

## TALE 2022 Schedule

Date	Time	Room 1	Room 2	Room 3	Room 4
4 Dec 2022	1500 - 1700	Workshop 1 (Virtual)			
4 Dec 2022	1800 - 2000	Welcome Reception/Dinner (Hotel ICON - Bistro 1979)			
5 Dec 2022	0930 - 1230	Opening and Keynote 1 (M1603, Senate Room, PolyU)			
5 Dec 2022	1230 - 1400	Lunch (4/F, Communal Building, PolyU)			
5 Dec 2022	1400 - 1530	Engineering, Computing and IT Education (P303)	Reform of Industrial Design Specialty for New Engineering Education (P304)	Education Metaverse and Immersive Learning (P305)	Community Engagement, Service Learning and Learning for the Future (P306)
5 Dec 2022	1545 - 1715	STEM, Open, Flexible & Distance Learning (P303)	Next-Stage Virtual Teaching (1) (P304)	Learning Analytics (1) (P305)	Postgraduate Student Forum (P306)
6 Dec 2022	1015 - 1245	Keynote 2 and Keynote 3 (M1603, Senate Room, PolyU)			
6 Dec 2022	1245 - 1400	Lunch (4/F, Communal Building, PolyU)			
6 Dec 2022	1400 - 1530	Next-Stage Virtual Teaching (2) (P303)	Computing & IT Education (1) (P304)	Learning Analytics (2) (P305)	Engineering Education (1) (P306)
6 Dec 2022	1545 - 1715	Next-Stage Virtual Teaching (3) (P303)	Computing & IT Education (2) (P304)	Learning Analytics (3) (P305)	Workshop 2 (P306)
6 Dec 2022	1800 - 2000	Banquet (Hotel ICON - Bistro 1979)			
7 Dec 2022	0930 - 1230	Panel 1 and Panel 2 (M1603, Senate Room, PolyU)			
7 Dec 2022	1230 - 1400	Lunch (4/F, Communal Building, PolyU)			
7 Dec 2022	1400 - 1530		Hyflex and Online Teaching (P305)	Engineering Education (2) (P306)	Poster (Physical) (P307)
7 Dec 2022	1545 - 1715	Workshop 3 (PQ303)	Computing & IT Education (3) (P305)	Technology-Enhanced Learning (P306)	STEM Education (P307)
7 Dec 2022	1730 - 1800	Closing (PQ303/Virtual)			

**PolyU Location:**

<https://goo.gl/maps/irqaiAKQKWBUfGfSX9>

**PolyU Campus Map:**

[https://www.polyu.edu.hk/campus-map/index.html?lang=en\\_US&loc=W-HIK](https://www.polyu.edu.hk/campus-map/index.html?lang=en_US&loc=W-HIK)

