOSHI & Hiroaki OGATA TEML
	A TPB-TAM Approach to Identifying Adoption Factors of Hyflex Among Educators
36P	Elanie VIZCONDE, Joshua ISAGUIRRE, Gabriel Luis LIWANAG & Ryan EBARDO
111P	Designing Interactive Mathematical Teaching Tools for Tablet-Based Learning: Enhancing Student Engageme and Tactile Exploration
	Loong-Chuan LEE, Chia-Ying LIN, Yu-Han TAN & Kuo-Yu LIU TELL
127P	Implementation and an Evaluation of a Search Function Allowing Misspelling for a Japanese Learning System
12/P	Hidenobu KUNICHIKA & Miguel Antonio VILLALOBOS ZUNIGA
	PTP An Experience Sampling Study of Student Emotional Life: Preliminary Results
2P	Maria Mercedes T. RODRIGO, Liane Peña ALAMPAY, Queena N. LEE-CHUA & Irish Danielle MORALES
3P	Theory-Driven Design for the Development of a Student-Centered Error-Correction Online Learning System Fu-Yun YU
62P	Contextual Factors Affecting Large-Scale Educational Technology Implementation: Policy Intention Versus Practice
	Arjun PRASAD, Jayakrishnan WARRIEM & Sridhar IYER
	WIPP
216WIPP	Support System for Focused Discussion in Consensus Building for Team Sports Kazuma KUWADA & Tomoko KOJIRI
222WIPP	Understanding Collaborative Teacher Growth from the Lens of Digital Learning Agility: A Pathway to Education
	Excellence Kamilah ABDULLAH, Mas Nida MD KHAMBARI, Su Luan WONG, Noor Syamilah ZAKARIA, Nur Dania MOHD ROSLI, Nur Aira ABD RAHIM & Priscilla MOSES
239WIPP	Online Educational Game for Interior Design with Design Thinking Process and Multidimensional Scaffolding Chou-Pai YEOH & Huei-Tse HOU
247WIPP	Microlearning Strategy in ICT Education
250WIPP	Kotaro TORII What Do University Students Say About ChatGPT? A Topic Modeling of Perception on GenAl in Academic Writin
20000111	Lingxi JIN, Kyuwon KIM, Hyo-Jeong SO & Ga Young LEE Generative AI and XR in Education: Student Co-Created Metaverse Worlds in an International Virtual Exchange
265WIPP	Masako HAYASHI
	SATELUC
202SAT	Practical Skills Acquisition in Domestic Wiring as Determinants of Enterpreneurship Development Among Underdraduate Students in Nigeria Ismaheel Adewale BADRU (Nigeria)
	Transforming Education in Timor-Leste: The Role of E-Learning and Artificial Intelligence in Boosting Student
207SAT	Achievements Estanislau SOUSA SALDANHA, Edio DA COSTA, Aderita MARIANA TAKELEB, Salustiano DOS REIS PIEDADE &
208SAT	Carla ALEXANDRA DA COSTA (Timor-Leste) Learning with Virtual Avatars: Insights into Performance and Resource Needs
219SAT	Antun DROBNJAK & Ivica BOTICKI (Croatia) MS Teams Acceptance Factors Among Polish and Ukrainian Students
	Nataliia DEMESHKANT, Sławomir TRUSZ, Tetiana MATUSEVYCH & Amy SEPIOŁ (Poland / Ukraine) Boosting Literacy with an Educational RPG for Polytechnic Students
225CAT	Agung Nugroho PRAMUDHITA, Puteri Ardista Nursisda MAWANGI & Banni Satria ANDOKO (Indonesia)
225SAT	Development of the Board Game 'Career Champion': Gamification for Understanding Job Interview Preparation
225SAT 230SAT	Development of the Board Game 'Career Champion': Gamification for Understanding Job Interview Preparatio Farid Angga PRIBADI, Banni Satria ANDOKO & Erina SEVIYANTI (Indonesia) Al Tools Experience in Civitas Academic Portal in Timor Leste
	Farid Angga PRIBADI, Banni Satria ANDOKO & Erina SEVIYANTI (Indonesia) Al Tools Experience in Civitas Academic Portal in Timor Leste Agostinho Dos Santos GONÇALVES, Sebastião PEREIRA & Saida ULFA (Timor-Leste)
230SAT	Farid Angga PRIBADI, Banni Satria ANDOKO & Erina SEVIYANTI (Indonesia) Al Tools Experience in Civitas Academic Portal in Timor Leste Agostinho Dos Santos GONÇALVES, Sebastião PEREIRA & Saida ULFA (Timor-Leste) 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 & Saida ULFA
230SAT 232SAT 233SAT	Farid Angga PRIBADI, Banni Satria ANDOKO & Erina SEVIYANTI (Indonesia) Al Tools Experience in Civitas Academic Portal in Timor Leste Agostinho Dos Santos GONÇALVES, Sebastião PEREIRA & Saida ULFA (Timor-Leste) 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 & Saida ULFA (Timor-Leste) Lecturer Performance Assessment System Based on Tridharma Using Saw Method
230SAT 232SAT 233SAT 235SAT	Farid Angga PRIBADI, Banni Satria ANDOKO & Erina SEVIYANTI (Indonesia) Al Tools Experience in Civitas Academic Portal in Timor Leste Agostinho Dos Santos GONÇALVES, Sebastião PEREIRA & Saida ULFA (Timor-Leste) 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 & Saida ULFA (Timor-Leste)
230SAT 232SAT 233SAT	Farid Angga PRIBADI, Banni Satria ANDOKO & Erina SEVIYANTI (Indonesia) Al Tools Experience in Civitas Academic Portal in Timor Leste Agostinho Dos Santos GONÇALVES, Sebastião PEREIRA & Saida ULFA (Timor-Leste) 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 & Saida ULFA (Timor-Leste) Lecturer Performance Assessment System Based on Tridharma Using Saw Method Anita GUTERRES, Delfim da SILVA & Antonio GUTERRES (Timor-Leste)



