AIFE 2026 SINGAPORE · AI FOR EDUCATION SINGAPORE CONFERENCE

Brief Programme Book

16–18 November 2026
National Institute of Education, Singapore

Day 1 · Monday, 16 Nov

09:00–12:00 Pre-conference Workshops 1-5
Porayska-Pomsta (TR701) · Rosé (TR703) · Zhai (TR705) · Zhang (TR710) · Liu, NVIDIA (TR715)

12:00–13:00 Lunch for workshop participants
Bento in workshop venues

12:00–13:00 Conference Registration
Outside LT1

13:30–14:30 Opening Ceremony
LT1 · please be seated by 13:15

14:30–14:45 Intermission
LT1

14:45–15:45 Keynote 1: Prof Kaśka Porayska-Pomsta
Did I Say What You Wanted to Hear, and Did You Learn? The Art and Craft of Learning with AI · LT1

15:45–16:15 Light Refreshments
Outside LT1

16:15–17:15 Spotlight 1: Prof Bertrand Meyer
Educators in the Eye of the Cyclone: With AI, What Helps, What Hurts, What Remains? · LT1

17:15–18:00 Spotlight 2: Asst Prof Chow Minyang
Deskilling to Discernment · LT1

18:00–18:15 Bus Transfer to MRT
NIE Block 1 Foyer (limited)

Day 2 · Tuesday, 17 Nov

09:00–10:00 Keynote 2: Prof Zhang Yu
Future Education Paradigm in the Age of AI · LT1

10:00–10:30 Tea Break
Outside LT1

10:30–12:00 Concurrent Sessions 1A–1G

1A NIE7-TR701 Symposium (Strand 2)	**1B** NIE7-TR702 Strand 2
1C NIE7-TR703 Strand 2	**1D** NIE7-TR704 Strand 4
1E NIE7-TR705 Strands 2 & 5	**1F** NIE7-TR708 Strand 3
1G NIE7-TR710 Strands 1 & 4	

11:00–13:00 Open Demo Session
SPHERE Lab @NIE2-02-02A

12:00–13:00 Lunch & Poster Session
Outside LT1

13:00–14:00 Keynote 3: Prof Zhai Xiaoming
Advancing Discipline-based AI Literacy in Science · LT1

14:00–15:30 Concurrent Sessions 2A–2G

2A NIE7-TR701 Symposium & Presentation (Strand 4)	**2B** NIE7-TR702 Strand 4
2C NIE7-TR703 Strand 2	**2D** NIE7-TR704 Strand 2
2E NIE7-TR705 Strands 5 & 6	**2F** NIE7-TR708 Strands 2 & 3
2G NIE7-TR710 Strands 2 & 6	

Tea break at EMERGENT, NIE7A Level 1

15:30–16:15 Spotlight 3: Amazon Web Services
LT1

16:15–17:00 Spotlight 4: Dr Megani Rajendran (NVIDIA)
Digital Twins and Embodied AI: From Simulation to Real-World Learning · LT1

17:00–18:00 Reception & Networking
Outside LT1

18:00–18:15 Bus Transfer to MRT
NIE Block 1 Foyer (limited)

Day 3 · Wednesday, 18 Nov

09:00–10:00 Keynote 4: Prof Carolyn Penstein Rosé
New Learning Opportunities with AI Agent Facilitators of Collaborative Learning · LT1

10:00–10:30 Tea Break
Outside LT1

10:30–12:00 Concurrent Sessions 3A–3G

3A NIE7-TR701 Symposium (Strand 5)	**3B** NIE7-TR702 Strand 2
3C NIE7-TR703 Strand 2	**3D** NIE7-TR704 Strand 4
3E NIE7-TR705 Strands 2 & 3	**3F** NIE7-TR708 Strands 2 & 4
3G NIE7-TR710 Strands 2 & 6	

11:00–13:00 Open Demo Session
SPHERE Lab @NIE2-02-02A

12:00–13:00 Lunch & Poster Session
Outside LT1

13:00–14:00 Keynote 5: Asst Prof Farhan Ali
LT1

14:00–14:45 Spotlight 5: Dr Mohamed Arif Bin Mohamed
Teaching Beyond the Prompt: Designing AI Experiences That Make Students Think · LT1

