



# ICCE 2024

The 32<sup>nd</sup> International Conference  
on Computers in Education

MANILA, PHILIPPINES

## WS01: 4th International Workshop on Embodied Learning: Technology Design, Analytics & Practices

Monday, November 25

09:00–10:30	<b>WS01-1</b>
W01-004F	<b>Exploring Cognitive Engagement in AI-Driven Adaptive Psychomotor Sport Training</b> <i>Miguel PORTAZ, Rwitajit MAJUMDAR &amp; Olga C. SANTOS</i>
W01-005F	<b>Exploring Graph Slopes Through a Series of Embodied Learning Experiences</b> <i>Priyadharshni ELANGAIVENDAN, Melwina ALBUQUERQUE, Shizuka DARA &amp; Sanjay CHANDRASEKHARAN</i>
10:50–12:20	<b>WS01-2</b>
W01-006F	<b>Unpacking Interaction Markers of Critical Thinking</b> <i>Aditi KOTHIYAL, Rwitajit MAJUMDAR, Shitanshu MISHRA, Jayakrishnan Madathil WARRIEM &amp; Prajakt PANDE</i>
W01-007F	<b>Actions and Interactions at Collaborative Engineering Design Hackathon: Looking Through the Lens of Embodied Cognition</b> <i>Soumya NARAYANAN, Navneet KAUR &amp; Rwitajit MAJUMDAR</i>
W01-008F	<b>Designing an AI-Enhanced Timeline for Monitoring Multimodal Interactions in Embodied Learning Environments</b> <i>Joyce FONTELES, Namrata SRIVASTAVA, Eduardo DAVALOS, Ashwin T S &amp; Gautam BISWAS</i>



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## WS02: The 13th International Workshop on ICT Trends in Emerging Economies (WICTTEE 2024)

Tuesday, November 26

09:00–10:30	<b>WS02-1</b>
W02-003F	<b>Exploring Learning Analytics: A Case Study of Tertiary Educators' Utilization and Integration of AnimoSpace LMS in the Online Learning Environment</b> <i>Rozanne Tuesday G. FLORES &amp; Ethel C. ONG</i>
W02-007F	<b>An Implementation of Augmented Reality in Guided Inquiry-Based Learning for Enhancing Primary Students' Mental Models in Science</b> <i>Sasivimol PREMTHAISONG, Pawat CHAIPIDECH, Phattaraporn PONDEE &amp; Niwat SRISAWASDI</i>
W02-001S	<b>Design and Assessment of a Mobile Cloud Learning Platform for the Classroom: Examining the Efficiency of Blended Learning in Post-COVID Science Education</b> <i>Joselito Christian Paulus VILLANUEVA, John Lorence VILLAMIN &amp; Joshua TUMOLVA</i>
10:50–12:20	<b>WS02-2</b>
W02-014F	<b>Exploring Skills Enhancement in Student Teacher Through Implementation of Design Thinking in Unplugged Game Creation</b> <i>Tian Wong LING, Mas Nida Md. KHAMBARI, Mohd Mokhtar MUHAMAD, Sharifah Intan Sharina Syed-ABDULLAH &amp; Saiful Hasley RAMLI</i>
W02-017F	<b>Factors Influencing ChatGPT Use Behaviour Among Trainee Teachers</b> <i>Sarala VALAIDUM &amp; Jazihan MAHAT</i>
W02-009S	<b>Design and Implementation of an Educational Escape Rooms Class</b> <i>Jesus Alvaro C. PATO, Gerick Jeremiah Niño N. GO, Paolo Santino P. CAOILE, Gio Gabriel C. REYES, Joaquin Enrique B. SINJIAN, Jerold Luther P. AQUINO &amp; Maria Mercedes T. RODRIGO</i>
13:20–14:50	<b>WS02-3</b>
W02-002S	<b>A Preliminary Investigation of the Definition and Components of Computational Thinking in the Malaysian Education Landscape: From Educational Technology Experts' Perspective</b> <i>Ahmad Sarji Abdul HAMED, Su Luan WONG, Mohd Zariat Abdul RANI, Mas Nida Md KHAMBARI, Nur Aira Abd RAHIM, Fariza KHALID &amp; Priscilla MOSES</i>
W02-006S	<b>PERS: A Personalized Recommender System for Student-Generated Questions in Programming Courses</b> <i>Pham-Duc THO</i>
W02-010S	<b>A User Acceptance Testing Tool for Mobile Game-Based Learning Application</b> <i>Christian Jade D. GUILLEN &amp; Saturnina F. NISPEROS</i>
W02-016S	<b>Sociotechnical Challenges of Older Educators in Delivering Medical Education Online</b> <i>Ryan EBARDO, John Byron TUAZON &amp; Miriam Louella FERMIN</i>



