

# Conference Program

Monday, 1 December 2025, IIT Madras Campus

Monday, 1 December 2025, Location: IIT Madras Campus		
11:00 to 12:30	<b>Registration</b>	
12:30 to 13: 30	<b>Coffee/Tea Break</b>	ICSR Dining Hall
13:30 to 15:00	<b>W07-1:</b> The 1st Workshop on Extending the Vision for Digital Citizenship to Diverse Contexts with Everyday Computational Thinking Empowerment List of attendees: 1. Shitanshu Mishra, UNESCO, New Delhi, India (organiser) 2. Charu Saini, UNESCO, New Delhi, India (Organiser) 3. Spruha Satavlekar, IIT Bombay, Mumbai, India (Organiser) 4. Rwitajit Majumdar, Kumamoto University, Japan 5. Aswin TS, Vanderbilt University, USA 6. Vishwas Badhe, Maharashtra, India 7. Indrayani Nishane, IIT Bombay, India	ICSR Hall 1
	<b>SW-1: Student Wing</b> Session Chair: <i>Mr. Taisei YAMAUCHI</i> , Kyoto University, Japan <b>Introduction</b> Topic: <b>Let's Have CHAI: Curiosity, Habits, AI, and Identity in Research Life</b> <i>Dr. Rwitajit Majumdar</i> , Kumamoto University, Japan Topic: <b>Researcher in transition: How we build our research identity and resilience with AI as a partner</b> <i>Dr. Darmawansah</i> , Providence University, Taiwan <b>Q&amp;A Session</b>	ICSR Hall2
15:00 to 15:20	<b>Coffee/Tea break</b>	ICSR Dining Hall
15:20 to 17:00	<b>W07-2:</b> The 1st Workshop on Extending the Vision for Digital Citizenship to Diverse Contexts with Everyday Computational Thinking Empowerment List of attendees: 1. Shitanshu Mishra, UNESCO, New Delhi, India (organiser) 2. Charu Saini, UNESCO, New Delhi, India (Organiser) 3. Spruha Satavlekar, IIT Bombay, Mumbai, India (Organiser) 4. Rwitajit Majumdar, Kumamoto University, Japan 5. Aswin TS, Vanderbilt University, USA 6. Vishwas Badhe, Maharashtra, India 7. Indrayani Nishane, IIT Bombay, India	ICSR Hall 1
	<b>SW-2: Student Wing</b> Session Chair: <i>Mr. Taisei YAMAUCHI</i> , Kyoto University, Japan	ICSR Hall2

	<p><b>Group Discussion – Round 1</b>  (Group 1 with <i>Dr. Majumdar</i>, Group 2 with <i>Dr. Darmawansah</i>)</p> <p><b>Group Discussion – Round 2</b>  (Group 1 with <i>Dr. Darmawansah</i>, Group 2 with <i>Dr. Majumdar</i>)</p> <p><b>Sharing - Each group shares key discussion points</b></p> <p><b>Wrap up and Group photo</b></p>	
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# Conference Program

Date: Tuesday, 2 December 2025, IIT Madras Campus

Tuesday, 2 December 2025, IIT Madras Campus		
08:00 to 09:00	<b>Registration</b>	
9:00 to 10:30	<p><b>W03:</b> The 5th ICCE workshop on Embodied Learning: Technology Design, Analytics, and Practices <i>Session Chair: TBA</i></p> <p><b>W03-05F:</b> Integrating Adaptive Cueing in a Physiology-sensitive Learning Platform: Exploring Design Needs <i>Nishchay Singh, Paromita Mitra, Toshihiro Kita, Rwitajit Majumdar and Uttama Lahiri</i></p> <p><b>W03-07F:</b> Embodied Gesture Interactions for a VR-based Commemorative History Game <i>Jesus Alvaro C. Pato, Eric Cesar Jr. E. Vidal and Nicko Caluya</i></p> <p><b>W03-08F:</b> Chain of Embodied learning systems: From proportion to rate of change <i>Priyadharshni Elangaivendan, Chris John, Sruthi Kartha, Melwina Albuquerque, Shizuka Dara, Ashwin Ramaswamy, Vishwaa P S, Murali Karthick, Sreenath Karthick and Sanjay Chandrasekharan</i></p> <p><b>W03-06S:</b> Investigating embodied mathematical reasoning in a touch-based interactive vector system through motor interference <i>Amith Kini, Rencita Pinto, Setu Havanur and Sanjay Chandrasekharan</i></p>	ICSR Hall 1
	<p><b>DSC-1:</b> Doctoral Student Consortium <i>Session Chair: TBA, Mentors: TBA</i></p> <p><b>190:</b> Understanding Learner Interaction Analytics through Data Visualization in Metaverse-Based Learning Environments <i>Akhil Hothi</i></p> <p><b>198:</b> Partners in Integrity: Students, Staff, and Third Spacers <i>Josh Billam and Jon Mason</i></p>	ICSR Hall2
	<p><b>W02-1:</b> The 14th International Workshop on ICT Trends in Emerging Economies (WICTTEE 2025) <i>Session Chair: TBA</i></p> <p><b>W02-03F:</b> Tech-Enabled Collaboration for Filipino Language Intellectualization in Academic Discourse: Terminology Development Platform for a Higher Education Institution <i>John Ronn PARCIA, Mathew Dave BENAVIDEZ, Timothy Sam BENAVIDEZ, Ramon Enrico MARTINEZ &amp; John Byron TUAZON</i></p> <p><b>W02-04F:</b> Analyzing the factors affecting nano-learning behavior of college students on TikTok <i>Elliamae ANG, Maria Alessandra ABALOS, James Lorence SERIL, Kenneth Myrond UY, Franczeska Margaux SILVESTRE, Ryan EBARDO, John Byron</i></p>	ICSR Hall3

	<p><i>TUAZON, &amp; Aris PULUMBARIT</i></p> <p><b>W02-01S:</b> Relationship between Creation and Academic Performance in an Interest-Creation-Driven HyFlex Course <i>Liang Jing TEH, Su Luan WONG, Mohd Zariat ABDUL RANI, Mas Nida MD KHAMBARI &amp; Sai Hong TANG</i></p> <p><b>W02-02S:</b> Validating Computational Thinking Assessment in Malaysia: Evidence from a Multiple-Choice Instrument’ s Concurrent Validity <i>Ahmad Sarji Abdul HAMED, Su Luan WONG, Mohd Zariat Abdul RANI2, Mas Nida Md KHAMBARI, Nur Aira Abd RAHIM, Priscilla MOSES, &amp; Nur Izzati Mat ZIN</i></p>	
	<p><b>W05-1:</b> The 1st Workshop on Empowering Teachers with Evidence Based Decision-Making and Generative AI: Human-Centered Perspectives for the Future of Education <b>Session Chair: TBA</b></p> <p><b>W05-01F:</b> Vid2Log: A Machine Learning Approach to Structured Screen Activity Logging <i>Bhavik Dodda, Vishwas Badhe, Ramkumar Rajendran</i></p> <p><b>W05-02F:</b> QUAiL: A Web-Based Qualitative Analysis Tool for Textual Data <i>Saket Sontakke, Vishwas Badhe, Amit Paikrao, Ramkumar Rajendran</i></p> <p><b>W05-04S:</b> LLM-enhanced Math Text Extracting and Keyword-based Hierarchical Labeling for Digital Learning Infrastructure <i>Taisei YAMAUCHI, Brendan FLANAGAN, &amp; Hiroaki OGATA</i></p>	ICSR Hall4
10:30 to 10:50	<b>Coffee/Tea Break</b>	ICSR Dining Hall
10:50 to 12:20	<p><b>W08:</b> The 1st ICCE workshop on Seamless Learning with Educational Robots and Metaverse Technology(MetaRoboLearn) <b>Session Chair: TBA</b></p> <p><b>W08-01S:</b>Extending the Textbook: Co-designing AI Augmented Interfaces for Mixed Reality Learning in Indian Classrooms <i>Ganesh Beniwal, Sunny Prakash Prajapati, Syaamantak Das, &amp; Rwitajit Majumdar</i></p> <p><b>W08-02S:</b>Exploring Primary School Students’ Perceptions of Educational Robotics for Motivation and Learning <i>Marina Zunic, Martina Holenko Dlab, Kristian Stancin, Natasa Hoic-Bozic</i></p> <p><b>W08-03S:</b>Effects of integrating image-GenAI with game-based learning and argumentation-based instruction on students’ learning effectiveness, computational thinking skills, and metacognitive awareness <i>Ying-Chieh Lin, Ting-Chia Hsu</i></p> <p><b>W08-04S:</b>Fusing Physiological Signals to Build a Cognitive Screening Architecture and Adaptive Learning Environment in the Metaverse <i>Paromita Mitra, Nishchay Singh, Rwitajit Majumdarand Uttama Lahiri</i></p> <p><b>W08-05S:</b>Educational Robotics through Web Applications: From Visual Programming to Simulation-Driven Learning</p>	ICSR Hall 1

