International Conference on Computational Thinking Education 2018 (CTE2018) (Tentative) Programme Rundown

(Tentative) Programme Rundown							
		14 June 2018 (Thu	rsday)		15 June 2018 (Fr	riday)	
09:00 - 09:15	Registration Co. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20						
09:15 - 09:30			Conference Centre, 09:00-09:30				
09:30 – 09:45		Opening Ceremo	ony	Keynote Speech 2			
09:45 - 10:00		Conference Centre, 09:.	20 10.15	"The Power behind the Power Point®" by Prof. Judi			
10:00 – 10:15		Conjerence Centre, 09 Coffee Break	50-10.15	(The Open University of Israel, Israel)			
10:15 – 10:30		Conference Centre, 10:	15-10:30	Conference Centre, 09:30-10:30			
10:30 – 10:45	"Beyond Cor	Keynote Speech 1 "Beyond Computational Thinking: Coding, Designing, and Making in the		Coffee Break Conference Centre, 10:30-10:45			
10:45 – 11:00		21st Century" by Prof. Yasm			Session 7	Session 8	
11:00 – 11:15		(University of Pennsylva			• Paper 28 (S:10:45-11:05)	• Paper 26 (S:10:45-11:05)	
11:15 – 11:30		Conference Centre, 10:.		Poster	• Paper 19 (S:11:05-11:25)	• Paper 36 (S:11:05-11:25)	
11:30 – 11:45	Poster	Session 1	Session 2	Display	• Paper 25 (L:11:25-11:55)	• Paper 38 (S:11:25-11:45)	
11:45 – 12:00	Mounting	• Paper 53 (L:11:30-12:00)	• Paper 32 (L:11:30-12:00)	Session	• Paper 35 (L:11:55-12:25)	• Paper 55 (S:11:45-12:05)	
12:00 – 12:15	Conference	• Paper 71 (L:12:00-12:30)	• Paper 50 (L:12:00-12:30)		• Paper 65 (S:12:25-12:45)	• Paper 57 (L:12:05-12:35)	
12:15 – 12:30	Centre	E-P-12, 11:30-12:30	E-P-13, 11:30-12:30		E-P-12, 10:45-12:45	E-P-13, 10:45-12:35	
12:30 – 12:45		Networking Lun	ch		E-F-12, 10.43-12.43	E-F-13, 10.43-12.33	
12:45 – 13:00		Tietworming Buil			Networking Lui	nch	
13:00 – 13:15		Conference Centre, 12:.	30-13:30		Tection King Dunen		
13:15 – 13:30			T		Conference Centre, 12.	:45-13:45	
13:30 – 13:45		Session 3	Session 4	G Imi	Olda i Di a i	C I I D	
13:45 – 14:00	ъ.	• Paper 14 (L:13:30-14:00)	• Paper 21 (S:13:30-13:50)	CoolThink	CoolThink@JC Senior Primary Coding Curriculum Dissemination		
14:00 – 14:15	Poster	• Paper 15 (S:14:00-14:20)	 Paper 22 (S:13:50-14:10) Paper 42 (S:14:10-14:30) Paper 62 (S:14:30-14:50) 	Seminar by Prof. Siu-cheung KONG (The Education University of Hong Kong, HK)			
14:15 – 14:30	Display Session	• Paper 31 (S:14:20-14:40)					
14:30 – 14:45	Conference	Paper 51 (L:14:40-15:10)Paper 72 (S:15:10-15:30)			Conference Centre, 13:45-14:45		
14:45 – 15:00	Centre		• Paper 70 (S:14:50-15:10)		Session 9	Session 10	
15:00 – 15:15		E D 12 13 30 15 30	• Paper 74 (S:15:10-15:30)	Poster	• Paper 43 (S:14:45-15:05)	• Paper 34 (S:14:45-15:05)	
15:15 – 15:30		E-P-12, 13:30-15:30	E-P-13, 13:30-15:30	Display	• Paper 63 (S:15:05-15:25)	• Paper 23 (L:15:05-15:35)	
15:30 – 15:45		Coffee Break		Session • Paper 58 (S:15:25-15:45)			
	_	Conference Centre, 15:.			E-P-12, 14:45-15:45	E-P-13, 14:45-15:35	
15:45 – 16:00	Poster	Session 5	Session 6		Invited Speech 1	Workshop	
16:00 – 16:15	Display Session	• Paper 39 (S:15:45-16:05)	• Paper 13 (L:15:45-16:15)		tational Thinking for Social by Mr. Nawneet RANJAN	"Interact with real world: MIT App Inventor and IoT"	
16:15 –16:30	Conference	 Paper 64 (S:16:05-16:25) Paper 61 (S:16:25-16:45) 	• Paper 54 (L:16:15-16:45)		Oharavi Diary, India)	by Massachusetts Institute	
16:30 -16:45	Centre	E-P-12, 15:45-16:45	E-P-13, 15:45-16:45		ence Centre, 15:45-16:45	of Technology, US	
16:45 – 17:00		Poster Presentati	J	00.90		E-P-12, 15:45-17:00	
10.10		Poster Presentati Paper 16	UII				
	Paper 44						
	Paper 48						
17:00 – 17:15	Paper 30						
	Paper 49						
	Paper 59						
	Paper 17						
	Paper 69						
	Paper 56 Conference Centre, 16:45-17:15						
		•					
18:00 - 20:00		Networking Ding					
	Ch	inese Restaurant (Block C), Ed	UHK, 18:00-20:00				