14:45–16:00 Concurrent Sessions 4A–4F

Tea break at EMERGENT, NIE7A Level 1

16:00–16:45 Spotlight 6: Mr Felix Goh (Google)
Who's Driving the Lesson? Keeping Educators and Learners in the Lead with Grounded AI · LT1

16:45–17:30 Spotlight 7: Asst Prof Lee Gyeonggeon
Translanguaging Between Human and Machine Languages · LT1

17:30–18:00 Closing Ceremony & Prize Giving
LT1

Keynote / Ceremony · Spotlight · Concurrent sessions · Breaks & networking · All days 09:00–18:00: Tradeshow (NIE7A-01-07), Secretariat (NIE7-TR706), Hotdesking Room (NIE7-TR714)

Concurrent Sessions: Talks

Columns: time · Paper ID · type — F = Full Paper, ES = Extended Summary, SYM = Symposium · title and authors. Session code = session number + room letter.

Concurrent Sessions 1 Tuesday, 17 November · 10:30-12:00

1A NIE7-TR701 Symposium (Strand 2)

10:30-11:30	10	SYM	**Innovating AI for Impact: People, Pedagogy, Purpose** *Chee Leong Lim, Laurence Liew (mod), Chris Griffiths, Serene Chng, Yvonne Soh*

1B NIE7-TR702 Strand 2

10:30-10:50	90	F	**Students' cognitive and metacognitive interaction patterns with generative AI for scientific inquiry** *Joonhyeong Park, Guangji Yuan, Farhan Ali, Samuel Tan, Zhenyi Huang*
10:50-11:10	153	F	**Problem Statement Auditing in Engineering Design: An LLM-Based Socratic Scaffold** *Aleksandar Kostadinov, Xukun Ma*
11:10-11:25	80	ES	**AI as Scaffold, Not Shortcut: Preserving Productive Struggle in Inquiry-Based Science Learning** *Yew Bing Simon Teo, Han Chong Timothy Tan*
11:25-11:40	32	ES	**AI as a Pedagogical Partner in Integrated STEM Education** *Tang Wee Teo, Darren Wong*
11:40-11:55	74	ES	**Co-constructing knowledge through human-AI collaboration in physics learning** *Päivi Häkkinen et al.*

1C NIE7-TR703 Strand 2

10:30-10:50	159	F	**Does Spatially Anchored AI Feedback Improve Learners' Ability to Locate, Interpret, and Apply Feedback on Handwritten Work?** *Matthew Tai Kit Phua, Esther Jia En Chan, Ayra Binti Mohammed, Htet Myat Ko Ko*
10:50-11:10	125	F	**From Content Delivery to Cognitive Orchestration: Reinterpreting AI-Empowered Python Instruction Through the MTA-TPACK Framework** *Hung-Cheng Chen, Lung-Hsiang Wong*
11:10-11:30	51	F	**AI-Enhanced Morphophonemic Feedback for Tamil Writing: A Design-Based Study of Low-Resource Language Learning** *Kingston Pal Thamburaj, Mercedes Premalatha Ramesh*
11:30-11:45	21	ES	**Making AI Feedback Meaningful: Teacher and Student Experiences in AI Augmented Concept Mapping** *Zaki Pauzi, Ryan Lowe, Matthew Pryor, Manolis Mavrikis, Maria Kambouri*
11:45-12:00	95	ES	**Training Higher Education Students to Co-Create with Generative AI in Creative Problem Solving: The Role of Professional Identity and Motivation** *Xun Yu Chai*