	<p><i>Ivan Terzic, Ivica Boticki, Matija Lovrekovic &amp; Lara Topalovic</i></p> <p><b>W08-06S:</b> Privacy in the Age of Robotics: Protecting Personal Data in Classrooms</p> <p><i>Antun Drobnjak, Ivan Terzic, Branko Kirin, Ivica Boticki</i></p>	
	<p><b>DSC-2:</b> Doctoral Student Consortium</p> <p><b>Session Chair:</b> TBA, <b>Mentors:</b> TBA</p> <p><b>208:</b> Enhancing Systemic Understanding of Complex Biological Phenomena through SBF Analogical Stories</p> <p><i>Meera Pawar and Sahana Murthy</i></p> <p><b>209:</b> Towards Pedagogical Design Thinking: Exploring the Role of Scaffolding in Pre-Service Teachers Development as Learning Designer</p> <p><i>Sudhanshu Sharma</i></p>	ICSR Hall2
	<p><b>W02-2:</b> The 14th International Workshop on ICT Trends in Emerging Economies (WICTTEE 2025)</p> <p><b>Session Chair:</b> TBA</p> <p><b>W02-05F:</b> A Correlational Analysis between Technology Literacy and Technology Anxiety among Primary School Teachers in Sepang District, Selangor, Malaysia</p> <p><i>Thilagavathi RAJENDRAN &amp; Su Luan WONG</i></p> <p><b>W02-09F:</b> Exploring the Use of Video Analytics to Support Adaptive Learning and Student Engagement in Thailand</p> <p><i>Wasan Na Chaia, Taneth Ruangrajitpakorna, Charun Phrombuta, Nattapol Kritsuthikula &amp; Thepchai Supnithia</i></p> <p><b>W02-06S:</b> Detecting Cheating in Online Education: A Machine Learning Approach with Label Noise Analysis</p> <p><i>Pham-Duc THO, Nguyen-Anh TU &amp; Bui-Thuy DUONG</i></p> <p><b>W02-08S:</b> AI-ZPD Connection: Scaffolding Learner Experience with Generative Tools</p> <p><i>Arlene Mae Celestial-VALDERAMA</i></p>	ICSR Hall3
	<p><b>W05-2:</b> The 1st Workshop on Empowering Teachers with Evidence Based Decision-Making and Generative AI: Human-Centered Perspectives for the Future of Education</p> <p><b>Session Chair:</b> TBA</p> <p><b>W05-05F:</b> Unlocking Language Learning with AI: Exploring Students' Performance and Computational Thinking Through Mixed Design ANOVA</p> <p><i>Husni Mubarak, Chi-Jen Lin, Nadi Suprpto, Riska Saputra &amp; Utari Dewi</i></p> <p><b>W05-06F:</b> Automated Multilingual Sentiment Analysis of Student Comments in Faculty Evaluations using Transformer Based AI</p> <p><i>Kent Levi Bonifacio, Jheanel Estrada, May Marie Talandron-Felipe, Gladys Ayunar, Ferdinand Jr. Bascones, Nathalie Joy Casildo, Jinky Marcelo</i></p>	ICSR Hall4
12:20 to 13:30	<b>Lunch Break</b>	ICSR Dining Hall
13:30	<b>W04-1:</b> Problem Design & Questioning in the Digital Environment: The	ICSR Hall

to 15:00	<p>18th Workshop on Technology Enhanced Learning by Posing/Solving Problems/Questions  <b>Session Chair: TBA</b>  <b>W04-01F:</b>Scaffolding Causal Understanding via Parameter Exploration in Newtonian Mechanics  <i>Jean Paul PIERRET ROBLES, Nonoka AIKAWA, Kento KOIKE &amp; Takahito TOMOTO</i>  <b>W04-02F:</b>Trial-and-Error Modifications as Cognitive Compensation: Analyzing the Concept Mapping Process in Recomposition Tasks  <i>Kodai WATANABE, Yuma CHOKI, Ridwan RISMANTO, Shimpei MATSUMOTO &amp; Tsukasa HIRASHIMA</i>  <b>W04-03S:</b> Exploring Question Posing-based Learning Teaching Strategy: SQDL  <i>Sumitra SADHUKHAN, Shitanshu MISHRA &amp; Sridhar IYER</i></p>	1
	<p><b>ECW-1: Early Career Workshop</b>  <b>Session Chair: TBA, Mentors: TBA</b>  <b>ECW-01:</b> Viat map: A Constructivist, Toulmin Based Framework for Enhancing EFL Reading Comprehension  <i>Banni Satria Andoko</i>  <b>ECW-02:</b> Exploring the Holistic Impact of Adaptive Formative Assessment for Novice Programmers  <i>Jagadeeswaran THANGARAJ, Monica WARD &amp; Fiona O’RIORDAN</i></p>	ICSR Hall2
	<p><b>W02-3:</b> The 14th International Workshop on ICT Trends in Emerging Economies (WICTTEE 2025)  <b>Session Chair: TBA</b>  <b>W02-010F:</b> SamurAI: AI-Powered Learning App for Speech Therapy in Developing Economies  <i>Christina SIJERA, Ryan EBARDO, Nicole BUERE, Franco CARINO &amp; Caleb RUBIO</i>  <b>W02-011S:</b> A Preliminary Study on Key Variables Related to Students’ Continuance Intention to Pursue Academic Micro-Credentials at Universiti Putra Malaysia  <i>Jiamin GAO, Mas Nida Md KHAMBARI, Su Luan WONG, Jazihan MAHAT, Puspha SUKUMARAN, Nur Aira ABDRAHIM &amp; Mohd Zariat ABD RANI</i>  <b>W02-012S:</b> LAYA VR: Design and Validation of Virtual Reality Scenes for Stress Reduction Among Tertiary Students in Metro Manila  <i>Josh Dane VILLAVICENCIO, Jose Mari Victorio GENUINO, Keisha Nicole TRAJANO, Kendrick Martin CHAN, Norshuhani ZAMIN</i>  <b>W02-013S:</b> Enhancing Research Data Visibility: Developing an Open Data Portal for an HEI in a Developing Economy  <i>Jonathan Angelo BUENO, Lester Paolo DIAZ, Claudio III SANTIAGO, Zach Keindri VILLANUEVA &amp; Mary Jane ARCILLA</i></p>	ICSR Hall3
	<p><b>W09-1:</b> The 2nd Workshop on Large language Models in Education (LLM-Edu 2025)</p>	ICSR Hall4