**IEEE TALE 2022  
PolyU Campus Map**



TALE 2022 Oral Sessions

Paper ID	Author(s)	Title	Type	Session
775	Shanthini Chandra Sekaran Naidu, Taha Mahmood Al-Naimi, Narina A. Samah and Ahmad Zuri Sha'Ameri	Using Brain Functional Connectivity Pattern to Design Intervention for Children with Dyslexia	Full	Community Engagement, Service Learning and Learning for the Future
4232	Yanni Guo and Michelle Lee Fong Cheong	Interdisciplinary and Curriculum Development for Post-graduate Analytics Students - A case study on Master of IT in Business Programme in Singapore Management University	Full	Community Engagement, Service Learning and Learning for the Future
274	Lin Lin	Develop Design thinking in Interaction Design Course by Applying Problem-based Learning Model	Short	Community Engagement, Service Learning and Learning for the Future
1669	Akiko Takahashi, Jun Suzuki and Hiroyasu Tanabe	Desire of a basic educational foundation for entrepreneurship -from passive to active action-	Short	Community Engagement, Service Learning and Learning for the Future
2328	Iresha Ranaraja, Margaret Jollands and Abhiji Date	Towards a framework for employability teaching and learning	Short	Community Engagement, Service Learning and Learning for the Future
3452	Ka-Ki Leung, Weihi Huang, Jackey Ho, Jani Gu, Qiang Meng, Rusheng Zhang, Ka-Ho Leung and Tsz Ho Kwan	An Inquiry-based Geriatrics Learning Platform: A Preliminary Report	Short	Community Engagement, Service Learning and Learning for the Future
765	Liang Zhang, Tianyi Chen, Yafeng Ma and Jianwei Xu	An Online Learning Help Approach based on O&A sites in Programming Course	Full	Computing & IT Education (1)
861	Gunnar Malm and Göran Hamrn	Citation Practices in Final Year Computer Science and Electrical Engineering Bachelor Theses	Full	Computing & IT Education (1)
2194	Zerong Xie, Jeffrey Radloff, Gary K. W. Wong and Ibrahim H. Yeter	The future nexus of computational thinking education: A preliminary systematic review of reviews	Full	Computing & IT Education (1)
8429	Zhu Liang	Contextualizing Introductory App Development Course for First-Year Engineering Students	Full	Computing & IT Education (1)
9552	Ssu-Ying Chen, Yi-Jie Hsieh, Hsiao-Ju Lo, Fu-Cheng Chen, Chi-Chyau Yang, Chen-Ming Wu and Chun-Ming Huang	SenSou as a Sensing System to Experience Programming	Short	Computing & IT Education (2)
1464	Alexander Steinmaurer, Azra Bajamovic, Daniel Polhammer and Christian Gütl	Learning Security Awareness in Email Communication Using a Platform for Digital Skill Teaching	Full	Computing & IT Education (2)
2173	Yu Chi Chan, Chian Min Gan, Chun Yu Lim, Ten Hwa Tan, Qi Cao and Chee Kiat Seow	Learning CS Subjects of Professional Software Development and Team Projects	Full	Computing & IT Education (2)
4880	Yi Xuan Chia, Kai Heng Loh, Zhen Yu Brandon Ong, Jun Xien Lim, Jun Kai Ooi, Qi Cao, Peler Chunyu Yau and Li Hong Idris Lim	Sentiments Analysis and Feedback among Three Cohorts in Learning Software Engineering Modules	Full	Computing & IT Education (2)
2037	King Woon Yau, Cheung Sing Chai, Thomas K. F. Chiu, Helen Meng, Iwin King, Savio Wai-Ho Wong, Chandni Saxena and Yeung Yam	Developing an AI literacy test for junior secondary students. The first stage	Short	Computing & IT Education (2)
2192	Novah Ahmed, Anik Sinha, Anik Saha, Rahat Jahangir Rony, Syeda Shabnam Khan, Ifi Azad Abeer and Munir Hasan	Structured Training as an Enabler for Women in ICT	Short	Computing & IT Education (2)
7767	Manoj Thulasidas	A Recommendation on How to Teach K-Means in Introductory Analytics Courses	Full	Computing & IT Education (3)
9020	Mirella Bikanga Ada	I betrayed my ethical principles: Investigating master's dissertation marking practices in CS	Full	Computing & IT Education (3)
9265	Yi Meng Lau, Rafael J. Barros, Swapsa Gottipati and Kyong Jin Shim	Gamified Online Industry Learning Platform for Teaching of Foundational Computing Skills	Full	Computing & IT Education (3)
5040	Mirella Bikanga Ada and Mohammad U. Majid	Developing a system to increase motivation and engagement in student code peer review	Short	Computing & IT Education (3)
5644	Mei Yang, Binayak Tiwari, Ramu Gautam, Edwin Ma, Shaoran Zhang and Venkatesan Muthukumar	Engaging Girls in Learning Engineering through Building Ubiquitous Intelligent Systems	Short	Computing & IT Education (3)
1497	Hongchao Peng and Shanshan Zhang	The Effect of Intelligent Technology in the Smart Classroom of China: A Meta-Analysis	Full	Education Metaverse and Immersive Learning
2524	Yidan Li, Xinyi Liang, Tyrone T. O. Kwok and Yip-Chun Au Sheung	Metacommunication of Ancient Chinese Poetry Learning Using a Virtual Learning Space	Full	Education Metaverse and Immersive Learning
6690	Shawn Pang, Kyong Jin Shim, Yi Meng Lau and Swapsa Gottipati	VR Computing Lab: An Immersive Classroom for Computing Learning	Full	Education Metaverse and Immersive Learning
2986	Tsz Ho Kwan, Ka Kin Yu, Yiu For Yau, Pul Mo Lam, Sze Wing Li and Kwan Ho Wong	A Review on the Application of Virtual Reality in Professional and Vocational Training	Short	Education Metaverse and Immersive Learning
5466	Fenghong Wang, Aowei Li and Jiahao Wu	Using Virtual Reality to Enhance the Teaching of Kiln Firing of Ceramic Products	Short	Education Metaverse and Immersive Learning
1630	David Antonio Buenteallo-Montoya and Erka Judith Carreon-Anduj	For Engineering Education, a Distance Learning a Friend of a Foe? A Case Study for First-Year Engineering Students	Short	Engineering Education (1)
2207	David Antonio Buenteallo-Montoya and Francisco Javier Montes-Montep	Problem-Based Learning as a Tool for Electromagnetism-related Concepts in an Engineering Course	Short	Engineering Education (1)
3292	Siyh-Chour Huang	The Effect of PBL on College Students' Learning Motivation of Dynamics Course	Short	Engineering Education (1)
3511	Pilar Hidalgo-Leon, Ana Luna and Lomel Rivas	Social and Scientific Relevance of Peruvian Undergraduate Theses in Computer and Systems Engineering Schools	Short	Engineering Education (1)
7034	Zohab Akhtar	Identification, Relevance, and Limitations of Threshold Concepts in Electrical and Electronic Engineering	Short	Engineering Education (1)
7355	Sang Lam and Mansun Chan	Use of Online In-Class and Engage Students in Courses on Semiconductor Devices and Integrated Circuits	Short	Engineering Education (1)
9779	Zhang Yonghe, Qu Wenjiao, Xiao Xudan and Zhong Guocheng	Teach Reinforcement Learning Robotics Class	Short	Engineering Education (1)