1D NIE7-TR704 Strand 4

10:30-10:50	57	F	**What Are We Trying to Protect? A Five-Stage Design Model for Whole-School AI Implementation** *Vaughn Littlejohns*
10:50-11:10	70	F	**Rethinking Technology Acceptance in Generative AI Learning Contexts: Students' Perspectives from Higher Education** *Hee Jhee Jiow, Caleb Or, Adeline Tay, Yong En Nah*
11:10-11:25	22	ES	**Artificial Intelligence as the New Administrator: Transforming Educational Governance in South Asian Universities** *Md. Harun Rashid, Intan Marfarrina Binti Omar*
11:25-11:40	116	ES	**Design-Based Study of a Multimodal Learning Analytics Phonics Prototype** *Pauline Lim*
11:40-11:55	20	ES	**Learning to Prompt: Evaluating an Experiential AI Workshop Through LLM-Based Prompt Quality Assessment** *Ji-Eun Lee, Anieyrudh R, Nachamma Sockalingam, King Wang Poon*

1E NIE7-TR705 Strands 2 & 5

10:30-10:50	118	F	**Ethical AI in Education - A Theoretical Framework** *Astha Saxena*
10:50-11:10	129	F	**Developing Ethical, Transparent, and Human-Centered AI Governance Ecosystems for Quality Assurance and Sustainable Transformation in Higher Education** *Umrbek Djumaniyazov*
11:10-11:30	123	F	**Ethical AI Literacy Under Pressure: A Reflective Practitioner Analysis of Discipline-Sensitive Assessment Design** *Nilanjan Raghunath, Sumbul Khan*
11:30-11:45	114	ES	**Ethical AI Use in Mathematics Education: Preliminary Survey Evidence from Mathematics Teachers and Mathematics Teacher Educators** *Edward Agunya Asoo, Marcus S. Moore, Jon D. Davis*
11:45-12:00	143	ES	**Designing Trustworthy Educational AI: CoMPA(I)SS** *Elizabeth Koh, Alwyn Vwen Yen Lee, Gaoxia Zhu*

1F NIE7-TR708 Strand 3

10:30-10:50	39	F	**Self-Regulation in the Intelligence Era: Predicting Academic Procrastination in AI-Enhanced Learning Environments** *Jyoti Yadav, Prof. Renu Yadav*

10:50-11:10	75	F	**The Guidance Paradox: Trust, Emotional Reliance, and Generative AI Use in Urban Indian Schools** *Kavita Jain, Reynah Gupta*
11:10-11:30	157	F	**MEDIA-Q: A Parent-Report Measure of Children's genAI and Digital Media Use and Associated Parenting Practices** *Yue Yu, Myat Noe Nainga*
11:30-11:45	148	ES	**The Association Between Loneliness and Emotional Support Experiences with Generative AI: The Mediating Role of AI Attachment** *Mi Zhao, Jing Chen*
11:45-12:00	149	ES	**Emotion-Aware Formative Assessment Dashboard for Teacher Orchestration in Productive Failure Classrooms** *Mi Zhao, Jing Chen*

1G NIE7-TR710 Strands 1 & 4

10:30-10:45	7	ES	**Multi-Platform Generative AI Integration in Engineering Mechanics Education: A Case Study in Maritime Engineering Pedagogy** *Hong Lin Liew, Mun Kin Leong, Thye Sang Ho, Toon Boon Chiam*
10:45-11:00	49	ES	**Mapping Algebra Concept Connections in Indonesian Mathematics Textbooks: Foundation for Adaptive Learning** *Aji Raditya*
11:00-11:15	111	ES	**Designing AI for Music Creating in a Human-AI World: Reframing Generative AI as a Cognitive and Epistemic Partner** *Eddy Chong*
11:15-11:30	17	ES	**Using AI the SMARTE Way** *Wei Chin Jess Tan, Bo Chong Benny Chwee*
11:30-11:45	9	ES	**The Teacher In Charge** *Sitaram Bettadpur*

Concurrent Sessions 2 Tuesday, 17 November · 14:00-15:30

2A NIE7-TR701 Symposium & Presentation (Strand 4)

14:00-15:00	19	SYM	**From Institutional Support to Classroom Practice: Advancing AI-Enabled Teaching in Higher Education** *James Foo, Shamie Jegan, Isaac Koh, Magdeleine Lew, Wei Leng Neo, Titus Quek*