	<p>Session Chair: Bo JIANG, East China Normal University, China.</p> <p><b>W09-07F:</b>Efficiency or Understanding? Novice Programmers' Problem-Solving With and Without ChatGPT <i>May Marie P. TALANDRON-FELIPE</i></p> <p><b>W09-03F:</b>Comparison of Generative AI and Peer Assessment in Essay Evaluation: Preliminary Study <i>Yasuhisa TAMURA</i></p> <p><b>W09-05F:</b>How Real Is AI Tutoring? Comparing Simulated and Human Dialogues in One-on-One Instruction <i>Ruijia LI, Yuan-Hao JIANG, Jiatong WANG &amp; Bo JIANG</i></p>	
	<p><b>ES(Oral)</b></p> <p>Session Chair: Emmanuel Ayedoun</p> <p><b>189:</b>Learning Analytics for the Metaverse: A Review of Descriptive Analytics and Visualization Tools for Metaverse-Based Learning Environments <i>Akhil Hothi and Syaamantak Das</i></p> <p><b>193:</b>Designing a Computer-Supported Collaborative Argumentation Learning Environment to Counteract Misinformation in Socio-Scientific Issues <i>Ram Das Rai and Sahana Murthy</i></p> <p><b>194:</b>IEC Driven Guitar Etude Optimization System Considering Learner Preferences and Skills <i>Yuto Tsubouchi, Emmanuel Ayedoun and Masataka Tokumaru</i></p> <p><b>199:</b>Evolving Teacher Professional Development in the Age of AI: Revisiting PCK, TPACK, and the DECODE Model <i>Chun-Yen Chang, Chi Tham Trinh and Marison Sudioanto Manalu</i></p> <p><b>203:</b>Preliminary Insights on Learners' Preferences on Pursuing Academic Micro Credentials at Universiti Putra Malaysia <i>Anom Nazirah Mohd Asran, Mas Nida Md Khambari and Jazihan Mahat</i></p>	ICSR Hall5
15:00 to 15:20	<b>Coffee/Tea Break</b>	ICSR Dining Hall
15:20 to 17:00	<p><b>W04-2:</b> Problem Design &amp; Questioning in the Digital Environment: The 18th Workshop on Technology Enhanced Learning by Posing/Solving Problems/Questions <b>Session Chair: TBA</b></p> <p><b>W04-04F:</b>The Effects of Difficulty-Based Question Adaptivity in Formative Assessment on Introductory Programming Learning <i>Jagadeeswaran THANGARAJ, Monica WARD &amp; Fiona O ' RIORDAN</i></p> <p><b>W04-05S:</b>Preliminary Study on the Study of Cognitive Science through the Construction of Problem-Solving Models to Promote AI Literacy <i>Kazuaki Kojima, Kazuhisa Miwa</i></p> <p><b>Panel Discussion</b> New Perspectives on Problem Design &amp; Questioning in the Digital</p>	ICSR Hall 1

Environment	
<b>ECW-2: Early Career Workshop</b> <b>Session Chair: TBA, Mentors: TBA</b> <b>ECW-03 :</b> Advancing Research in CS Ethics Education, EdTech Implementation Frameworks, and Neurodivergent Learning <i>Lakshmi T G</i> <b>ECW-04:</b> Designing AI-powered Scaffolds to Foster Metacognition and Agency in EFL Writing <i>Huiyong LI</i>	ICSR Hall2
<b>W02-4:</b> The 14th International Workshop on ICT Trends in Emerging Economies (WICTTEE 2025) <b>Session Chair: TBA</b> <b>W02-14F:</b> Micro-Communities of Practice for Inclusive Science Teaching in Multilingual Indian Classrooms <i>Zun Phoo MO, Alekh V, Sahana MURTHY</i> <b>W02-15F:</b> Generative AI for Undergraduate Thesis Writing: An Extended Theory of Planned Behavior <i>John Ronn PARCIA, Ramon Enrico MARTINEZ, John Byron TUAZONa*, Ryan EBARDO, &amp; Aris PULUMBARIT</i> <b>W02-16S:</b> Educators' Insight on AI Ethics– A Case Study <i>Aris Pulumbarit and Michelle Renee Ching</i>	ICSR Hall3
<b>W09-2:</b> The 2nd Workshop on Large language Models in Education (LLM-Edu 2025) Session Chair: JiaTong WANG, East China Normal University. <b>W09-04F:</b> The Prompt is Not Enough: Rethinking AI-Learner Interaction in the Post-Prompting Era Lung-Hsiang WONG <b>W09-06S:</b> An AI-Powered STEM Learning Initiative in Space Education Daner SUN, Jingxi LIU, Linze LI, Chee Kit Looi & Zhiwen XU <b>W09-02F:</b> Agentic Workflow for Education: Concepts and Applications Yuan-Hao JIANG, Yijie LU, Ling DAI, Jiatong WANG, Ruijia LI & Bo JIANG	ICSR Hall4
<b>W06:</b> Emerging Ethical Challenges in learning Analytics and Educational Data Mining: The 1t Workshop on Responsible and Equitable Use of learning Data Session Chair: Ashwin Tudur Sadashiva <b>W06-04F:</b> Learning with Caution: Assessing LLM Performance on Answerable and Unanswerable Questions <i>Aditya Raj, Gokul Krishnan, Sanjay Bankapur, Abhilash C B, and Manjunath K Vanahalli</i> <b>W06-05F:</b> Centering Youth Perspectives in Agent Design: Piloting an Activity to Scaffold Discussions on Ethics & Agents <i>Namrata Srivastava, Sarah Burriss, Ashwin T S, Clayton Cohn, Naveed Mohammed, Umesh Timalisina, Menton Deweese, Angela Eeds, and</i>	ICSR Hall5



	<i>Gautam Biswas</i> <b>W06-07F:</b> Mapping Bias: Visualizing Valence-Arousal Distributions to Reveal Affective Gaps in Face Datasets <i>Nithish Chouti, Udayini Vedantham, Avaneesh Sundararajan, Nikhil Karthik, Manjunath K V, Ashwin T S, and Gautam Biswas</i>	
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# Conference Program

**Wednesday, 3 December 2025, IIT Madras Research Park**

C1: AIED/ITS

C2: CSCL

C3: ALT

C4: TEMPL

C5: EGG

C6: TELL

C7: PTP

BOPN: Best Overall Paper Nominations

BSPN: Best Student Paper Nominations

BTDPN: Best Technical Design Paper Nominations

F Full Paper (20 minutes presentation + 5 minutes Q&A)

S Short Paper (10 minutes presentation + 5 minutes Q&A)