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## WS02: The 13th International Workshop on ICT Trends in Emerging Economies (WICTTEE 2024)

Tuesday, November 26

15:10–16:10	<b>WS02-4</b>
W02-013S	<b>Minecraft as a Tool for Digital Game-Based Learning: Enhancing Conceptual Understanding and Attitudes in Mathematics Learning</b> <i>Sakda CHALEEPLIAM, Sasivimol PREMTHAISONG &amp; Pawat CHAIPIDECH</i>
W02-008S	<b>Cognicraft: Smart Exam Question Generation with AI and Bloom's Taxonomy</b> <i>Christian SAGADRACA, Zainal SANTOS, Danilo SIMON Jr., Marianne Jessica TOLENTINO &amp; Reymar VENTURA</i>
W02-004S	<b>Development and Evaluation of a Hybrid Mobile-Learning App Using Design Science Research (DSR) Framework</b> <i>John Lorence VILLAMIN, Joselito Christian Paulus VILLANUEVA &amp; Joshua TUMOLVA</i>



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## WS03: Analysis and Design of Problems/Questions in the Digital Environment: The 17th Workshop on Technology Enhanced Learning by Posing/Solving Problems/Questions

Monday, November 25

09:00–10:30	<b>WS03-1</b>
W03-002	<b>Difficulty–Controllable Reading Comprehension Question Generation Considering the Difficulty of Reading Passages</b> <i>Yuto TOMIKAWA &amp; Masaki UTO</i>
W03-005	<b>Learning Effectiveness and Reflections on AI Literacy in Junior High School Students with Game–Based Learning and Problem–Based Learning</b> <i>Shih-Hua HUANG &amp; Ting-Chia HSU</i>
W03-009	<b>Does Experience of Feedback Generation Promote Student Novel Problem Posing? An Empirical Study in a Database Course</b> <i>Kazuaki KOJIMA</i>
10:50–12:20	<b>WS03-2</b>
W03-004	<b>Difficulty–Controllable Reading Comprehension Question Generation Considering the Difficulty of Reading Passages</b> <i>Yuto TOMIKAWA &amp; Masaki UTO</i>
W03-006	<b>Iterative Problem Solving in the Integration of Design Thinking and Game–Based Learning into Enhancing Computational Thinking and AI Literacy</b> <i>Tai-Ping HSU &amp; Ting-Chia HSU</i>
W03-007	<b>Design and Development of a Stepwise Learning Environment for Problem Posing of Arithmetic Word Problem</b> <i>Yusuke HAYASHI, Nagito YAMAMOTO, Susumu SHIMAKAWA &amp; Tsukasa HIRASHIMA</i>



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## WS04: The 8th Computer-Supported Personalized and Collaborative Learning