2B NIE7-TR702 Strand 4

14:00-14:20	6	F	**Pedagogy First: Fostering Critical Thinking Through Responsible AI Integration - Lessons from a Teacher Professional Development Programme in Portugal** *Celestino Magalhaes*
14:20-14:35	30	ES	**Consequential Validity of AI-Native Assessment in Professional Hiring: Evidence from Legal Recruitment Interviews** *Yu Lei*
14:35-14:50	109	ES	**From Tools to Dialogues: A Contextualised and Dialogic Approach to GenAI Professional Development** *Paul Cheung, Chee Kin Boey, Lay Khee Tan*
14:50-15:05	87	ES	**Preparing Indonesia's Teaching Workforce for AI: Rethinking Towards Required Teachers' Competencies** *Angela Merici Adem*
15:05-15:20	138	ES	**Create-Check-Critique-Refine (C3R): Using AI Assessment Evaluator to Develop Preservice Physics Teachers' Assessment Literacy** *Yann Shiou Ong, Edwin Chng*

2C NIE7-TR703 Strand 2

14:00-14:20	115	F	**Development and Evaluation of Gene: An AI Chatbot for Personalized Learning of Mendelian Inheritance** *Jade Hizon*
14:20-14:40	46	F	**Integrating AI tools in Work-Integrated Learning Online Micro Lessons to enhance Student engagement** *Florence Ntanga, Nurain Aboo*
14:40-14:55	78	ES	**Interviewing with the Machine? Student Perceptions of Humanlike AI Avatars in Virtual Communication Training** *Henry Tsz Yeung Fung*
14:55-15:10	16	ES	**Virtual AI Lecturer Assistant** *Ishak Khan*
15:10-15:25	140	ES	**Iterative Designs of an AI-Coding Hackathon Program to Cultivate Young Students' AI Literacy** *Guangji Yuan, Monica Woei Ling Ong, Kennedy Loo, Chewlee Teo*

2D NIE7-TR704 Strand 2

14:00-14:20	144	F	**Student's Agency in Educational vs. General-Purpose GenAI Agents: An Exploratory Study in Entrepreneurship Education** *Francisco Regalado et al.*
14:20-14:40	132	F	**When the Machine Mimics the Form but Misses the Meter: Students' Judgment and Verification in LLM-Assisted Classical Poetry Learning** *Huai-Chih Hsu, Hung-Cheng Chen, Lung-Hsiang Wong*

14:40-14:55	11	ES	**Measuring to Assess Student Agency in AI-mediated Learning Systems** *Zaki Pauzi, Leslye Dias Duran, Jun Zhao, Carina Prunkl, Manolis Mavrikis*
14:55-15:10	14	ES	**Illusions of Control? Sensed and Enacted Student Agency in AI-mediated Learning** *Zaki Pauzi, Leslye Dias Duran, Jun Zhao, Carina Prunkl, Manolis Mavrikis*
15:10-15:25	79	ES	**Becoming Critical Human-AI Hybrids: Insights from a pedagogical innovation** *Rikke Duus, Mike Cooray*

2E NIE7-TR705 Strands 5 & 6

14:00-14:20	61	F	**From Oracle to Tool: Demythologising AI in Higher Education** *Sean Liu*
14:20-14:40	151	F	**Bridging the Chasm Between Macro Policy and Material Pedagogy: A Critical Evaluation of Digital Literacy and Proposed Curricular Innovations in State-Approved Modern Literature Textbooks Under the 2022 Revised National Curriculum** *Junhyeong Park*
14:40-14:55	93	ES	**Building a modified Kantian triangle for cyber trust** *Pauline Lim*
14:55-15:10	112	ES	**Neutral, Discriminatory and Inclusive AI for Education** *Daryl Ooi*