<b>Wednesday, 3 December 2025, IIT Madras Research Park</b>		
8:00 to 9:00	<b>Registration</b>	
9:00 to 9:40	<b>Opening Ceremony</b>	Main Audi
9:40 to 10:00	<b>Plenary Talk</b>	Main Audi
10:00 to 10:20	<b>Coffee/Tea break</b> <b>Food Service Station:</b> <b>Dining Area:</b>	<b>Food</b> <b>Service</b> <b>Station:</b>
10:20 to 11:20	<b>Keynote Speech: <i>Manu Kapur</i></b> <b>Productive Failure and the Future of EdTech</b> <b>Session Chair:</b>	Main Audi
11:20 to 12:30	<b>AIED/ITS-1</b> <b>Session Chair:</b> <b>24F:</b> A Computer Vision-Based Approach for Assessing Student Behavioral Engagement in the Classroom <i>Yaping Xu, Haogang Bao, Yaqian Zheng, Siyu Wang, Sisi Wu and Yanyan Li</i> <b>31S:</b> Can GAI improve the writing speed and writing quality? A survey study of college students in China <i>Bijun He</i> <b>7S:</b> Relevant Infinite Content Genesis with Vector Store and AI agents: A PERT-Driven Hybrid Framework for NLP - Enhanced Semantic Retrieval and Evaluation <i>Ayushman Pranav, Rajesh Kumar Modi, Umesh Gupta, Ankit Dubey and Pankaj Mishra</i>	Room 11

	<b>40S:</b> Can GPT Detect Gaming the System in Text Replays? <i>Cristina Maier and Ryan Baker</i>	
	<b>Panel-1</b> <b>Panel Title: Developing AI Literacy for K-12 Students in Different Countries/Regions: Approaches and Challenges</b> Session Chair: Dr. Shuchi Grover, Stanford University, USA	Room 12
	<b>TEML</b> <b>Session Chair:</b> <b>BSPN-65F:</b> A Cross-Platform Engagement Analysis for Supporting Knowledge Transformation Through Complex Learning Settings <i>Manabu Ishihara, Izumi Horikoshi and Hiroaki Ogata</i> <b>62S:</b> A Study of Strategies to Enhance Student Engagement in Middle School Classrooms with Instructional Feedback in a Smart Paper Pen Environment <i>Nan Dang, Jingyi Zhang, Xinyu Sun, Xiaoyan Wang, Huilong Li and Minsheng Fan</i> <b>137S:</b> Predicting Students’ Online Learning— Character Strengths, Online Self-Regulated Learning, and Learning Satisfaction <i>Chin Lee Ker and Gaoxia Zhu</i> <b>149S:</b> Meta AI for Leadership Training: A Pilot Study on Mobile Social Media-Based Blended and Self-Regulated Learning <i>Riska Saputra, Zainul Arifin, Tsaqufal Jaliliy and Husni Mubarak</i>	Room 13
	<b>ALT-1</b> <b>Session Chair:</b> <b>BTDPN-28F:</b> Impact of LLM Feedback on Learner Persistence in Programming <i>Yiqiu Zhou, Maciej Pankiewicz, Luc Paquette and Ryan Baker</i> <b>14S:</b> A Secured Knowledge Management System to enhance the User Experience in Engineering Education <i>Rajeswari K., Vivekanandan N., Sakshi Kulkarni, Janhavi Mali and Vinayak Shete</i> <b>18S:</b> Challenge-Based Learning and ICT Integration in Mechanical Engineering Education: A Case Study on Mechanical Engineering Design Courses <i>Vivekaandan N, Rajeswari K and Yuvraj Kanna N V</i>	Room 41
12:30 to 13:40	<b>Lunch Break</b>	Service Station
13:30 to 14:30	<b>AIED/ITS-2</b> <b>Session Chair:</b> <b>35F:</b> Evaluating the Effectiveness of Large Language Models for Course Recommendation Tasks <i>Boxuan Ma, Md Akib Zabed Khan, Tianyuan Yang, Agoritsa Polyzou</i>	Room 11

	<p><i>and Shin'Ichi Konomi</i></p> <p><b>48F:</b> Investigating Algorithmic Bias in Affect Detectors with Constructed Categories of Student Identity  <i>Nidhi Nasiar, Clara Belitz, Haejin Lee, Frank Stinar, Ryan S. Baker, Jaclyn Ocumpaugh, Stephen Fancsali, Steve Ritter and Nigel Bosch</i></p>	
	<p><b>Theme-Based Invited Speech: Jie-Chi Yang</b></p> <p><b>Session Chair:</b>  Unpacking the Impacts of Learner Differences through Digital Game-Based Learning</p>	Room 12
14:30 to 15:40	<p><b>AIED/ITS-3</b></p> <p><b>Session Chair:</b>  <b>BSPN-53F:</b> Coached by My Future Self: A Syllabus-Driven AI Mentor to Build Grit, Agency, and Learning Performance through a Mantle-of-the-Expert Journey  <i>Yao-En Chen, Vando Gusti Al Hakim, Su-Hang Yang, Jen-Hang Wang, Rayvin Lai and Gwo-Dong Chen</i></p> <p><b>45S:</b> A Federated Learning Neural Network For Student Dropout Prediction  <i>Anuradha Kumari Singh and Karthikeyan S.</i></p> <p><b>42S:</b> Coded Narratives: Leveraging Women AI Scientists' Memoirs for Inspiration and Knowledge in K-12 AI Education  <i>Shuchi Grover</i></p> <p><b>55S:</b> Automatic Distractor Generation in Multiple-Choice Questions Using Large Language Models with Expert-Informed Distractor Strategies  <i>Yusei Nagai and Masaki Uto</i></p>	Room 11
	<p><b>ALT-2</b></p> <p><b>Session Chair:</b>  <b>50F:</b> Too Detailed to Share? Towards Risk-Based Privacy Protection of Fine-Grained Educational Data  <i>Hibiki Ito, Chia-Yu Hsu and Hiroaki Ogata</i></p> <p><b>89F:</b> Logged In and Mindset On: Log Data Based Insights on Engagement and Learnings in Programming CBLEs  <i>Indrayani Nishane, Ramkumar Rajendran and Sridhar Iyer</i></p> <p><b>33S:</b> User Evaluation of a Virtual Patient for Philippine Medical Education  <i>Maria Mercedes T. Rodrigo, Samantha Castaneda, James Alvir Maclin V. Alaan, Paolo Santino P. Caoile, Alec Isaiah Dayupay, Roswold Jemuel Sanchez and Eric Cesar Jr. E. Vidal</i></p>	Room 12
	<p><b>CSCL-1</b></p> <p><b>Session Chair:</b>  <b>BTDPN-81F:</b> Enhancing Learning Achievement through GenAI Assisted Collaborative Drama-Based Role-Play Learning Metaverse in</p>	Room 13