Poster Session 2

Thursday, November 28 16:50–17:50

16:50-17:		
	AIED/ITS	
66P	Quality Criteria Acquisition Support System of Product by Explaining It with Components Kota KUNORI & Tomoko KOJIRI	
74P	Exploring Explainable Artificial Intelligence in Active Video Watching Raul Vincent LUMAPAS, Antonija MITROVIC, Matthias GALSTER & Sanna MALINEN	
87P	A Proposal of Quality Assurance Programming Exercise	
000	Nobuya ISHIHARA, Samsul HUDA & Yasuyuki NOGAMI Enhancing Engagement in Distance Learning: Overcoming Learner Isolation Through ICT Tools	
89P	Kumiko AOKI, Itaru KANEKO, Ken KURIYAMA, Takeo TATSUMI & Takahiro MIYAJIMA	
96P	Scaffolding Students' III-Structured Problem Solving via LLM — Multi-Armed Bandit Problem as a Case Jiayi LIU & Bo JIANG	
102P	Navigating Europe's Artificial Intelligence Act: Application of LLMs in Classrooms Upasana DASGUPTA & Rwitajit MAJUMDAR	
142P	Learning Support Environment with Fill-in-Blank Exercise Based on Program Visualization System Koichi YAMASHITA, Shuya SUZUKI, Satoru KOGURE, Yasuhiro NOGUCHI, Raiya YAMAMOTO, Tatsuhiro KONISHI & 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: SBF-Based Analogical Stories to Enhance Understanding of Complex Biological Processes Meera PAWAR, Sheeja VASUDEVAN & Sahana MURTHY	
198P	Challenging the Eye-Mind Link Hypothesis: Visualizing Gazes for Each Programming Problem Michael T. LOPEZ II	
Michael 1. 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 & 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 & Rihito YAEGASHI	
156P	Development of Laborer Digital Twin Generation and Visualization Function for Hazard Prediction in Off-Site Training Kaito MINOHARA, Toshiki MUGURMA, Yusuke KOMETANI, Naka GOTODA, Saerom LEE, Ryo KANDA, Shotaro IRIE & Toru HARAI	
176P	HyCode: A Code Similarity Assessment Tool Utilizing Recurrent Neural Networks James Marcel A. ABAWAG, Aleczia S. TORDILLA & Joshua C. MARTINEZ	
178P	Empowering Educational Researchers with a Privacy-Centric Data Platform: Design, Implementation, and Implications Isanka WIJERATHNE, Brendan FLANAGAN & 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 & Chengjiu YIN	
5P	EGG Exploring the Effects of Leaderboards on an Online Professional Development Course for Teachers Aime Michelle LAZARO & Marlene DE LEON	
170P	Game-Based College English Translation Instructional Design Based on Representational Redescription Model: Implicit Knowledge Transformed into Explicit Knowledge Xinyu JIANG, Mengya CHEN & Lu HUANG	
	PTP	
llP	Online Student Testlet-Generation as an Innovation Approach to Student-Created Assessment Its Learning Effects Fu-Yun YU & Ya-Shin CHANG	
110P	Al and Data Science Literacy Framework for Educators Nurul Amelina NASHARUDDIN, Nurfadhlina MOHD SHAREF & Mohd Khaizer OMAR	
138P	Challenges to Augmenting Literacy in the Digital Environment Khalid KHAN & Jon MASON	
169P	Unboxing Learner Engagement in an Online SEL for Teachers Course on FramerSpace	
	Hritik GUPTA, Nandini Chatterjee SINGH & Shitanshu MISHRA WIPP	
221WIPP	Influence of Telepresence Robot on Discussion in Hybrid Classes	
234WIPP	Hiroaki ARUGA & Akihiro KASHIHARA Proposal for Simulation Environment to Support Understanding of Tactical Positioning	
	Yuki OHTSUKA & Tomko KOJIRI An Online MMORPG Card Game Based on Multi-Dimensional Scaffolding to Develop Reading Comprehension	
240WIPP	and Contextual Problem-Solving Skills Cheng-Tai LI, Chou-Pai YEOH, Yu-Chi CHEN, Hung-Yu CHAN, Yun-Chien CHUNG, Yu-Jen LIN, Min-Hsiong HONG, Cheng-Yuan WEI & Huei-Tse HOU	
249WIPP	Instructors' Perceptions and Use of Feedback Dashboard	
255WIPP	Feng LIN & Rebekah Wei Ying LIM Exploring Student Emotion via Facial Expressions Using Transfer Learning Tita HERRADURA, Macario CORDEL II & Merlin Teodosia SUAREZ	
263WIPP	The Effect of Stimulus Concurrence on Memorizing Constellations in VR	
	Nicko CALUYA, Eiji YAHARA & Damon CHANDLER	