2F NIE7-TR708 Strands 2 & 3

14:00-14:20	134	F	**Understanding Cognitive Distribution Patterns Between University Students and Generative AI** *Youngsun Choo, Yeseong Kim, Kim Hyeeun, Young Hoan Cho*
14:20-14:40	154	F	**Beyond Résumés and Career Maps: How AI Literacy Shapes Motivation, Engagement, and Higher-Order Thinking in Workplace Education** *Chun-Yu Lin, Chung-Kai Huang, Tzu-Ting Tsai*
14:40-14:55	18	ES	**An Interpretable AI Workflow for Metacognitive Reflection Feedback in Digital Learning** *Praveen Suthaharan, Priscilla Pang, Phil Corlett, Renee Tan, Yuen-Siang Ang*
14:55-15:10	97	ES	**Toward Interpreting Affective Evaluations of AI Interactions: A Component-Based Framework in Educational AI Contexts** *Yuto Kosai, Sukyoung Kim*
15:10-15:25	72	ES	**Know Your AI Persona: A Reflective Framework for University Students** *Wei Chin Jess Tan, Esther Jia En Chan*

2G NIE7-TR710 Strands 2 & 6

14:00-14:20	152	F	**A Comparative Analysis of Institutional Generative AI Guidelines in Japanese and American Universities** *Shudong Wang, Jun Iwata*
14:20-14:40	162	F	**The Pedagogical Anatomy of GenAI Chatbots in Teacher Education** *Thomas Viik et al.*
14:40-14:55	58	ES	**Version 62: Student-Led AI Vibe Coding and Peer Digital Citizenship Education** *Vaughn Littlejohns*

Concurrent Sessions 3 Wednesday, 18 November · 10:30-12:00

3A NIE7-TR701 Symposium (Strand 5)

10:30-11:30	146	SYM	**Educating the Human in an Age of AI: Agency, Care and Play** *Daryl Ooi, Alex Mitchell, Nina Powell*

3B NIE7-TR702 Strand 2

10:30-10:50	119	F	**Sketching or GenAI? Tool Choice and Group Storyboarding in Design Education** *Henry Ma et al.*
10:50-11:10	91	F	**Designing AI for Learning, Not Answers: Learner Perceptions of Pedagogically Designed AI Interaction** *Tammy Wong, Mui Kim Chu, Rosmawati Rosmawati*
11:10-11:25	5	ES	**The AI Design Studio Partner: Cultivating Humanistic Skills in Architectural Education** *Zhengping Liow*
11:25-11:40	60	ES	**The ecology before the tool: a practitioner inquiry into AI in communication design** *Cellyn Tan*
11:40-11:55	12	ES	**Generative AI and Creative Arts Pedagogy: A Qualitative Study of Disciplinary Approaches** *Matthew Sansom*

3C NIE7-TR703 Strand 2

10:30-10:50	141	F	**Designing a 5E-Based AI Chatbot for Differentiated Biology Self-Study** *Minh-Khai Truong et al.*
10:50-11:05	24	ES	**Learning Language Through Context A Gamified Approach to Cultural Intelligence in Real-World Scenarios** *Hninn Wai Thet, Yutaro Ohashi*
11:05-11:20	99	ES	**Developing an AI-Enhanced English Medical Interview Course** *Jun Iwata et al.*

11:20-11:35	106	ES	**When Does Generative AI Support Human Learning? Lessons from Life Skills Modules in Polytechnic Education** *Teresa Chua-Moraes et al.*
11:35-11:50	113	ES	**College Students' Intention to Use AI Agents in Task-Oriented Learning: Integrating TAM with Learner Agency Perspective** *Yan Yi, Yuxuan Wang, Heng Luo*

3D NIE7-TR704 Strand 4

10:30-10:50	137	F	**The Glow-Up Problem: An Exploratory Study of AI Use in Oral Presentations and Learning in the Age of Generative AI** *Ruchi Yadav, Vijayakumar Chintalapalli*
10:50-11:10	133	F	**High Willingness, Low Preparedness, and Weak Integration: AI Literacy and AIGC-Supported Multimodal Picturebook Teaching among Preschool Chinese Language Teachers in Singapore** *Haibin Zhu, He Sun, Lung Hsiang Wong*
11:10-11:30	142	F	**Factors predicting K-12 teachers' GenAI use frequency and perceived effectiveness** *Dongyu Zhang, Xinyue Zhao, Heng Luo*
11:30-11:45	65	ES	**Beyond Cohesive Development: Latent Profiles of Teachers' AI Literacy Based on the UNESCO Framework** *Rūta Girdzijauskienė, Liudmila Rupšienė, Sigitas Balčiūnas*
11:45-12:00	59	ES	**The Relationship Between Teachers' Attitudes Toward Formative Assessment and Intention to Use AI in Formative Assessment** *Liudmila Rupšienė, Rūta Girdzijauskienė, Sigitas Balčiūnas*