1469	Panot Gunavaddho Bkhhku, Sirkanya Phontongjaleam, Thanayarat Singhanart and Kuntinee Maneeratana	A Game for Life Development for Thai First-Year Engineering Students	Short	Engineering Education (2)
4176	S. Supraj, Sophia Tan, Fun Siang Lim, Bong Keon Ng, Shen Yong Ho and Andy W. H. Khong	Role of Instructor to Enhance Student Experience in Undergraduate Makerspaces	Short	Engineering Education (2)
6160	Sheff Wehlan	Student Experience of Revolve Engineering Education: A Case Study at Two Foreign Universities in the Far East	Short	Engineering Education (2)
6527	Sang Lam	Learning & Assessment by Technical Report Writing on Engineering Products of Photonics & Optoelectronics	Short	Engineering Education (2)
6981	Siao Siu Law, Chee Tiong Ong and Norulhuda Ismail	Enhancing Lower Achievers' Performance in Learning Calculus by Invoking Higher Order Thinking Skills With Polmind Method	Short	Engineering Education (2)
7534	Zhan Hao Li, Guo Chun Wan and Mei Song Tong	On the Enhancement of Cultivation Quality for Full-time Graduate Students of Professional Degrees of Engineering	Short	Engineering Education (2)
8602	Eliathamby Ambakaraajee, Shagheer Akbaramians and Aruna Seneviratne	Teaching Engineering Students Equity, Diversity and Inclusion (EDI)	Short	Engineering Education (2)
8306	Ibrahim Elewah and Sara Jalaliddin	Cubes: Novel Graphical Method for Boolean Functions Simplification	Full	Engineering, Computing and IT Education
8589	Yan Li, Neil Smyth and Vladimir Brusic	Academic Writing for Publication: Transforming Engineering Pedagogues	Full	Engineering, Computing and IT Education
9260	Chi-Un Lei	Motivation and Information Processing of Students in a Learning Analytics Course during Emergency Remote Teaching	Full	Engineering, Computing and IT Education
8495	Richard Wing Cheung Lui, Nga Yin Dik and Philip Tin Yun Lee	Evaluation of Online Learning Platforms for Interactive Self-paced Learning of Container-based Software Development	Short	Engineering, Computing and IT Education
156	Han Wan, Honghebin Zhang, Zhaohong Zhang and Jianlei Yang	Exploring the Factors of Students' Learning Behavior On Structural Equation Modeling	Full	Hylflex and Online Teaching
9953	Denis Gilet, Isabelle Vonèche Cardia and Jérémy La Scala	Introducing Alternative Value Proposition Canvas for Collaborative and Blended Design Thinking Activities in Science and Engineering Education	Full	Hylflex and Online Teaching
1209	Qingtang Liu, Lei Sun, Jingjing Ma, Shufan Yu and Linjing Wu	Geometry Wall: An Embodied Gesture-based Game for Supporting Spatial Ability	Short	Hylflex and Online Teaching
4871	Shunji Bai, Khe Foon Hew, Shuhan Zhang, Weiiao Huang and Donn Emmanuel Gonda	Examining Effects of the Flipped Classroom in Science Education: A Meta-analysis	Short	Hylflex and Online Teaching
2634	Yuriko Liu, Lap Lam and Henry C. B. Chan	Detection of Online Student Behavior Using Eye-Head Movement	Short	Hylflex and Online Teaching
4772	Xuyang Jiang, Yuanxin Ouyang, Zhuang Liu, Wenge Rong and Zhang Xiong	MKT: Multichannel Attention Networks based Knowledge Tracing with Representation Learning.	Short	Learning Analytics (1)
3507	Kento Shigyo, Hidenari Kiyomatsu, Hitoshi Sato and Kazuhiko Ohtsuki	Support Awareness of Anomaly in Coding Behavior using Code Revision Data	Full	Learning Analytics (1)
6157	Duong Ta, Lwin Khin Shar and Venky Shankararaman	AP-Coach: formative feedback generation for learning introductory programming concepts	Full	Learning Analytics (1)
5745	Dong Tianping, Wu Jingyao and Zhang Li	The Analysis of Student Experimental Behavior Based on Multi-source Information Fusion	Short	Learning Analytics (1)
6145	Rodrigo Eduardo Gomez-Ortiz and David Antonio Buenteallo-Montoya	A Machine Learning-based application to practice foreign languages using images and photographs	Short	Learning Analytics (1)
6937	Si Shi, Wunan Luo, Rita Tse and Giovanni Pan	Attention-LGBM-BLSTM: An Attention-Based Ensemble Method for Knowledge Tracing	Short	Learning Analytics (1)
392	May Kristine Jonson Carlton, Sangwhan Moon, Naoki Okazaki and Jeffrey Scott Cross	Predicting Guesses and Slips Through Question Encoding with Complexity Hints	Full	Learning Analytics (2)
2971	Sujit Leelakul, Tsuyasa Mienatsu, Yuta Taniguchi, Fumyo Okubo, Takayoshi Yamashita and Atsushi Shimeda	Scaled-Down Product Alerts for Early Detection of At-risk Students	Full	Learning Analytics (2)
1834	Mirje Hu, Tony Assadi, Maria Vos and Hamid Mahrojan	Evaluation of Our Strategies for Teaching the First Year Students Programming During the Covid Pandemic	Short	Learning Analytics (2)
7282	Shofyati Nur Karimah and Shinobu Hasegawa	MeetME: Engagement Estimation-based Online Meeting Room for Distance Learning	Short	Learning Analytics (2)
1949	Tristan Lim, Swapsa Gottipati, Michelle Cheong, Jun Wei Ng and Chris Pang	Assessment Design for Digital Education: An Analytics-based Diagnostic Assessment Approach	Full	Learning Analytics (3)
4349	Pranavi Pandayala, Sriya I Reddi, Arjun Rajasekar, Syed Falaahuddin Quadri, Jasankar N and Ramesh Loganathan	Framework for Automated Attendance & Attention Tracking to Address Learning Gaps Due to Pandemic	Full	Learning Analytics (3)
295	Sang Lam	Productive Learning for Students in Assessed Coursework of Circuit Construction and Demonstration Video Production	Short	Learning Analytics (3)
439	Elvira Lallathu Thohiroh and Dade Nurjanah	SmartMe: An Open Social Learner Model and Case Example Recommender	Short	Learning Analytics (3)
2285	Andrew Valentine, Eduardo Oliveira and Bill Williams	Research profiles of Australian computing education authors: A scientometric analysis	Short	Learning Analytics (3)
8555	Urandchimng Tudevaygva, Uiam-Ongji Chiojijav and Bat-Erdene Bayar	Exploring Students Feedback on Teaching Courses via Data Processing by the Structure Oriented Evaluation Model	Short	Learning Analytics (3)
4267	Amarpreet Gill, Derek Iwen, Sannia Mareta, Dave Towey, Yanzhi Zhang, Joseph Thenara and Alan Wang	A Pilot Study Investigating Student Interaction Preferences in Immersive Virtual Reality Environments	Full	Next-Stage Virtual Teaching (1)
4518	Shuqi Li, Siyung Man and Linqi Song	An NLP-Empowered Virtual Course Assistant for Online Teaching and Learning	Full	Next-Stage Virtual Teaching (1)
8064	Fatni Md. Said, Taha Mahmood Al-Naimi, Narina A. Samah and Ahmad Zuri Sha'Ameri	Examining Teachers' Brain Functional Connectivity during Reflection: A Preliminary Study	Full	Next-Stage Virtual Teaching (1)
