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

- **4A** NIE7-TR701 — Strands 5 & 6
- **4B** NIE7-TR702 — Strand 2
- **4C** NIE7-TR703 — Strands 2 & 4
- **4D** NIE7-TR704 — Strand 4
- **4E** NIE7-TR705 — Strands 2 & 4
- **4F** NIE7-TR708 — Strands 4 & 6

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** *Kosai Yuto*
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	**52**	F	**Safety-Aware Generative AI for Air Traffic Controller Training: Designing and Evaluating Synthetic Learning Scenarios** *Mercedes Premalatha Ramesh, Kingston Pal Thamburaj*
14:40–15:00	**162**	F	**The Pedagogical Anatomy of GenAI Chatbots in Teacher Education** *Thomas Viik et al.*
15:00–15:15	**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** *Duc-Duy Phan 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, Mercedes Premalatha Ramesh, 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*
11:40–11:55	**29**	ES	**A TPACK-Informed Conceptual Reference Model for Artificial Intelligence Integration in Higher Education Academic Literacy** *Nurain Aboo*

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*
11:40–11:55	**37**	ES	**Student-Curated AI Tutors for Flipped Classrooms to Enhancing Pre-Class Preparation and Self-Directed Learning** *Geok Ling Ng*

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** *Kiruthiga D, Vijaya Rajeswari S, Mercedes Premalatha Ramesh and Kingston Pal Thamburaj*
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*

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*

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 Oli, Mercedes Premalatha Ramesh, Kingston Pal Thamburaj*

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*