3E NIE7-TR705 Strands 2 & 3

10:30-10:50	139	F	**Generative AI as a Metacognitive Partner in Design Learning: A Mixed-Methods Study** *Sukyoung Kim*
10:50-11:10	53	F	**GenAI-Enabled Emotional Regulation Support in Second Language Learning: Pre-Service Teachers' Attitudes and Design Considerations** *Ravi R, Suganya S, Rajesh M, Kingston Pal Thamburaj*
11:10-11:25	117	ES	**Manifestations of Agentic Engagement in AI-supported EFL Classrooms: A Systematic Review through HITL Theory** *Justine Marielle Porras*
11:25-11:40	31	ES	**Learning to Innovate with AI: AI Proficiency, Innovation Capability, and Failure Tolerance in Undergraduate Students** *Ji-Eun Lee, Qian Huang, Thijs Willems, Sumbul Khan, Nachamma Sockalingam*

3F NIE7-TR708 Strands 2 & 4

10:30-10:50	25	F	**Making Musical Judgement Visible: Assessment Design for AI-Assisted Musical Creating and Performing** *Eugene Seow*
10:50-11:10	64	F	**Beyond the Answer Engine: AI as Dialogic Partner for Ethical Reasoning Development in Pre-Service Teacher Education** *Dr Sonal Nakar*
11:10-11:25	13	ES	**AI in Design Education: A Comparative Study of Assessment Approaches in Emerging Technology Subjects** *Rand Ang, Kannan Vijakumar*
11:25-11:40	104	ES	**Academic Identity in the Age of Artificial Intelligence (AI)** *Boon Seong Woo, Pratima Majal*

3G NIE7-TR710 Strands 2 & 6

10:30-10:45	155	ES	**Designing AI as Cognitive Disruption: An ADAPT Platform for Cultivating Adaptive Thinking in Secondary Science Learning** *Guangji Yuan*
10:45-11:00	88	ES	**Collaborative Learning with Generative AI in Teacher Education: A Process Mining Approach** *Piia Näykki, Faisal Channa, Auli Lehtinen, Emilia Ahlström*
11:00-11:15	63	ES	**Who Are the AI-Literate Students? Uncovering Dimensional Profiles of AI Literacy in Higher Education** *Ji-Eun Lee, Soojeong Jeong*
11:15-11:30	96	ES	**PhysicsPlay: Designing Self-Directed Physics Learning Suites With Google's Antigravity** *Joel Weijia Lai, Chit Lin Su, Shen Yong Ho*

Concurrent Sessions 4 Wednesday, 18 November · 14:45-16:00

4A NIE7-TR701 Strands 5 & 6

14:45-15:05	43	F	**Derridean Hauntological Thanabots of Heroes in Social Studies Education** *Carrie Anne Verterra et al.*
15:05-15:25	45	F	**AI-Based Emotion Detection in Special Education: A Neurodiversity-Informed Critique** *Khatlyn Caballero et al.*
15:25-15:40	161	ES	**Making Sense of Generative AI: A Qualitative Study of Students Who Entered Higher Education After ChatGPT** **Praveen Allamsetti, Ajay Kumar Singh**
15:40-15:55	89	ES	**From Moral Overload to Institutional Support: Reducing University Teachers' Proof Labour in the Generative Artificial Intelligence (GenAI) Era** **Yiming Yang**