	16 June 2018 (Saturday)
09:00 - 09:15	Registration
09:15 - 09:30	Conference Centre, 09:00-09:30
09:30 - 09:45	Keynote Speech 3
09:45 - 10:00	"What lies beneath? Towards the cognitive underpinnings of computational thinking" by Prof. Judy ROBERTSON
10:00 - 10:15	(University of Edinburgh, UK)
10:15 - 10:30	Conference Centre, 09:30-10:30
10:30 - 10:45	Coffee Break
10.30 - 10.43	Conference Centre, 10:30-10:45
10:45 - 11:00	Invited Speech 2
11:00 - 11:15	"Computational Thinking Goes to Science and Math Class: The Case for STEM+C"
11:15 – 11:30	by Ms. Linda Shear (SRI International, US)
11:30 - 11:45	Conference Centre, 10:45-11:45
11:45 – 12:00	Computational Thinking and Future Education Forum
12:00 - 12:15	Panelists: Principal Tsz-wing CHU (Baptist Rainbow Primary School, HK)
12:15 – 12:30	Prof. Heinz Ulrich HOPPE (University of Duisburg-Essen, Germany)
	Prof. Chee-kit LOOI (Nanyang Technological University, Singapore)
12:30 – 12:45	Moderator: Prof. Siu-cheung KONG (The Education University of Hong Kong, HK)
	Conference Centre, 11:45-12:45
12:45 – 13:00	Closing Ceremony
	Conference Centre, 12:45-13:00
13:00 - 14:00	Networking Lunch
	Conference Centre, 13:00-14:00

Note: The Conference Centre, E-P-12 and E-P-13 are located at Block E, Podium, EdUHK.