739	Peter O. Chen and Peter H. F. Ng	College students' experience of service learning in teaching STEM workshop under COVID-19	Short	Next-Stage Virtual Teaching (1)
979	Anna Lorena Casillas-Higueros and Claudia Camacho-Zufiga	Undergraduates' recommendations to create successful audiovisual content for teaching	Short	Next-Stage Virtual Teaching (1)
5806	Chienching Lee, Malcolm Low, Benjamin Soon, Liming Lu, Hweehoon Lee and Nadya Shaznya Patel	Training Physiotherapy Students in Clinical Questioning and Reasoning using a Chatbot	Short	Next-Stage Virtual Teaching (1)
2172	Rita Ismalova, Christo Dichev and Darina Dicheva	Estimating Engagement in Gamified Activities	Full	Next-Stage Virtual Teaching (2)
8972	Yi Zhang, Yan Gong and Weihong Cui	Graduate Attribute Assessment for Each Student of Remote Sensing Science and Technology Program	Full	Next-Stage Virtual Teaching (2)
4462	Dexter Chiew and T. Hai Tao	Realtime Online Learning Attention Tracker	Short	Next-Stage Virtual Teaching (2)
5851	Pumima Murali Mohan, Vivek Balachandran, Ong Ze Quan, Jas Pang Ze Xin and Dinli Mon Divakaran	NFT-Ment: An NFT-based Module Credit Management System on Ethereum Blockchain	Short	Next-Stage Virtual Teaching (2)
452	Pauli Lai	Cramming versus Spaced Learning induced by Strategic Design of Game-based Learning Platform	Full	Next-Stage Virtual Teaching (3)
3950	Yujia Wang, Shuzi Liu and Linqi Song	Designing an Educational Chatbot with Joint Intent Classification and Slot Filling	Full	Next-Stage Virtual Teaching (3)
8620	Pei-Hua Chang, Su-Fen Cheng, Chi-Wei Cheng and Ching-Blau Tzeng	An Exploration of Instructional Design and Its Effectiveness of Using Cognitive Load Perspective into Electronics Experiment Course	Full	Next-Stage Virtual Teaching (3)
8662	Wei-jiao Huang, Nicole J. Tavares, Jiahui Du and Khe Foon Hew	Using chatbot as a goal-setting facilitator in an online course: students' performance and teacher's perception	Full	Next-Stage Virtual Teaching (3)
6689	Xinyi Liang and Chi-Un Lei	Instructional Design Assistant Mentorship Scheme for Innovations on Virtual Instruction	Short	Next-Stage Virtual Teaching (3)
7068	Song Xiaoto	Application Research of CPIO Education Initiative in Reforming Online-Offline Hybrid Teaching of "Software Testing" Course"	Short	Next-Stage Virtual Teaching (3)
1506	Fuqiao Ren, Gang Li, Jinjun Xia and Yuhang Li	Research on the Academic Ability Evaluation Scale of Industrial Design Graduate Students from the Perspective of Interdisciplinary Education	Full	Reform of Industrial Design Specialty for New Engineering Education
2839	Kenji Futakuchi, Yusaku Imai and Kazuhito Ohtsuki	Exploring the possibility of working in Japan for IT engineers who do not speak Japanese	Short	Reform of Industrial Design Specialty for New Engineering Education
2574	Malcolm Yoke Hean Low, David Yin Kai Chan, Keok Kee Lee, Donny Cheng Lok Soh, Wei Dong Lin and Liang Boon Wee	Online Team-based Learning for Productivity Management Module	Short	Reform of Industrial Design Specialty for New Engineering Education
4534	Zhengyan Fan, Yun Li and Jinjun Xia	Construction of Interdisciplinary Graduation Design Teaching Model led by Industrial Design Under the Background of Emerging Engineering Education	Short	Reform of Industrial Design Specialty for New Engineering Education
5823	Fenghong Wang, Yuehang Peng and Zhongyi Yang	Smart Diving Gesture Interaction Design Based on DMPT Compatibility Model	Short	Reform of Industrial Design Specialty for New Engineering Education
9188	Yali Chen and Long Ma	A Comparative Study of Instructional Design Majors for New Engineering Disciplines	Short	Reform of Industrial Design Specialty for New Engineering Education
3741	Komal Prasad	Studying STEM Identity of Hong Kong kindergarten teachers who adopt an inquiry-based teaching approach	Full	STEM Education
6174	Otaclio Antunes Santana	Aluminum Cans Consumption: IoT Project, Science Outreach, Learning Curve, and STEM Careers	Full	STEM Education
7065	Pat Palatanarupom	Space-Exploration Learning Toolkits for Students	Full	STEM Education
2139	Jaxu Yang and Alex Wing-Chung Tse	The Relations of Family Interest, Passion and Confidence in STEM with Children's STEM Self-efficacy in Shenzhen	Full	STEM Education
8874	Rose Notsuha, Daisuke Saito, Hironori Washizaki and Yoshiaki Fukazawa	Scratch Project Analysis: Relationship Between Gender and Computational Thinking Skill	Short	STEM Education
2993	Haiyan Cai and Gary K. W. Wong	Parental Involvement in Computational Thinking Education: A Systematic Review	Full	STEM, Open, Flexible & Distance Learning
4368	Chung Chan, Assan Kozhin, Qiang Liang, Glenn Salter, Ruoqin Tang, Chunxiao Ye and Chao Zhao	DIVE: Make Online Learning Diversified, Interactive, Versatile, and Engaging	Full	STEM, Open, Flexible & Distance Learning
5447	Rebecca Rosemary Self and Alex W. C. Tse	Design, Development, Implementation and Evaluation of Female-Friendly Learning on Enhancing Grade 1 and 2 Girls' Motivation in STEM Education	Full	STEM, Open, Flexible & Distance Learning
8471	Shuhan Zhang and Gary K. W. Wong	Cross-aged Associations between Cognitive Performance and Attitudinal Beliefs of Computational Thinking: A Preliminary Study	Full	STEM, Open, Flexible & Distance Learning
5117	Muki Arame, Junko Handa, Yoshiko Gode, Masashi Toda, Makoto Itoh and Satoshi Kitazaki	Development of a Short-Form Career Resilience Inventory for Online learning : Verification based on analysis results of online learning	Full	Technology-Enhanced Learning
9648	Husna Hafiza Razami and Roslina Ibrahim	Integration of Player Experience for the Acceptance Model in Science, Technology, Engineering and Mathematics Digital Educational Games	Full	Technology-Enhanced Learning
344	Roberto Dillon and Anushi Arushi	"PenHack": Designing a Serious Game for Cybersecurity Awareness	Short	Technology-Enhanced Learning
2556	Shuhan Zhang and Xuelian Chen	Applying Artificial Intelligence into Chatbot Math Education Lesson Design and Course Effect	Short	Technology-Enhanced Learning
4749	Kim-Hung Lam, Wai Ki Vicky Chan, Long-Yung Ivan Chung, Wai-Chun Boris Leung, Kwong-Chak Gary Cheung, Yoon-suk Lawrence Lee and Wng-Yu Yu	The use of interactive whiteboard to promote active learning in online/hybrid classes - a case study for science education	Short	Technology-Enhanced Learning