	<p>Higher Education  <i>Su-Hang Yang, Mahesh Liyanawatta, Tzu-Hsien Chuang, Hao Tang, Jen-Hang Wang and Gwo-Dong Chen</i></p> <p><b>83F:</b> How Student-Led Collaborative Metaverse World Creation Fosters Information Literacy and Intercultural Competence: A Quantitative Analysis in a Synchronous International Virtual Exchange  <i>Masako Hayashi, Takehiro Suzuki, Keisuke Goto and Hirokazu Hayama</i></p> <p><b>82S:</b> Persistence in Electronic-Making Projects: A Socio-Cognitive Perspective  <i>Nisumba Soodhani, Ramkumar Rajendran and Sridhar Iyer</i></p>	
	<p><b>PTP-1</b>  Session Chair: Yin Yang, The Education University of Hong Kong</p> <p><b>88F:</b> Developing Teachers' Digital Competence through Expansive Learning: A Study of Teacher-Researcher Collaborative Teaching Research  <i>Junyang Liu, Bian Wu and Dong Li</i></p> <p><b>119F:</b> Computational Thinking (CT) Proficiency Among Malaysian Teacher Trainees: A Cross-Institutional Analysis in the Central Zone  <i>Ahmad Sarji Abdul Hamed, Su Luan Wong, Mohd Zariat Abd Rani, Mas Nida Md Khambari, Nur Aira Abd Rahim, Priscilla Moses and Nur Izzati Mat Zin</i></p> <p><b>99S:</b> Teaching Machine Learning to Senior Primary Students: Evaluating a Course for AI Literacy in a Hong Kong Primary School  <i>Siu Cheung Kong, Yin Yang and So Sum Chow</i></p>	Room 41
15:40 to 16:00	<b>Coffee/Tea break</b>	Service Station:
16:00 to 17:00	<p><b>AIED/ITS-4</b>  <b>Session Chair:</b>  <b>68F:</b> Applicability of Facial Video-Based Alertness Estimation Model in Real Online and In-Person Classrooms  <i>Atsushi Ashida, Ryosuke Kawamura, Hideaki Hayashi and Hajime Nagahara</i></p> <p><b>78S:</b> Generative AI pedagogical agent as learners' inquiry assistant: Designing and implementing Situational Teaching  <i>Lin Li and Yan Liu</i></p> <p><b>87S:</b> Ambiguity Resolution with Human Feedback for Code Writing Tasks  <i>Aditey Nandan and Viraj Kumar</i></p>	Room 11
	<p><b>ALT-3</b>  <b>Session Chair:</b>  <b>93F:</b> How do students do design? A data-driven approach for understanding students' engineering design behaviors</p>	Room 12

	<p><i>Shruti Jain, Namrata Srivastava, Clayton Cohn, Naveeduddin Mohammed and Gautam Biswas</i></p> <p><b>46S:</b> Assessment of Comment Quality in Active Video Watching using Deep Learning</p> <p><i>Chantelle D. M. Baldwin and Antonija Mitrovic</i></p> <p><b>54S:</b> Exploring the Relationship Between System Operation Behaviors and Learning Achievement in Agricultural Education</p> <p><i>Haiqiao Liu, Tsubasa Minematsu, Chengjiu Yin, Sijie Xiong and Atsushi Shimada</i></p>	
	<p><b>CSCL-2</b></p> <p><b>Session Chair:</b></p> <p><b>BOPN-135F:</b> Understanding the Triggers and Dynamics of Socially Shared Metacognitive Regulation in Teams with Divergent Outcomes</p> <p><i>Vishwas Badhe, Ramkumar Rajendran and Chandan Dasgupta</i></p> <p><b>125S:</b> Comparing students' social knowledge construction in the Metaverse-based and chat-based collaborative learning</p> <p><i>Suwandi Suwandi, Darmawansah Darmawansah, Benni Ichsanda Rahman Hz and Hsueh-Hu Chuang</i></p> <p><b>126S:</b> The Use of Sensor Data for the Multimodal Analysis of Mathematical Proof Activity in a CSCL Environment</p> <p><i>Masataka Kaneko, Hironori Egi, Takuya Kitamoto and Takeo Noda</i></p>	Room 13
	<p><b>PTP-2</b></p> <p><b>Session Chair:</b></p> <p><b>146F:</b> Pre-Digital to AI Eras: Changing Role of a Teacher with Technology</p> <p><i>Vinay Yadav, Ishika Ishika and Durgaprasad Karnam</i></p> <p><b>73S:</b> An Exploratory Study on the Influence of Anonymity, Personality, and Social Factors on Participation in Online College Communities</p> <p><i>Ryan Ebardo, Eleana Louise Hernandez, Vanessa Claire Ma, Marco Lorenzo Mitra and Marco Gabriel Tarrosa</i></p> <p><b>148S:</b> An Exploratory Study of a Generative AI Teacher Coach</p> <p><i>Karishma Shanghvi and Sridhar Iyer</i></p>	Room 41
17:00 to 18:00	<p><b>International Program Committee (IPC) Meeting</b></p> <p>All program committee members are welcome to attend this meeting</p>	Room 41
	<p><b>Poster Session 1</b></p> <p>WIPP/SATELUC</p>	Open space
19:00 to 22:00	<p><b>EC Meeting (close door meeting)</b></p>	

# Conference Program

**Thursday, 4 December 2025, IIT Madras Research Park**

C1: AIED/ITS

C2: CSCL

C3: ALT

C4: TEML

C5: EGG

C6: TELL

C7: PTP

BOPN: Best Overall Paper Nominations

BSPN: Best Student Paper Nominations

BTDPN: Best Technical Design Paper Nominations

F Full Paper (20 minutes presentation + 5 minutes Q&A)

S Short Paper (10 minutes presentation + 5 minutes Q&A)

<b>Thursday, 4 December 2025, IIT Madras Research Park</b>		
8:30 to 9:00	<b>Registration</b>	
9:00 to 10:00	<b>Keynote Speech: <i>John Stamper</i></b> <b>Are we in a Post-Data Edtech World?</b> <i>Session Chair:</i>	Main Audi
10:00 to 10:20	<b>Coffee/Tea break</b>	<b>Food Service Station:</b>
10:20 to 11:20	<b>Theme-Based Invited Speech: Martina Holenko Dlab</b> <i>Session Chair:</i> <b>Aligning educational technology innovation with learning objectives through learner-centered design</b>	Room 11
	<b>Theme-Based Invited Speech: Yun Wen</b> <i>Session Chair:</i> <b>Evolving Learner Agency: From AI Support to Learner-AI Shared in Second Language Learning</b>	Room 12
11:20 to 12:30	<b>AIED/ITS-5</b> <i>Session Chair:</i> <b>67F:</b> Investigating the Effectiveness of Explanations in Active Video Watching <i>Raul Vincent Lumapas, Antonija Mitrovic, Matthias Galster,Sanna Katariina Malinen and Jay Holland</i> <b>61S:</b> The Construction of Evaluation Indicators for Intelligent Educational Software and the Measurement of Its Developmental Level <i>Bo Zhang, Yuanyuan Li, Qianchao Xing, Yuhan Chen and Xinying Wang</i> <b>63S:</b> A Study of Precise Instructional Intervention Strategies Based on Learner Portraits <i>Jingyi Zhang, Xinyu Sun, Nan Dang, Meng Li, Huilong Li, Minsheng Fan and Weitong Guo</i>	Room 11