Tuesday, November 26

09:00–10:30	<b>WS04-1</b>
W04-003F	<b>Investigating the Impact of Cooperative Group Learning on Blended Teaching and Learning Outcomes: A Case Study of Sixth-Grade Students in an Elementary School</b> <i>De Jun MO &amp; Joni Tzuchen TANG</i>
W04-008F	<b>Investigating Students' Online Learning Perception Through the Lens of Constructivism</b> <i>May Marie P. TALANDRON-FELIPE, Kent Levi A. BONIFACIO &amp; Gladys S. AYUNAR</i>
W04-001S	<b>Integrating Virtual Environment in Teaching Courses</b> <i>Chiu-Jung CHEN &amp; Pei-Lin LIU</i>
10:50–12:20	<b>WS04-2</b>
W04-007F	<b>Investigating the Role of AI Book Talk Companion in Enhancing Student Performance: A Pilot Study on Self-Efficacy</b> <i>Yi-Cheng TSAI, Hsiao-Tung YANG, Chang-Yen LIAO, Yen-Cheng YEH &amp; Tak-Wai CHAN</i>
W04-013F	<b>Investigation of Skills Training System Using TF-IDF for the Plasterer's Skeletal Data</b> <i>Ryota TANAKA, Naka GOTODA, Lee SAERON, Ryo KANDA, Ayaka HUNABIKI, Hirotake KANISAWA, Kanae KANDA, Yuka TAKAI &amp; Toshihiro HAYASHI</i>
W04-002S	<b>The Trends in Computer-Supported Virtual Reality Collaborative Learning</b> <i>Ching-Yi CHANG &amp; Cheng-Huan CHEN</i>
13:20–14:50	<b>WS04-3</b>
W04-012F	<b>Addressing Public Speaking Anxiety with an AI Speech Coach</b> <i>Frederick Voltair GARCIA Jr., Nicanor Froilan PASCUAL, Miguel Elijah SYBINGCO &amp; Ethel ONG</i>
W04-005S	<b>Exploring the Impact of Integrating Auto-Photography and Imagery Strategies into Computer-Supported Collaborative Learning: A Case Study in a General Education Course on Climate Change</b> <i>Wen-Lung HUANG, Chia-Jung CHANG</i>
W04-010S	<b>Developing an LLM-Empowered Agent to Enhance Student Collaborative Learning Through Group Discussion</b> <i>Sixu AN, Yicong LI, Yu YANG, Yunsi MA, Gary CHENG &amp; Guandong XU</i>
15:10–17:00	<b>WS04-4</b>
W04-006S	<b>Exploring the Effect of Collaborative Programming Learning Environment on Student's Computer Programming Competencies and Cognitive Learning</b> <i>Chia-Jung CHANG &amp; Wen-Lung HUANG</i>
W04-009S	<b>Investigating the Impact of Kahoot! On EFL Grammar Learning</b> <i>Jonathan Y. CHIN &amp; Ben CHANG</i>
W04-011S	<b>Designing an LLM-Based Dialogue Tutoring System for Novice Programming</b> <i>Julieto PEREZ &amp; Ethel ONG</i>



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## WS06: GenAI in Education – From Hallucinations to Reality: Integrating Learning Analytics and Generative AI for Enhancing Personalized Learning Experiences

Tuesday, November 26

09:00–10:30	<b>WS06-1</b>
W06-001F	<b>Analyzing Teacher–Student Dialogues in Online One-on-One Primary Mathematics Tutoring: A Lag Sequential Analysis of Group Differences</b> <i>Gary CHENG, Bo JIANG, Daner SUN, Ming GAO &amp; Zhixuan SONG</i>
W06-004F	<b>Supporting Teacher–Student Book Talk and Book Wish Lists with AI-Driven Technology</b> <i>Chih-En KUO, Hong-Min TU, Chang-Yen LIAO &amp; Tak-Wai CHAN</i>
W06-005F	<b>AVERY: A GenAI-Based Approach to Enhancing Learner Engagement in English Writing</b> <i>Ka-Lai WONG, Patrick OCHEJA, Brendan FLANAGAN &amp; Hiroaki OGATA</i>
10:50–12:20	<b>WS06-2</b>
	Panel Discussion
13:20–14:50	<b>WS06-3</b>
W06-007F	<b>How AI Supports Returning Adult Learners in a Developing Economy: Enhancing Academic Writing Through Self-Determination Theory</b> <i>Mary Rose MARTINEZ &amp; Ryan EBARDO</i>
W06-009F	<b>Developing a Multimodal Learning Analytics Approach to Examine Students' Cognitive Presence and Metacognition in a Metaverse Environment</b> <i>Yanjie SONG, Lei TAO, Hao DENG &amp; Jiachen FU</i>
W06-010F	<b>Integrating ChatGPT into Flipped Learning: Enhancing Students' Creative Writing Skills and Perception</b> <i>Worapong KHUIBUT, Sasivimol PREMTHAISONG &amp; Pawat CHAIPIDECH</i>
15:10–17:00	<b>WS06-4</b>
W06-011F	<b>Competency-Based Assessment in the Era of Generative Artificial Intelligence: Perspectives of Selected STEM Educators</b> <i>Friday Joseph AGBO, Heather Kitada SMALLEY &amp; Kathryn NYMAN</i>
W06-006S	<b>A Case Study for Educators with ChatGPT and Plato's Allegory of the Cave</b> <i>Anna Y.Q. HUANG, Jain-Wei TZENG, Chi-Sheng HUANG, Zhi-Qi LIU, Bryan Carl TANUJAYA, Owen H.Q. LU</i>
W06-008S	<b>Supporting Students' Post-Exam Reflection Needs in College Automation Engineering Course Using LLM</b> <i>Edward ANOLIEFO, Patrick OCHEJA, Regina OCHONU, Brendan FLANAGAN &amp; Hiroaki OGATA</i>