### TALE 2022 Oral Sessions - Sorted by Paper IDs

Paper ID	Author(s)	Title	Type	Session
156	Han Wan, Hongzhen Luo, Zhao Zhong and Jianke Yang	Exploring the Factors of Students' Online Learning Based On Structural Equation Modeling	Full	Hyflex and Online Teaching
271	Lin Lin	Develop Design Thinking in Interacted Design Course by Applying Problem-based Learning Model	Short	Community Engagement, Service Learning and Learning for the Future
295	Sang Lam	Productive Learning for Students in Assessed Coursework of Circuit Construction and Demonstration Video Production "PeerHack": Designing a Serious Game for Cybersecurity Awareness	Short	Learning Analytics (3)
344	Roberto Dillon and Anushi Arushi	Predicting Guesses and Slips Through Question Enooding with Complexity Hints	Short	Technology-Enhanced Learning
392	May Kristine Jonson Carlson, Sangwan Moon, Naoki Okazaki and Jeffrey Scott Cross	SmartMe: An Open-Source Modular and Case Example Recommender	Short	Learning Analytics (2)
438	Elvira Lalathul Thoothrot and Dade Nurjahan	Examining versus Spaced Learning Induced by Strategic Design of Game-based Learning Platform	Short	Learning Analytics (3)
452	Paul Lai	College students' experience of service learning in teaching STEM workshop under COVID-19	Full	Next-Stage Virtual Teaching (3)
739	Peter Q. Chen and Peter H. F. Ng	An Online Learning Help Approach based on Q&A sites in Programming Course	Short	Next-Stage Virtual Teaching (1)
769	Liang Zhang, Tianyi Chen, Yangfeng Ma and Jianwei Ni	Using Brain Functional Connectivity Pattern to Examine the Effectiveness of a Reading Intervention for Children with Dyslexia	Full	Computing & IT Education (1)
775	Shanthini Chandira Sakaran Naidu, Taha Mahmoud Al-Naimi, Narina A. Samah and Ahmad Zuri Sha'Amerni	Desire of a basic educational foundation for entrepreneurship: from passive to active action	Full	Community Engagement, Service Learning and Learning for the Future
861	Günar Malm and Göran Herrem	Graduate Practices in Final Year Computer Science and Electrical Engineering Bachelor Theses	Full	Computing & IT Education (1)
979	Anna Lorena Casillas-Hijuelos and Claudia Camacho-Zufiga	Undergraduates' recommendations to create successful audiovisual content for teaching Geometry Wall: An Embodied Gesture-based Game for Supporting Spatial Ability	Short	Next-Stage Virtual Teaching (1)
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1834	Minje Hu, Tony Assadi, Marta Vos and Hamid Mahrooian	Assessment Design for Digital Education: An Analytics-based Authentic Assessment Approach	Short	Learning Analytics (3)
1949	Tristan Lim, Swapna Gottipati, Michelle Cheong, Jun Wei Ng and Chris Pang	Developing an AI literacy test for junior secondary students. The first stage	Short	Computing & IT Education (2)
2037	King Woon Yau, Ching Sing Chai, Thomas K. F. Chiu, Helen Meng, Irwin King, Savio Wai-Ho Wong, Chandni Saxena and Yeung Yam	The Relations of Family Background, Parents' Interest, and Confidence in STEM with Children's STEM Self-efficacy in Shenzhen	Short	STEM Education
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2172	Rita Ismailova, Christo Dichev and Darina Dicheva	Learning CS Subjects of Professional Software Development and Team Projects	Full	Computing & IT Education (2)
2173	Yu Chyi Chan, Chian Min Gan, Chun Yu Lim, Ten Hwa Tan, Qi Cao and Chee Kit Seow	Structured Training as an Enabler for Women in ICT	Short	Computing & IT Education (2)
2192	Nova Ahmed, Anik Sinha, Anik Saha, Rahat Jahangir, Syeda Shabnam Khan, Ifa Azad Aber and Munir Hasan	The future nexus of computational thinking education: A preliminary systematic review of reviews	Full	Computing & IT Education (1)
2194	Zerong Xie, Jeffrey Radloff, Gary K. W. Wong and Ibrahim H. Yeter	Problem-Based Learning and Electromagnetic-related Concepts in an Engineering Course	Short	Engineering Education (1)
2201	David Antonio Buentello-Montoya and Francisco Javier Montes-Montepé	Research profiles of Australian computing education authors: A scientometric analysis	Short	Learning Analytics (3)
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2525	Shuhan Zhang, Yuxin Chen and Junjun Xia	MAKT: Multichannel Attention Networks based Knowledge Tracing with Representation Learning.	Full	Technology-Enhanced Learning
2804	Xuyang Jiang, Yuanxin Ouyang, Zhuang Liu, Wenge Rong and Zhang Xiong	Exploring the possibility of working in Japan for IT engineers who do not speak Japanese	Short	Learning Analytics (1)
2838	Kenji Fukuoka, Yi Sun and Kazuhiro Ohtsuki	Exploring the possibility of working in Japan for IT engineers who do not speak Japanese	Short	Reform of Industrial Design Specialty for New Engineering Education
2971	Sukri Leelaakul, Taubasa Minematsu, Yuta Taniguchi, Fumiya Okubo, Takayoshi Yamashita and Atsushi Shimada	Scaled-Dot Product Attention for Early Detection of At-risk Students	Full	Learning Analytics (2)
2984	Matsuo Yoko, Hean Low, David Yi Kai Chan, Kwok Kee Lee, Donny Cheng Lok Sook, Wei Dong Lin and Liang Boon Wee	Team-based Learning for Productivity Management Module	Short	Reform of Industrial Design Specialty for New Engineering Education
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3292	Shyh-Chour Huang	The Effect of PBL on College Students' Learning Motivation of Dynamics Course	Full	Engineering Education (1)
3452	Ka-Ki Leung, Wai-Ho Huang, Jackey Ho, Jiarui Gu, Qiang Meng, Rusheng Zhang, Ka-Ho Leung and Tsz Ho Kwan	An Inquiry-based Genetics Learning Platform: A Preliminary Report	Short	Community Engagement, Service Learning and Learning for the Future