4B NIE7-TR702 Strand 2

14:45-15:05	160	F	**Designing LLM-Based Educational Simulations to Preserve the Learning Task: A Boundary-Structure-Semantics Prompt Framework** *Karina K. H. Yuen*
15:05-15:25	136	F	**Designing an AI-Infused Scaffolded Curriculum to Cultivate AI-Directors: A Design-Based Research Approach for Non-Technical Polytechnic Students** *Wanzhen Liaw, Aede Hatib bin Musta'Amal*
15:25-15:40	147	ES	**Redesigning a Business Case Assignment with AI-Simulated Executive Interviews: Preliminary Findings** *Emir Hrnjic, Karina K. H. Yuen*
15:40-15:55	145	ES	**Process Development of Children L2 e-Books using Generative AI Tools** *He Sun, Hung-Cheng Chen, Justina Tan, Nathaniel Hong, Doyoung Kim*

4C NIE7-TR703 Strands 2 & 4

14:45-15:05	55	F	**Collaborative AI-Assisted Translation of Pragmatic Implicatures in Tamil Literary Discourse: Implications for Language Education** *Swetha Kasthuri JM, Menaka S., Arun Prasanth Pauldurai, Sundararaj Dharmaraj, Alisha O.*
15:05-15:25	122	F	**Integrating GenAI feedback into process writing: Teachers' and students' experiences** *Louis Tan and Rachel Goh*
15:25-15:45	124	F	**Designing AI Scaffolds for Tamil Idiom Learning Through Project-Based Learning and Design Thinking: A Design-Based Research Study** *Vemalathevey Manikiam*
15:45-16:00	37	ES	**Student-Curated AI Tutors for Flipped Classrooms to Enhancing Pre-Class Preparation and Self-Directed Learning** *Geok Ling Ng*

4D NIE7-TR704 Strand 4

14:45-15:00	35	ES	**From Bloom's Ladder to Bloom's Loop: AI compresses the middle stages, making process-based assessment necessary** *Josh Wee Chert Ng*
15:00-15:15	33	ES	**Weekly Quizzes as AI-Supported Responsive Teaching in Physics** *Erkan Polatdemir*
15:15-15:30	92	ES	**Teacher-Guided Generative AI for Custom Middle-School Physics Assessment Generation: A Singapore School-Based Design Study** *Chong Wee Jonathan Oh*
15:30-15:45	130	ES	**DeepSeek Empowering Physics Teaching: An Empirical Study on Cultivating Critical Thinking among JC Students** *Lei Huang*
15:45-16:00	29	ES	**A TPACK-Informed Conceptual Reference Model for Artificial Intelligence Integration in Higher Education Academic Literacy** *Nurain Aboo*

4E NIE7-TR705 Strands 2 & 4

14:45-15:00	103	ES	**From Black Box to Glass Box: Instructor Visibility into Team-AI Collaboration During Design Thinking** *Jamie Kao Peixin et al.*
15:00-15:15	110	ES	**Designing a Self-Determination Theory-Based Climate Change Education Program Supported by an AI Chatbot and a Metaverse Learning Environment for Elementary Students** *Juyeon Lee, Hye-eun Chu, Sonya Martin*
15:15-15:30	38	ES	**When AI tutoring tools go unused: Role of Engagement, Psychological factors and Learning Outcomes in a Business Management Institute** *Shweta Pandey, Sandhya Prakash*
15:30-15:50	54	F	**AI as Co-Teacher in Humanities Education: A QSFI Framework for Trustworthy Human-AI Collaborative Pedagogy** *Alisha O., Swetha Kasthuri JM, M. Davamani Christober, S. Menaka, P. Ponnusamy*

4F NIE7-TR708 Strands 4 & 6

14:45-15:00	107	ES	**Pre-service English Language Students' Perspectives on AI-Generated Texts for Use in the EL Classroom** *Theng Yang Ian Tan, Csilla Weninger*
15:00-15:15	26	ES	**Towards a Cross-Cultural Framework for Asymmetric Perceptions of Agentic AI in Education** *Adit Gupta, Mool Raj, Ankur Gupta*
15:15-15:30	85	ES	**AIED Under Conscription: Institutional Unplugging and AI-Era Learning in Singapore and South Korea** *Minseok Kim, Yiyang He*
15:30-15:45	67	ES	**MyanBridge: A User-Informed Romanization-Based Input Framework for the Myanmar Language Using MyanBridge Transliteration Rules (MTR)** *Hninn Wai Thet, Yutaro Ohashi*