	<p><b>136S:</b> A Human-AI Collaborative Assessment of AI-Generated vs.Human-Created MCQ Distractors <i>Zifeng Liu, Priyadharshini Ganapathy Prasad, Bach Ngo,Xinyue Jiao and Wanli Xing</i></p>	
	<p><b>ALT-4</b> <b>Session Chair:</b> <b>BOPN-95F:</b> Quantifying the Benefits of the Reread- Before-Answer Strategy in Japanese High- School EFL <i>Isanka Wijerathne, Brendan Flanagan and Hiroaki Ogata</i> <b>76S:</b> Learning from Others’ Codes in Game-based Robot Programming: Behavioral Patterns and Outcomes <i>Shintaro Maeda, Kento Koike and Tomoto Takahito</i> <b>100S:</b> Teacher-Involved Automatic Characteristics Classification in Handwritten Math Answer Process <i>Shunsuke Tonosaki, Taito Kano, Chia-Yu Hsu and Hiroaki Ogata</i></p>	Room 12
	<p><b>Panel-2</b> <b>Panel Title: Professional Development of STEM Teachers Using The DECODE Model in India and Taiwan</b> Session Chair:<i>Chun-Yen CHANG</i></p>	Room 13
	<p><b>PTP-3</b> Session Chair:TBA <b>BTDPN-120F:</b>Predicting Learners’ State of Mind from Cross-Contextual Educational Log Data <i>Junya Atake, Chia-Yu Hsu and Hiroaki Ogata</i> <b>80S</b> :Confronting the Impact and Challenges of the AI Era:Teachers' Creative Use of Digital Tools to Enhance Digital Teaching Competence <i>Lin Li and Yan Liu</i> <b>104S:</b>Co-Designing AI and Multimodal Analytics Integrated Reflective Learning in Japanese High School Context <i>Rwitajit Majumdar, Shin-Ichiro Kubota and Huiyong Li</i></p>	Room 41
12:30 to 13:30	<b>Lunch Break</b>	<b>Service Station:</b>
13:30 to 14:30	<p><b>Keynote Speech: Andrew Thangaraj</b> <b>Large Scale Interventions in Higher Education</b> <b>Session Chair:</b></p>	Main Audi
14:30 to 15:40	<p><b>AIED/ITS-6</b> <b>Session Chair:</b> <b>72F:</b> Identifying Cognitive and Metacognitive Processes Using Retrospective and Concurrent Think-Aloud Protocols <i>Rumana Pathan, Sahana Murthy and Ramkumar Rajendran</i> <b>141F:</b>AI Support for Translanguaging in International School Classrooms</p>	Room 11



	<p><i>Alina Guha, Gyeongri Kim, Shamyia Karumbaiah, Esther Bettney Heidt and Mariana Castro</i></p> <p><b>122S:</b>Idea Space Change Process Visualization System for Supporting Interpretation of Thinking Strategy in Research Instruction</p> <p><i>Kota Kunori and Tomoko Kojiri</i></p>	
	<p><b>ALT-5</b></p> <p><b>Session Chair:</b></p> <p><b>167F:</b>Evaluating Students’ Scientific Inquiry Strategies in Large-Scale Digital Assessments</p> <p><i>Namrata Srivastava, Emma Linsenmayer, Mario Piacentini and Gautam Biswas</i></p> <p><b>44S:</b>Critical Thinking as a Dynamic System: Tracking Nonlinear Development through Reading Study Worksheets in Elementary Science</p> <p><i>Manyu Huang, Xueqing Zhou and Guang Chen</i></p> <p><b>60S:</b>CodeRunner Agent: Integrating AI Feedback and Self-Regulated Learning to Support Programming Education</p> <p><i>Huiyong Li and Boxuan Ma</i></p> <p><b>70S:</b>Trial Analysis on Behavioral Logs to Identify Risk Tactics and Infer Non-Cognitive Skills in Elementary Students</p> <p><i>Shiang-Yi Chou, Taku Kawada, Yasuhiro Sato, Tadashi Inagaki and Toru Nagahama</i></p>	Room 12
	<p><b>EGG-1</b></p> <p><b>Session Chair:</b></p> <p><b>34F:</b> Impact of Gamification on Engagement and Learning in Video-Based Platforms</p> <p><i>Pasan Peiris, Matthias Galster, Antonija Mitrovic, Sanna Malinen, Ehsan Bojnordi and Jay Holland</i></p> <p><b>97S:</b> Integrating Generative AI into Escape Room-Based Learning:Effects on Nursing Students’ Clinical Skills, Flow Experience, and Self-Efficacy</p> <p><i>Intan Setiani, Ching Yi Chang, Riska Saputra and Jie Chi Yang</i></p> <p><b>98S:</b> Enhancing Cybersecurity Skills with a 20Q Game: Knowledge-Based Recommender Systems</p> <p><i>Jesudhas Yogarajah, Gahangir Hossain and Dr. Kinshuk</i></p>	Room 13
	<p><b>PTP-4</b></p> <p><b>Session Chair:</b></p> <p><b>BOPN-121F:</b>Empowering, Not Replacing: Using AI to Coach Educators in Providing Effective Feedback</p> <p><i>Antonette Shibani, Jayakrishnan Warriem, Lisa-Angelique Lim, Gnana Bharathy and Arup Chattopadhyay</i></p> <p><b>118S:</b>Visualizing Knowledge-Based Learning Logs to Support Multi-Perspective K-12 Math Instruction</p>	Room 41

	<p><i>Yudai Okayama, Junya Atake, Kensuke Takii, Changhao Liang and Hiroaki Ogata</i></p> <p><b>127S:</b>Conflow: An Online Concept-Mapping Tool to Measure Conceptual Fluency</p> <p><i>Shivin Agarwal, Anveshna Srivastava and Nisheeth Srivastava</i></p> <p><b>151S:</b>Learning Sciences in Action: A Reflective Case on the Pedagogy of a Learning Sciences Course for Postgraduates</p> <p><i>Durgaprasad Karnam and Amrit Pal Singh</i></p>	
15:40 to 16:00	<b>Coffee/Tea break</b>	<b>Food Service Station:</b>
16:00 to 17:00	<p><b>AIED/ITS-7</b></p> <p><b>Session Chair:</b></p> <p><b>69F:</b>Towards Scalable Annotation of Math Word Problems: Knowledge Component Tagging via LLMs and Sentence Embeddings</p> <p><i>Chor Seng Tan, Chengwei Wei and Jung-jae Kim</i></p> <p><b>90S:</b>Write or not to Write. Attitudes of Students and Academics towards Written Dissertations in the Light of Artificial Intelligence Development</p> <p><i>Ewa Duda, Ewelina Młynarczyk-Karabin and Julia</i></p> <p><b>124S:</b>Audience Robot Control System Adapted to Presenter's Skills for Presentation Practice</p> <p><i>Yuya Kishimoto and Tomoko Kojiri</i></p>	Room 11
	<p><b>ALT-6</b></p> <p><b>Session Chair:</b></p> <p><b>108F:</b>Investigating the Impact of Time Constraints on Sudoku Solving: A Multimodal Analysis of Cognitive and Affective States</p> <p><i>Deepika Yadav, Tushar Patle, Sonika Pal, Amit Paikrao and Ritayan Mitra</i></p> <p><b>111F:</b>Unpacking student engagement with everyday ethics in GenAI mediated dialogue</p> <p><i>Lakshmi T G, Gurudeo Thakare, Alekh Velayudhan and Karishma Shanghvi</i></p>	Room 12
	<p><b>EGG-2</b></p> <p><b>Session Chair:</b></p> <p><b>86F:</b> Impact of Digital Learning Game Narratives on Affective Experiences and Learning</p> <p><i>J. Elizabeth Richey, Daniel Pollock, Mahboobeh Mehrvarz, Aditi Haiman, Hayden Stec, Leah Teffera and Bruce M. McLaren</i></p> <p><b>96F:</b> From Roof Cracks to Wound Healing: How SBF Analogy Shapes Students' Reasoning in Complex Biology Processes</p> <p><i>Meera Pawar, Rajashri Priyadarshini and Sahana Murthy</i></p>	Room 13
	<b>PTP-5</b>	Room 41