3507	Kento Shigyo, Hidenari Kiyomitsu, Hitozhi Sato and Kazuhito Ohtsuki	Support Awareness of Anomaly in Coding Behavior using Code Revision Data	Full	Learning Analytics (1)
3511	Pilar Hidalgo-Leon, Ana Luna and Lomel Rivas	Social and Scientific Relevance of Peruvian Undergraduate Theses in Computer and Systems Engineering Schools	Short	Engineering Education (1)
3741	Komal Prasad	Studying STEM Identity of Hong Kong kindergarten teachers who adopt an inquiry-based teaching approach	Full	STEM Education
3950	Yujia Wang, Shuqi Liu and Lingqi Song	Designing an Educational Chatbot with Joint Intent Classification and Slot Filling	Full	Next-Stage Virtual Teaching (3)
4176	S. Supraj, Sophia Tan, Fung Lung, Beng Koon Ng, Shen Yong Ho and Andy W. H. Kong	Role of Instructors to Enhance Student Experience in Undergraduate Makerspaces	Full	Engineering Education (2)
4267	Amarpreet Gill, Derek Irwin, Sannia Mareta, Dave Towey, Yanhui Zhang, Joseph Tanaka and Alan Wang	A Pilot Study Investigating Student Interaction Preferences in Immersive Virtual Reality Environments	Full	Next-Stage Virtual Teaching (1)
4326	Yannu Guo and Michelle Lee Fong Cheong	Internship and Curriculum Development for Post-graduate Analytics Students – A case study on Master of IT in Business Programme in Singapore Management University	Full	Community Engagement, Service Learning and Learning for the Future
4349	Pranvi Peniyala, Srijya Reddy, Atjun Rajasekar, Syed Falahuddin Quadri, Jithanara N and Ramesh Loganathan	Framework for Automated Attendance & Attention Tracking to Address Learning Gaps Due to Pandemic	Full	Learning Analytics (3)
4368	Chung Chan, Assan Kohn, Ohang Liang, Glenn Salter, Ruojun Tang, Chunxiao Ye and Chao Zhao	DIVE: Make Online Learning Diversified, Interactive, Versatile, and Engaging	Full	STEM, Open, Flexible & Distance Learning
4482	Dexter Chew and T. Hui Tao	Realtime Online Learning Attention Tracker	Short	Next-Stage Virtual Teaching (2)
4483	Pei-Hua Chang, Su-Fen Cheng, Chi-Wei Cheng and Ching-Biau Tzeng	An Exploration of Instructional Design and Its Effectiveness of Using Cognitive Load Perspective into Electronics Experiment Course	Full	Next-Stage Virtual Teaching (3)
4518	Shuqi Liu, Shuying Man and Lingqi Song	An NLP-Empowered Virtual Course Assistant for Online Teaching and Learning	Full	Next-Stage Virtual Teaching (1)
4534	Zhenyuan Fan, Yun Sun and Junjun Xia	Construction of interdisciplinary Graduate Design Module by Industrial Design Under the background of Emerging Engineering Education	Short	Reform of Industrial Design Specialty for New Engineering Education
4671	Shunji Bai, Khe Foon Hew, Shuhan Zhang, Weijiao Huang and Donn Emmanuel Gonda	Examining Effects of the Flipped Classroom in Science Education: A Meta-analysis	Short	Hyflex and Online Teaching
4749	Kim-Hung Lam, Wai Ki Vicky Chan, Long-Yung Ivan Chung, Wai-Chun Boris Leung, Kwong-Chak Gary Cheung, Yoon-su Lawrence Lee and Wing-Yu Yu	The use of interactive whiteboard to promote active learning in online/hybrid classes – a case study on science education	Short	Technology-Enhanced Learning
4770	Yunfei Liu, Long Fai Cheung, Wa Lap Lam and Henry C.B. Chan	Detection of Online Student Behavior Using Emotion and Eye/Head Movement	Short	Hyflex and Online Teaching
4860	Yi Xuan Chia, Kai Heng Lok, Zhen Yu Brandon Ong, Jun Xian Lim, Jun Kai Ooi, Qi Cao, Peter Chunyu Yau and Li Hong Idris Lim	Sentiments Analysis and Feedback among Three Cohorts in Learning Software Engineering Modules	Short	Computing & IT Education (2)
5046	Mirella Bikanga Ada and Mohammad U. Majid	Developing a system to increase motivation and engagement in student code peer review	Short	Computing & IT Education (3)
5117	Shuhan Zhang and Gary K. W. Wong	Cross-lagged Associations between Cognitive Performance and Attitudinal Beliefs of Computational Thinking: A Preliminary Study	Short	STEM, Open, Flexible & Distance Learning
5447	Rebecca Rosemary Self and Alex W. C. Tse	Design, Development, Implementation and Evaluation of Female-friendly Learning Design on Enhancing Grade 1 and 2 Girls' Motivation in STEM Education	Full	STEM, Open, Flexible & Distance Learning
5468	Fenghong Wang, Aowei Li and Jianhao Wu	Using Virtual Reality to Enhance the Teaching of Kin Firing of Ceramic Products	Short	Education Metaverse and Immersive Learning
5644	Mei Yang, Binayak Tiwari, Rama Gautam, Edwin Ma, Shaoan Zhang and Venkatesan Muthukumar	The Analysis of Student Experimental Behavior Based on Multi-source Information Fusion	Short	Computing & IT Education (3)
5745	Deng Tianping, Wu Jingyao and Zhang Lin	Training Physiotherapy Students in Clinical Questioning and Reasoning using a Chatbot	Short	Learning Analytics (1)
5806	Chienching Lee, Malcolm Low, Benjamin Soon, Liming Lu, Hweehoon Lee and Nadya Shazny Patel	NFT-Ment: An NFT-based Module Credit Management System on Ethereum Blockchain	Short	Next-Stage Virtual Teaching (1)
5851	Purnima Murali Mohan, Vivek Balchandran, Ong Ze Quan, Jas Pang Ze Xin and Dinil Mon Divakaran	A Machine Learning-based application to translate foreign languages using images and photographs	Short	Next-Stage Virtual Teaching (2)
6145	Rodrigo Eduardo Gomez-Ortiz and David Antonio Buentello-Montoya	AP-Coach: formative feedback generation for learning introductory programming concepts	Full	Learning Analytics (1)
6157	Duong Ta, Lwin Khin Shar and Venky Shankararaman	Aluminum Cans Consumption: IoT Project, Science Outreach, Learning Curve, and STEM Careers	Full	STEM Education
6174	Otaclio Antunes Santana	Student Experience of Flexible Engineering Education: A Case Study at Two Foreign Universities in the Far East	Short	Engineering Education (2)