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## WS07: The 7th Workshop on Predicting Performance Based on the Analysis of Reading and Learning Behavior

Tuesday, November 26

09:00–10:30	WS07-1
W07-001F	<b>Exploring Cross-Disciplinary Education: Enhancing Science Learning with Digital Picture Books</b> <i>Yan-Yu JAU &amp; Joni Tzuchen TANG</i>
W07-002F	<b>Methods of Balancing Model Explainability and Performance in Identifying At-Risk Students</b> <i>Tiffany T.Y. HSU, Brendan FLANAGAN, Owen H.T. LU</i>
10:50–12:20	WS07-2
W07-003F	<b>Effects of the Self-Regulated Learning and Motivation on Learning Achievements of the Programming Courses</b> <i>Mu-Sheng CHEN &amp; Ting-Chia HSU</i>
W07-004F	<b>GazeViz: A Web-Based Approach for Visualizing Learner Gaze Patterns in Online Educational Environment</b> <i>Eduardo DAVALOS, Namrata SRIVASTAVA, Yike ZHANG, Amanda GOODWIN &amp; Gautam BISWAS</i>



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## WS08: The 12th Workshop on Technology-Enhanced STEM Education (TeSTEM Workshop)

Monday, November 25

09:00–10:30	<b>WS08-1</b>
W08-001F	<b>Novice Programmers' Saccadic Patterns in Error Message Comprehension and Syntax Error Identification</b> <i>Caren PACOL, Maria Mercedes RODRIGO &amp; Christine Lourrine TABLATIN</i>
W08-004F	<b>Challenges and Opportunities for Designing and Implementing Ubiquitous Game-Based Learning to Cultivate Digital Citizenship in Thailand</b> <i>Patcharin PANJABUREE, Gwo-Jen HWANG, Niwat SRISAWASDI, Ungsinun INTARAKAMHANG &amp; Sasipim POOMPIMOL</i>
W08-005S	<b>Reducing Undergraduate Students' Information Technologies (ITs) Anxiety Through Implementation of Blended Learning: A Case Study in the Basic Natural Science Course</b> <i>Anggiyani Ratnaningtyas Eka NUGRAHENI, Anggraeni Dian PERMATASARI &amp; Antuni WIYARSI</i>
10:50–12:20	<b>WS08-2</b>
W08-002F	<b>Predicting Emotional Impact on Peer Review, Peer Assessment, and Self Assessments Using Deep Learning and NLP in STEM Education</b> <i>Pascal Muam MAH</i>
W08-008F	<b>Leveraging Generative AI for Automatic Scoring in Chemistry Education: A Web Based Approach to Assessing Conceptual Understanding of Colligative Properties</b> <i>Sri YAMTINAH, Dimas Gilang RAMADHANI, Antuni WIYARSI, Hayuni Retno WIDARTI &amp; Ari Syahidul SHIDIQ</i>
W08-010S	<b>Fostering TPACK Self Efficacy Among Pre-Service Chemistry Teachers: A Case Study from Indonesia</b> <i>Anggiyani Ratnaningtyas Eka NUGRAHENI &amp; Niwat SRISAWASDI</i>





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## WS08: The 12th Workshop on Technology-Enhanced STEM Education (TeSTEM Workshop)