	<p><b>Session Chair:</b></p> <p><b>39F:</b>Attaining the Program Educational Objectives of the IT Program Three to Five Years After Graduation: An Evidence-Based Approach  <i>Arlene Mae Celestial-Valderama, Roel Trabballo, Don Erick Bonus and Sharmaine Justyne Maglapuz</i></p> <p><b>160S:</b>Analysis and Comparative of the Academic Draft on Coding and Artificial Intelligence Education in Indonesia Primary and Secondary Schools  <i>Riska Saputra and Adventhius Immanuel Karo Karo</i></p> <p><b>166S:</b>Configurational Influence of Self-Efficacy, Learning Strategies, and Emotions on MOOC Learning Outcomes: An fsQCA Analysis  <i>Felix Arokiya Raj A.P. and Arul Aram I.</i></p>	
17:00 to 18:00	<p><b>Poster Session 2</b></p> <p>Poster/ES(poster)</p>	open space
19:00 to 21:00	<p><b>Dinner Banquet</b></p>	

# Conference Program

**Friday, 5 December 2025, IIT Madras Research Park**

C1: AIED/ITS

C2: CSCL

C3: ALT

C4: TEML

C5: EGG

C6: TELL

C7: PTP

BOPN: Best Overall Paper Nominations

BSPN: Best Student Paper Nominations

BTDPN: Best Technical Design Paper Nominations

F Full Paper (20 minutes presentation + 5 minutes Q&A)

S Short Paper (10 minutes presentation + 5 minutes Q&A)

Friday, 5 December 2025, IIT Madras Research Park		
8:30 to 9:00	<b>Registration</b>	
9:00 to 10:00	<b>Keynote Speech: <i>Minhong Wang</i></b> <b>Rethinking How People Learn in the Age of AI</b> <i>Session Chair:</i>	Main Audi
10:00 to 10:20	<b>Coffee/Tea break</b>	<b>Food Service Station:</b>
10:20 to 11:20	<b>AIED/ITS-8</b> <i>Session Chair:</i> <b>85F:</b> Did You Mispronounce or Did I Mishear? – Detecting Kanji Mispronunciations in Children's Oral Reading <i>Takuya Matsuzaki and Arata Saito</i> <i>Więckiewicz-Modrzewska</i> <b>91S:</b> Small but Significant: On the Promise of Small Language Models for Accessible AIED <i>Yumou Wei, Paulo Carvalho and John Stamper</i> <b>92S:</b> SRL profiles in math problem-solving: The Essential Role of Monitoring and Translating for Outcomes and Beliefs <i>Nidhi Nasiar, Jaclyn Ocumpaugh, Ryan S. Baker, Caitlin Mills, Samuel Rhodes and Sheela Sethuraman</i>	Room 11
	<b>ALT-7</b> <i>Session Chair:</i> <b>113F:</b> Dialogic Expertise in Practice: How Expert Teachers Orchestrate Classroom Talk in Distinct Mathematics Lesson Types <i>Siyu Wang, Yaqian Zheng, Mingze Sun and Yanyan Li</i> <b>114S:</b> Recomposition-Based Learning for Promoting Structural Understanding - Facilitating Internal Representation through the Manipulation of External Representations <i>Tsukasa Hirashima and Kodai Watanabe</i> <b>116S:</b> Behavior-Aware Argumentation: Integrating Toulmin's Model	Room 12

	<p>for Adaptive Learning in Digital Environments  Banni Satria Andoko, Vivin Ayu Lestari, Rosa Andrie Asmara, Usman Nurhasan, Galih Putra Riatma, Ananda Galih Pratiwi and Tsukasa Hirashima</p>	
	<p><b>TELL-1</b>  <b>Session Chair:</b>  <b>71F:</b> Chatbot Personalisation for EFL Learning: Integrating BKT and Task Context  Steve Woollaston, Brendan Flanagan and Hiroaki Ogata  <b>140S:</b> Investigating the Impact of AI Generated Mnemonic Illustrations on Learning Japanese Kanji  Mayur Bhurle, Vishwas Badhe and Ramkumar Rajendran  <b>153S:</b> EmotiCon: Enhancing Public Speaking Training with Context-Aware Feedback on Emotional Delivery  Yash Desai, Praneeth Kasiraju, Syaamantak Das and Ramkumar Rajendran</p>	Room 13
11:20 to 12:30	<p><b>AIED/ITS-9</b>  <b>Session Chair:</b>  <b>162F:</b> GAI Pedagogical Agents and Teacher-Guided Prompt Use in EFL Debate Training  Farhad Cassim and Jie Chi Yang  <b>101S:</b> Effects of Gen AI in Enhancing Pre-service Teachers' Instructional Design Competency: A Quasi-Experimental Study  Le Zhang, Hongchao Peng and Mingrui Zhang  <b>105S:</b> An Exploration of the Impact of Using ChatGPT on Students' On-Task Performance and Task Success  Arnel Ocaj and Maria Mercedes Rodrigo</p>	Room 11
	<p><b>ALT-8</b>  <b>Session Chair:</b>  <b>BSPN-163F:</b> Do Categorical Emotions Have Intensity? Modeling Emotional Intensity Transitions by Task, Peer, and Environment Causes  Ryan Li, Ashwin T S, Divya Mereddy and Gautam Biswas  <b>128S:</b> Dual Analysis of Literature and Existing Tools for Establishment of Acceptable xAPI Profile for Collaborative Learning  Mitsushiro Ezoe, Yasuhisa Tamura and Ren Komatsuzaki  <b>145S:</b> Enhancing Retrospective Think-Aloud Protocols with Eye-Gaze data  Amit Paikrao, Debarshi Nath, Ramkumar Rajendran and Ritayan Mitra</p>	Room 12
	<p><b>TELL-2</b>  <b>Session Chair:</b>  <b>41F:</b> Exploring EFL Learners' Perceptions of Generative AI through</p>	Room 13

	<p>the Technology Acceptance Model: Insights from an AI Literacy Program  <i>Michiyo Oda, Ryo Saito and Tatsuya Horita</i></p> <p><b>29S:</b> Designing Metaverse-based language learning: How pre-service teachers applied the Triple-E framework  <i>Thien-Bao Nguyen, Darmawansah Darmawansah and Van-Phu Nguyen</i></p> <p><b>77S:</b> Web Application to Help Learn English Using Medical Bilingual Corpus - Updates to Improve Learners' Writing Skills  <i>Riku Yasuda, Yoshinori Miyazaki, Motoko Asano and Miho Fujieda</i></p>	
12:30 to 13:30	<p><b>Lunch Break</b></p> <p><b>Food Service Station:</b></p> <p><b>Dining Area:</b></p>	<b>Service Station:</b>
13:30 to 14:30	<p><b>AIED/ITS-10</b></p> <p><b>Session Chair:</b></p> <p><b>110S:</b>RoboTuB: Retrieval-Augmented Tutoring for Adaptive Learning in STEM MOOCs  <i>Avijit Pandey, Gaurav Misra, Sunny Prajapati and Syaamantak Das</i></p> <p><b>147S:</b>Bridging Computational Thinking skill gaps with ASSET and Mindspark CT  <i>Ashwini Chandrashekhar and Aditya Vikram Singhania</i></p> <p><b>165S:</b>Educational Cone Model in Embedding Vector Spaces  <i>Yo Ehara</i></p>	Room 11
	<p><b>ALT-9</b></p> <p><b>Session Chair:</b></p> <p><b>123F:</b>A Deep-Learning Technique for Converting Bengali Handwritten Answer-Book Images into Text  <i>Moumita Moitra, Malay Kumar Majhi and Sujan K Saha</i></p> <p><b>156F:</b>VisionTutor: An Adaptive Tutoring Platform for Real-Time Progressive Learning  <i>Sunil Gopal C V, Shreyas Gutti, Sudhan S, Sushanth R, Abhilash C B, Rohitaksha K, Manjunath K V and Ashwin T S</i></p>	Room 12
14:30 to 15:00	<b>Closing Ceremony</b>	Main Audi