6180	Sheff Weisen	Cubes: Novel Graphical Method for Boolean Functions Simplification	Short	Engineering, Computing and IT Education
6366	Ibrahim Elewah and Sara Jaleleddine	Learning & Assessment by Technical Report Writing on Engineering Products of Photonics & Optoelectronics	Short	Engineering Education (2)
6527	Sang Lam	Instructional Design Assistant Mentorship Scheme for Innovations on Virtual Instruction	Short	Next-Stage Virtual Teaching (3)
6689	Xinyi Liang and Chi-Un Lei	VR Computing Lab: An Immersive Classroom for Computing Learning	Full	Education Metaverse and Immersive Learning
6690	Shawn Pang, Kyong Jin Shim, Yi Meng Lau and Swapna Gottipati	Smart Diving Gesture Interaction Design Based on DMPT Compatibility Model	Short	Reform of Industrial Design Specialty for New Engineering Education
6823	Fenghong Wang, Yueheng Peng and Zhongyi Tang	Attention-LGBM-BILSTM: An Attention-Based Ensemble Method for Knowledge Tracing	Short	Learning Analytics (1)
6937	Si Shi, Wuman Luo, Rita Tse and Giovanni Pisu	Enhancing Lower Achievers' Performance in Learning Calculus By Invoking Order Thinking Skills With Polmind Method	Short	Engineering Education (2)
6981	Siao Siu Law, Chee Tiong Ong and Norlithuda Ismail	Identification, Relevance, and Limitations of Threshold Concepts in Electrical and Electronic Engineering	Short	Engineering Education (1)
7034	Zohab Akhtar	Space-Exploration Learning Tasks for Students	Short	Engineering Education (3)
7065	Fat Patanaratnam	Application Research of CDO Education Initiative in Reforming Online-Offline Hybrid Teaching of "Software Testing" Course"	Short	Next-Stage Virtual Teaching (3)
7068	Song Xiaotao	MeetEE: Engagement Estimation-based Online Meeting Room for Distance Learning	Short	Learning Analytics (2)
7282	Shofyati Nur Karimah and Shinobu Hasegawa	On the Enhancement of Cultivation Quality for Full-time Graduate Students of Professional Degrees of Engineering	Short	Engineering Education (2)
7534	Zhan Hao Li, Guo Chun Wan and Mei Song Tong	A Recommendation on How to Teach K-Means in Introductory Analytics Courses	Short	Computing & IT Education (3)
7767	Manoj Thulasidas	Use of Online In-Class Quizzes to Motivate and Engage Students in Courses in Semiconductor Devices and Integrated Circuits	Full	Next-Stage Virtual Teaching (1)
7855	Sang Lam and Mansun Chan	Examining Teachers' Brain Functional Connectivity during Reflection: A Preliminary Study	Full	Technology-Enhanced Learning
8064	Fatini Md. Said, Taha Mahmoud Al-Naimi, Narina A. Samah and Ahmad Zuri Sha'Amerni	Development of a Short-Form Career Resilience Inventory for Online learning: Verification based on analysis results on online learning	Full	Engineering, Computing and IT Education
8321	Maki Arame, Junko Handa, Yoshiko Goda, Masashi Toda, Makoto Itoh and Satoshi Kitazaki	Evaluation of Online Learning Platforms for Interactive Self-paced Learning of Container-based Software Development	Short	Learning Analytics (3)
8495	Richard Wing Cheung Lui, Nga Yin Dik and Philip Tin Yun Lee	Exploring Students' Perceptions via Data Processing by the Structure-Oriented Evaluation Model	Short	Engineering, Computing and IT Education
8555	Uranchoeng Tudevayava, Uiam-Ongthiojjav and Bat-Erdene Bayar	Academic Writing for Publication: Transforming Engineering Pedagogues	Full	Engineering, Computing and IT Education
8589	Yan Li, Neil Smyth and Vladimir Brusic	Teaching Engineering Students Equity, Diversity and Inclusion (EDI)	Short	Engineering Education (2)
8602	Eliathamby Ambikairajah, Shaghik Atakaramians and Aruna Seneviratne	Using chatbot as a goal-setting facilitator in an online course: students' performance and teacher's perception	Short	Next-Stage Virtual Teaching (3)
8662	Weijiao Huang, Nicole J. Tavares, Jiahui Du and Khe Foon Hew	Graduate Attribute Assessment for Each Student of Remote Sensing Science and Technology Program	Full	Next-Stage Virtual Teaching (2)
8672	Rose Nishuhle Basakole Sato, Hiroaki Washizaki and Yoshiaki Fukuzawa	I betrayed my ethical principles: Investigating master's dissertation marking practices in CS	Full	Computing & IT Education (3)
8874	Yi Zhang, Yan Gong and Weihong Cui	A Comparative Study of the Educational Practice of Industrial Design Majors for New Engineering Disciplines	Short	Reform of Industrial Design Specialty for New Engineering Education
9020	Mirella Bikanga Ada	Managing Motivation and Information Processing of Students in a Learning Analytics Course during Emergency Remote Teaching	Full	Engineering, Computing and IT Education
9188	Yali Chen and Yong Ma	Gamified Online Industry Learning Platform for Teaching of Foundational Computing Skills	Full	Computing & IT Education (3)
9260	Chi-Jin Lei	Contextualizing Introductory API Development Course for First-Year Engineering Students	Full	Computing & IT Education (1)
9265	Yi Meng Lau, Rafael J. Barros, Swapna Gottipati and Kyong Jin Shim	SenCu as a Sensing System to Experience Programming Design	Short	Computing & IT Education (1)
9429	Zhu Liang	Integration of Player Experience for the Acceptance Model of Science, Technology, Engineering and Mathematics Digital Educational Games	Short	Technology-Enhanced Learning
9552	Sun-Ying Chen, Yi-Jie Hsieh, Hsiao-Ju Lo, Fu-Cheng Chen, Chih-Chyau Yang, Chien-Ming Wu and Chun-Ming Huang	Teach Reinforcement Learning Robot Class	Short	Engineering Education (1)
9648	Huana Hafiza Razami and Roslina Ibrahim	Introducing Alternative Value Proposition Canvas for Collaborative and Blended Design Thinking Activities in Science and Engineering Education	Full	Hyflex and Online Teaching
9774	Zhang Yonghe, Qu Wenjiao, Xiao Kufan and Zhong Guocheng			
9953	Denis Gillet, Isabelle Vonèche Cardia and Jérémy La Scala			