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13:20–14:50	<b>WS08-3</b>
W08-003F	<b>Math Learning Application on Mobile Devices Following the STEAM Educational Model</b> <i>Nguyen-Manh THANG &amp; Pham-Duc THO</i>
W08-011F	<b>Does Interactive Augmented Reality Enhance Primary Students' Geometric Understanding and Visual-Spatial Skills in Mathematics Learning?</b> <i>Atcharaporn ASSAWAPHUM, Sasivimol PREMTHAISONG &amp; Pawat CHAIPIDECH</i>
W08-007S	<b>Promoting Quantitative Analysis in School Chemistry with Technology-Supported Hands-On Laboratory Learning: A Case of Arduino-Based Portable Spectrophotometer</b> <i>Ari Syahidul SHIDIQ, Fa'ari SALSABIILA, Sri YAMTINAH, Sri MULYANI, Murni RAMLI, Hayuni Retno WIDARTI &amp; Nahadi</i>
15:10–17:00	<b>WS08-4</b>
W08-009F	<b>The Urgency of Small-Scale Laboratory Learning Media with Ethno-Electrochemical Contexts Based on Content Creators</b> <i>Hayuni R. WIDARTI, Sumari, Munzil, Nahadi, Ari S. SHIDIQ, Berliyana I. PANULATSIH, Ghaitza Z. S. P. PUTRI, Nafisah KHAIRUNNISA &amp; Deni A. ROKHIM</i>
W08-012F	<b>Exploring the Effect of Marker-Based AR Gamification on Primary Students' Science Concepts and Motivation</b> <i>Pawat CHAIPIDECH, Sasivimol PREMTHAISONG, Phattaraporn PONDEE &amp; Niwat SRISAWASDI</i>
W08-006S	<b>Exploring the Impact of Digital Divide on the Academic Performance of STEM Students in Hybrid Modality</b> <i>May Marie P. TALANDRON-FELIPE &amp; Jundy V. INTAO</i>



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## WS09: The 4th Workshop on Innovative Technologies for Enhancing Interactions and Learning Motivation

Monday, November 25

09:00–10:30	<b>WS09-1</b>
W09-001S	<b>AR<sup>2</sup>: Augmented Reality for Enhanced Reading Comprehension</b> <i>Allan Jay ESTEBAN</i>
W09-002S	<b>Developing the Interactive Game-Based Picture Book "Food Ninja" to Enhance Creativity in Elementary School Students</b> <i>Wen Chun LAN, De Jun MO &amp; Joni Tzuchen TANG</i>
W09-003F	<b>An Estimation of Student Well-Being Using Experience Sampling</b> <i>Arthur W. NEBRAO, Jr. &amp; Maria Mercedes T. RODRIGO</i>
W09-004S	<b>Exploring the Use of Short Video Social Media for Learning ESL in Indonesia</b> <i>Riska SAPUTRA, Tsaqufal JALILIY &amp; Intan SETIANI</i>
W09-005S	<b>Narrative Introduction Text Generation Support System According to Reader Preferences</b> <i>Ryusei SHIMONAKA, Kota KUNORI &amp; Tomoko KOJIRI</i>
W09-007S	<b>Galvanic Skin Responses and Flow: Insights from Multimodal Learning Analytics in Personal Learning Environment</b> <i>Yu-Lin HO, Yuan-Hsuan LEE &amp; Jiun-Yu WU</i>
10:50–12:20	<b>WS09-2</b>
W09-006F	<b>Transforming Student Feedback into Institutional Action Plans: A Data-Driven Approach</b> <i>Arlene Mae CELESTIAL VALDERAMA</i>
W09-008F	<b>BioMol DigiGames: An App for the Mastery of Biomolecules</b> <i>Joshua TUMOLVA, Armando Victor GUIDOTE, John Lorence VILLAMIN &amp; Joselito Christian Paulus VILLANUEVA</i>
W09-009S	<b>The Era of Learning Programming Through Program: Challenges and Potential of ChatGPT in Revolutionizing High School Programming Education</b> <i>Tzu-Chi YANG</i>
W09-010S	<b>Code Visualization System for Writing Better Code Through Trial and Error in Programming Learning: Classroom Implementation and Practice</b> <i>Shintaro MAEDA, Kento KOIKE &amp; Takahito TOMOTO</i>
W09-011S	<b>Optimization of Non-Verbal Information for English Conversation Agents Using Interactive Evolutionary Computation</b> <i>Yuma SHIMOSAKA, Emmanuel AYEDOUN &amp; Masataka TOKUMARU</i>



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## WS09: The 4th Workshop on Innovative Technologies for Enhancing Interactions and Learning Motivation