## Poster Session 1

Wednesday, 3 December 2025, 17:00-18:00

### WIPP :

- |                |  |
|----------------|--|
| <b>175WIPP</b> | AI-enabled Multimodal Feedback for Chinese as a Second Language Learners<br><i>Xinyu Guo and Yun Wen</i>   |
| <b>176WIPP</b> | Potential of Synthetic Voice in Multilingual Educational Environments: Utilizing Generative AI in XR and Metaverse-Based International Virtual Exchange<br><i>Marvin Eder and Masako Hayashi</i>   |
| <b>177WIPP</b> | Evaluation of the "Simulator for the Worsening of Bioaccumulation" Linking the Marine Environment and Daily Life<br><i>Yuka Matsuyama, Keita Muratsu, Shinichi Kamiyama, Hideo Funaoi and Tomokazu Yamamoto</i>                                  |
| <b>178WIPP</b> | A Collaborative MMORPG Card Game with Dual-Dimensional Peer Scaffolding for Reading Comprehension: A Pilot Study<br><i>Cheng-Tai Li and Huei-Tse Hou</i>   |
| <b>179WIPP</b> | A Science Experiment Platform Integrating AI Tutors in a Head-Mounted Display Augmented Reality Environment<br><i>Wei-Tung Wang, Yu-Chien Huang, Ying-Siou Chen and Chen-Chung Liu</i>   |
| <b>184WIPP</b> | Computer-Mediated Learner-Centered Error-Correction Activities: Opportunities and Challenges<br><i>Fu-Yun Yu</i>   |
| <b>186WIPP</b> | Does the Relationship Between Media Multitasking and Task-Unrelated Thoughts During University Lectures Vary as a Function of Device Usage Restriction?<br><i>Taisuke Morita</i>   |
| <b>187WIPP</b> | Enhancing Reading Motivation and Engagement through Virtual Pet-Based Gamification<br><i>Jhih-Kai Tang, Yi-Cheng Tsai, Chang-Yen Liao and Tak-Wai Chan</i>   |
| <b>188WIPP</b> | Objective Evaluation Metrics from Behavioral Logs in Metaverse-Based International Virtual Exchange: Total Movement Distance and Learners' Self-Reported Intercultural Understanding<br><i>Manato Abe, Masako Hayashi and Yoshifumi Kitamura</i> |
| <b>192WIPP</b> | Method for Extracting Unique Meanings of Synonyms Using Word2Vec for Vocabulary Learning<br><i>Yuto Kakuta, Daiki Maeda and Tomoko Kojiri</i>  |
| <b>201WIPP</b> | Support System for Understanding Class Design with Reusability and Maintainability<br><i>Kazuma Kuwada and Tomoko Kojiri</i>   |
| <b>205WIPP</b> | Proposal of Visualization for Test Execution Results of programming with Automated Testing<br><i>Raiya Yamamoto, Keita Miyaki, Yasuhiro Noguchi, Satoru Kogure, Koichi Yamashita and Tatsuhiko Konishi</i>                                       |
| <b>212WIPP</b> | The Evolving Patterns of Collective Attention among Lurkers in a cMOOC   |

**SATELUC :**

- 174SATELUC** Reducing Teachers' Techno-anxiety and Technostress through AI-TPACK  
*Nataliia Demeshkant and Sławomir Trusz*
- 182SATELUC** A Study on the Performance of a RAG-Augmented Interview Chatbot  
*Irsyad Arif Mashudi, Muhammad Rifat Anwar and Yoppy Yunhasnawa*
- 183SATELUC** Is the Polish school system keeping pace with the digital revolution? Artificial intelligence in the context of the PISA and PIAAC results  
*Ewa Duda and Ewa Weremczuk-Marczyńska*
- 207SATELUC** From Use to Insight: Employee Perceptions and Barriers to E-Training Apps in Kuwait's Civil Service  
*Nada Alajmi, Mas Nida Md Khambari, Su Luan Wong and Nur Aira Abdrahim*
- 210SATELUC** LLM Agent Collaboration for Educational Strategy Design  
*Bjanka Vrljić, Ivica Botički and Kristijan Poje*
- 211SATELUC** Privacy-Focused AI Avatar for Educational Robotics in the Metaverse  
*Lovro Jakic, Mario Vukoja, Antun Drobnjak, Ivan Terzic and Ivica Boticki*



## Poster Session 2

Thursday, 4 December 2025, 17:00-18:00

### AIED/ITS :

- 74P** Generative AI and Multimodal Profiling in Programming Education: A Systematic Review of Tools, Pedagogical Impacts, and Future Competencies  
*Aboul Hassane Cisse and Shoya Ishimaru*
- 112P** Designing an AI Reading Assistant to Support Home–School Engagement  
*Jhih-Kai Tang, Yi-Cheng Tsai, Jia-Yan Lee and Chang-Yen Liao*
- 115P** Alternative Story Construction Support System for Narrative Therapy through Fact Recall Assistance  
*Rei Muguruma, Yano Shogo and Tomoko Kojiri*
- 150P** Fostering Creative Thinking in Animation Scriptwriting through AI-Driven Analysis and Socratic Questioning  
*Panadda Jaiboonlue, Wasan Na Chai and Nattapol Kritsuthikul*

### ALT :

- 30P** Improvement of a Japanese Language Learning Support System that Enables Word Accent Learning  
*Kazuki Tomita, Satoru Kogure, Yasuhiro Noguchi, Koichi Yamashita, Tatsuhiko Konishi and Makoto Kondo*
- 32P** Introducing ReaDLex: An IRT-Based Assessment of Definition-Based Comprehension Skills  
*Noriko Arai, Naoya Todo, Teiko Arai, Shingo Sugawara, Takuya Matsuzaki and Koken Ozaki*
- 36P** A Dual-Framework Approach to Evaluate Marker less AR Application: Insights from SUS and HARUS Questionnaires  
*Ajay Shankar Tiwari, Toluchuri Shalini Shanker Rao, Utanko Mitra and Kaushal Kumar Bhagat*
- 56P** Multimodal Trait Scoring for Video Interviews Using Neural Models with Handcrafted Features and Trait-Attention  
*Taichi Kitajima and Masaki Uto*
- 84P** Learning Support System Visualizing Behavior of Student Program in Object Oriented Language Based on Teacher's Intent of Instruction  
*Koichi Yamashita, Kenzo Kobayashi, Takuma Kokubo, Satoru Kogure, Yasuhiro Noguchi, Raiya Yamamoto, Tatsuhiko Konishi and Yukihiro Itoh*
- 106P** Development of a Coding Framework for Cognitive Engagement Based on Online Asynchronous Discussion  
*Junhao Wan and Guang Chen*

### PTP :

- 17P** An Online Drill-and-Practice System Anchoring the Cultivation of a Growth Mindset: Design Concepts, Core Components, and Preliminary Evaluation

*Fu-Yun Yu*

- 47P** Effect of ISIED Education Activities on The Development of Students' Key Competency  
*Yuhan Zhou, Jiaru Wu and Guang Chen*

- 164P** Exploring Course Structure that Provides Agency to Participate in Group Discussion  
*Sumitra Sadhukhan, Leena Bhattacharya and Sridhar*

**EGG :**

- 139P** Design and Testing of a VR Escape Room Game for Philippine Martial Law History  
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