## TALE 2022 Poster Sessions

ID	Authors	Title	Type
1560	Shiyu Tang, Hanqing Pang and Fun Man Fung	Applying Gather.town to Facilitate Social Interaction in a Laboratory Module	Hybrid
2289	Xiaochun Yang and Jin Zhang	Preliminary Exploration of Incorporating Industrial Software Curriculum into University Software Engineering Education	Hybrid
3317	Adabella Alda, Vera Chung and Xiaoming Chen	Work-in-progress: Light Field Technology Induced Variable Depth of Field for the Enhancement of Photography Learning	Hybrid
4313	Rajesh Kushalkar, Nimala Venkat, Firuza Kamali, Nagesh Kamali, Sudhakar Kumar, Kannan Moudgalya and G. V. V. Sharma	Large Scale IoT Training using Arduino	Hybrid
5308	Kevin Kam Fung Yuen and Amy Ooi Mei Wong	Research-Informed Teaching Curriculum Development for Social Network Analysis	Hybrid
7964	Abhijit Date, Ve Quoc Linh, Minh Cuong Do, Fiona Zhang and Quang Lich Nguyen	Embedding Career Development Learning, Empowering Students, And Discouraging Plagiarism	Hybrid
9191	Norman Lee, Oka Kumiawan, Kenny T.W. Choo, Matthieu De Mari and Simon Perrault	Laboratory Activities for an Introductory Programming Course	Hybrid
523	Zhengguang Xu, Xiaojun Hei and Daiming Qu	Process Data Acquirement and Analysis for the Online Experiment in Principles of Communications	Virtual
527	Miguel G. da Costa Junior and Ana A. A. Carvalho	Reactions of Computer Science Students to Peer Instruction Activities in Class	Virtual
1019	Takashi Imanura, Shigehito Tanahashi, Kazuki Hayashi, Asuka Mano, Tsutomu Abe and Akemi Asatsuma	Practices of Lifelong Education on Programming to Support STEM Education in Primary Schools	Virtual
1953	Qing Tang, Gang Li, Jingjun Xia and Yuhang Li	Research On The Composition Of Design Graduate Students' Academic Competence From Interdisciplinary Perspective (Take Industrial Design As An Example)	Virtual
2074	Yue Liu, Liangyuan Zhou and Laurie Cuthbert	Re-sit Exam Timetabling System using a Tailored Genetic Algorithm	Virtual
2484	Fesal Toosy, Arslan Arif, Ali Ahmed, Christothea Herodotou, Stefan Poslad and Khurram Hamid	How Do Final Year Projects Of Engineering Students Relate To Myer-Briggs Type Indicator Assessment?	Virtual
2656	Ivan Rumyanchev, Margarita Aivazova and Denis Akhmetov	Work-in-Progress: Virtual Reality Trainer for Vector Network Analyzer Calibration	Virtual
3265	Jingjing Lin	Impact of Online Journal Club On Educational Research Literacy: Introducing An Ongoing Project	Virtual
3360	Manoj Thulasidas and Aldy Gunawan	Cold Calls to Enhance Class Participation and Student Engagement	Virtual
3513	Madelaine Jia Qi Thong, Arico Qi Xian Yau, Sida Andy Goh, Jinming Gu, Qi Cao and Sye Loong Keoh	Learning Experiences and Analysis in Professional Software Development Subject	Virtual
3783	Titilope Olusola-Fadumiye, Jamalludin B Harun and Megat Aman Zahiri Bin Megat Zakaria	Development of Authentic-Based Multimedia Learning in African Higher Institutions: Prospect and Problems	Virtual
3920	Satoru Izumi, Kentaro Sato, Akiko Takahashi and Shinji Chiba	Introductory Education for IoT Technology for First Year Students	Virtual
4528	Tzung-Sheng Yang, Wei-Chia Huang and I-Wei Lai	Autogeneration of Explanatory Math Animation	Virtual
4576	Iwan Kustiawan, Mokhammad Syaom Barliana, Liis Widaningsih, Ana, Pupung Pumawaman and Hasbullah	Changes in the Learning Paradigm during the Covid-19 Pandemic	Virtual
4847	Sayuri Tanabashi	Digital Narratives: Alternative Object-based Learning During the COVID-19 Pandemic	Virtual
4940	Tetsuo Fukui and Shizuka Shirai	Development of Online Support Tools for Creating STEM Educational Materials	Virtual
5041	Md Sakib Ullah Sourav, Violetta Chunyu Hou, Sophia Linda Morsten, Cristina Diordieva, Jeffrey Radloff and Ibrahim H. Yeter	Exploring Engineering Education in Bangladesh, Hong Kong, Singapore, and Switzerland: An International Perspective	Virtual
5042	Shubhakar Kalya, Chee Huei Lee and Tee Hui Teo	Enhanced Learning Experience for Remote Students in Hybrid Class Model using 360° View Camera and Tele-Robot	Virtual
5172	Ziming Qi, Louise Rummel, Ray Jauny and Deborah Rowe	A Teaching and Learning Design in Nursing Education Using Mobile AR Technology	Virtual
6152	Mei Song Tong, Jing Wen Hu and Guo Chun Wan	Student-Oriented Reform of Microelectronics Courses under the Background of Emerging Engineering	Virtual
6158	Lawrence Lam	Remote Learning of A Full Product Development Cycle Project Class	Virtual
6343	Mei Song Tong, Ya Ming Xie and Guo Chun Wan	On the Problems and Optimization of Curriculum Arrangement in China's Universities	Virtual
7572	Mei Song Tong, Chuan Ming Guo and Guo Chun Wan	Subject Integration: Exploration of Educational Reform under New Engineering Background	Virtual
7909	Gloria Yuet Kwan Ma, Cherry Choi and Patcy P. S. Yeung	Experience and Awareness of University Staff and Post-graduate Students Regarding Accessibility of Virtual Teaching and Learning in Hong Kong	Virtual
8040	Miguel G. da Costa Junior, Oi-Tai Tai, Hong-Lam Chu, Chi-Hou Chio and Kam-Weng Tam	A Diffraction Experiment Kit with an Arduino based Programmable Rotational Sample Platform	Virtual
8324	M Palanivelan, S N Murugesan and M Subbiah	Outcome Based Engineering Education - The Current Scenario in India	Virtual
8474	Ruth Schorr	Impact of Learning Style based Teaching on Students Performance in a Formal Methods Course for Computer Scientists	Virtual
8712	Jonas Kelsch and Tianchong Wang	Promoting Self-regulated Learning with Shared Documents: A Case Study of Academic English Instruction	Virtual
8750	Stella Yin	The Role of Basic Psychological Needs Satisfaction in Primary Student's Computational Thinking Development	Virtual
9010	Sei Matsushita and Min Kang	An Analysis of Learners' Perception to Synthetic Voices in Russian Language Learning	Virtual
9065	Sathiamoorthy Manoharan	Identity Verification for Examinations	Virtual
9119	Lin Ting-Jun and Ibrahim H. Yeter H. Yeter	A Systematic Literature Review of Computational Thinking in K-8 Education Setting Through The Lens Of a Pedagogical Content Knowledge Analysis	Virtual
9159	Lipika Sangchan, Komkrit Chomsuwan and Wuttipom Suamuang	Implementation of 4MAT for Personal Problem-Solving Skills Development in Production Process	Virtual

## TALE 2022 Workshop Sessions

ID	Author(s)/Speaker(s)	Title
Workshop 1	May Kristine Jonson Carlon, Robert Anthony Olexa, Donn Emmanuel Gonda, John Maurice Gayed and Jeffrey Scott Cross	Workshop: Creating Fun and Adaptive Lessons with Twine
Workshop 2	Donn Emmanuel Gonda, May Kristine Jonson Carlon and Chi-Un Lei	Innovating Your Course Design – Why Bother? And Where to Start?
Workshop 3	Henry Chan	Teaching in a Hybrid/Online Classroom based on a 4C Model