Monday, November 25

13:20–14:50	<b>WS09-3</b>
W09-012S	<b>Exploring the Benefits of Strategic Hesitations in Language Learning Robots</b> <i>Ryusei AZUMA, Emmanuel AYEDOUN &amp; Masataka TOKUMARU</i>
W09-013S	<b>Zooming In on Educator Well-Being: Exploring Behavior Attributes, Zoom Fatigue, and Burnout Dynamics</b> <i>Kevynn DELGADO, Mary Rose MARTINEZ, Christine Jamela VALSADO &amp; Ryan EBARDO</i>
W09-014S	<b>The Effect of Collaborative Anchoring on the Development of Digital Curation Skills Among Nursing College Students</b> <i>Chun-Hao CHANG</i>
W09-015F	<b>Enhancing Health Education and Learning Motivation in Primary Students Through Augmented Reality and Game-Based Learning: A Case Study</b> <i>Nattapat BUNYUEN, Sasivimol PREMTHAISONG &amp; Pawat CHAIPIDECH</i>
W09-016S	<b>Improving Engagement in Museums Through Virtual Reality Educational Escape Rooms (VREER): A Framework and Usability Study</b> <i>Eric Cesar E. VIDAL Jr., Nicko R. CALUYA, Joan Dominique L. LEE, Kenneth King L. KO, Jed Laszlo O. JOCSON &amp; Gerick Jeremiah Niño N. GO</i>
W09-017S	<b>Explore the Effect of Metacognitive Awareness on University Students' Learning Outcomes in the Metaverse: Evidence from Eye-Tracking Data</b> <i>Tinghui WU, Yanjie SONG &amp; Xuesong ZHAI</i>



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## Doctoral Student Consortium (DSC)

Tuesday, November 26

09:00–10:30	<b>DSC-1</b>
244	<b>Real-Time Adaptive Learning Environments Using Gaze and Emotion Recognition Engagement and Learning Outcomes</b> <i>AboulHassane CISSE</i>
254	<b>Developing a Multimodal Learning Analytics Approach for Collaborative Learning and Metacognitive Strategies in Virtual Learning Environments for Primary Science Education</b> <i>Lei TAO &amp; Yanjie SONG</i>
223	<b>Competition and Collaboration: A Multi-Modal Analysis of Cognitive Load and Behavior Patterns in Game-Based Learning</b> <i>Lishan ZHENG &amp; Wenli CHEN</i>
10:50–12:20	<b>DSC-2</b>
253	<b>A Proposal for a Quantitative Evaluation Model for Error Image Generation in L2 Vocabulary Learning</b> <i>Kazuki SUGITA, Wen GU, Koichi OTA, Prarinya SIRITANAWAN &amp; Shinobu HASEGAWA</i>
212	<b>Development and Validation of a Problem-Solving Instrument (Multiple-Choice Questions) for Computational Thinking Among Trainee Teachers in the Klang Valley, Malaysia</b> <i>Ahmad Sarji Abdul HAMED, Su Luan WONG &amp; Mohd Zariat Abdul RANI</i>
217	<b>OKLM: Open Knowledge and Learner Model Using Educational Big Data</b> <i>Kensuke TAKII, Changhao LIANG &amp; Hiroaki OGATA</i>
13:20–14:50	<b>DSC-3</b>
248	<b>Exploring the Young Learners' Interactions with AI-Generated Multimodal Feedback in Collaborative Writing</b> <i>Xinyu GUO</i>
241	<b>The Bane of AI in Teaching: Innovation Resistance in Higher Education Instructional Design &amp; Delivery</b> <i>Estefanie BERTUMEN &amp; Ethel ONG</i>
	Discussion



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## Student Wing (SW)

Tuesday, November 26

14:30–16:30	<b>Student Wing Workshop</b>  Chair: <i>Prof. Yanjie SONG</i> , The Education University of Hong Kong  Introduction  Topic: <b>Get Your Research Published: Essential Tools and Strategies</b> <i>Yin YANG</i> , The Education University of Hong Kong  Q&A Session  Topic: <b>Unlock Your Early Career Success: Tips and Opportunities for Securing Grants</b> <i>Shurui BAI</i> , The Education University of Hong Kong  Q&A Session  Interactive Session  Closing
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## Early Career Workshop (ECW)

Monday, November 25

09:00–10:30	<b>ECW-1</b>
ECW01	<b>Can Use of Technologies help Reduce Biases in Academic Recruitment?</b> <i>Kashmira DAVE</i>
ECW02	<b>Leveraging AI-Powered Virtual Meeting Summaries: Towards an Evidence-Based Classroom Observation Assessment</b> <i>Arlene Mae CELESTIAL VALDERAMA</i>
<b><u>Advisors</u></b> Tzu-Chi YANG, Assistant Professor, National Yang Ming Chiao Tung University Cheng-Huan CHEN, Associate Professor, National Tsing Hua University Shao-Chen CHANG, Assistant Professor, Yuan Ze University	