June 14, 2018	Petailed Programme (Thursday)	Venue*
09:00 - 09:30	Registration	Conference Centre
09:30 – 10:15	Opening Ceremony	Conference Centre
10:15 – 10:30	Coffee Break	Conference Centre
10:30 – 11:30	Keynote Speech 1 Beyond Computational Thinking: Coding, Designing, and Making in the 21 st Century Speaker: Prof. Yasmin B. KAFAI (University of Pennsylvania, US)	Conference Centre
	Academic Paper Presentation Session 1 Track: Computational Thinking A Complementary View for Better Understanding the Term Computational Thinking (paper 53) Marc JANSEN, Dan KOHEN-VACS, Nuno OTERO, Marcelo MILRAD The Use of Computational Thinking Concepts in Early Primary School (paper 71) Ivica BOTICKI, Danica PIVALICA, Peter SEOW Academic Paper Presentation Session 2	E-P-12
11:30 – 12:30		
12:30 – 13:30	Networking Lunch (for invited guests and paid participants)	Conference Centre
	Academic Paper Presentation Session 3	
	Track: Computational Thinking and Coding Education in K-12 Analysis of Learner's Self-efficacy using Coding Education Support System for Understanding Complex Problem-Solving Steps (paper 14) In-seong JEON, Hyeon-jeong JEONG, Ki-sang SONG Learning to Code—Does It Help Students to Improve Their Thinking Skills? (paper 15) Ronny SCHERER, Fazilat SIDDIQ, Bárbara SÁNCHEZ VIVEROS To Improve the Computational Thinking of Elementary School Students by Scaffolding (paper 31) Chien-i LEE, Sheng-chuan CHUANG, Shu-min WU Computational Concepts, Practices, and Collaboration in High School Students' Debugging Electronic Textile Projects (paper 51) Gayithri JAYATHIRTHA, Deborah A. FIELDS, Yasmin B. KAFAI A School-wide Approach to Infusing Coding in the Curriculum (paper 72) Sirajutheen Shahul HAMEED, Chee-Wah LOW, Poh-tin LEE, Nur Illya Nafiza MOHAMED, Wuay-boon NG, Peter SEOW, Bimlesh Wandeld Statist Press Devet (paper 5)	E-P-12
13:30 – 15:30	Academic Paper Presentation Session 4 Track: Computational Thinking and Teacher Development The Design and Practice of Teacher Training Courses for Computational Thinking 基于计算思维培养的教师培训课程设计与实践 (paper 21) # Yuxin LIU, Guang CHEN, Siyu ZHA, Anqi ZHANG An Investigation of Learning Achievement of Code.org Computational Thinking Course for Preservice Elementary School Teachers 國小師資生 Code.org 運算思維課程實作與成效探討 (paper 22) # Cheng-hsuan LI, Chih-wei YANG, and Bor-chen KUO Two Studies of Perceived and In-Situ Readiness for Implementing the Computing Education in Singapore (paper 42) Longkai WU, Chee-kit LOOI, Meng-leong HOW, Liu LIU "It Opens Up a New Way of Thinking, but": Implications from Pre-Service Teachers' Introduction to Computational Thinking (paper 62) Yu-hui CHANG, Lana PETERSON The Readiness of Computational Thinking Education in Taiwan: Perspectives from the K-12 Principals in 2017 (paper 70) Ting-chia HSU A Survey of Secondary School Computing Teachers' PCK in Teaching Computational Thinking 中學資訊科技教師運算思維學科教學能力調查 (paper 74) # Min-ying TSAI, Cheng-chih WU, Chih-hung YU	E-P-13

June 14, 2018	(Thursday)	Venue*
	Poster Display Session	Conference Centre
15:30 – 15:45	Coffee Break	Conference Centre
15:45 – 16:45	Academic Paper Presentation Session 5 Track: Computational Thinking Development in Higher Education The Use of Computational Thinking to Advance Learning in the Pre-university Subject of Digital Literacies (paper 39) Ildiko VOLCZ Computational Thinking Teaching Material Design Based on Scratch and Effectiveness Analysis 應用 Scratch 之運算思維教材設計與教學成效分析 (paper 64) # Chih-wei YANG, Cheng-hsuan LI, Bor-chen KUO, Cheng-yen HSIEH Track: Computational Thinking and IOT A Design-based Approach to Implementing a Computational Thinking Curriculum with App Inventor and the Internet of Things (paper 61) Chi-hung TSENG, Mike TISSENBAUM, Wen-hsuan KUAN, Feng-chih HSU, Ching-chang WONG	
	Academic Paper Presentation Session 6 Track: Computational Thinking and Teacher Development Teacher's Perceptions and Readiness to Teach Coding Skills: A Comparative Study between China, Finland and Singapore (paper 13) Chee-kit LOOI, Jari MULTISILTA, Longkai WU, Pauliina TUOMI Computational Thinking Reshapes the Teachers' Perspective on Human Mind towards Teaching and Learning Process (paper 54) Hew-mee CHEAH	E-P-13
	Poster Display Session	Conference Centre
16:45 – 17:15	Track: Computational Thinking and Unplugged Activities in K-12 Design a Computational Thinking Board Game Based on Programming Elements (paper 16) Sheng-yi WU, Jia-cen FANG, Shu-mei LIAN Track: Computational Thinking and Coding Education in K-12 Comparing with Scratch and Python in CT Concepts (paper 44) Tae-rycong KIM, Sun-gwan HAN A Curriculum and Contents of Programming Education for Computational Thinking (paper 48) Hyojin BYUN, Miyoung RYU, Sungwan HAN Track: Computational Thinking and Subject Learning and Teaching in K-12 Promoting Computational Thinking and Collaborative Skills in Primary Robotics Classes (paper 30) Hyungshin CHOI, Jeongmin LEE Track: Computational Thinking and STEM/STEAM Education Examining a Secondary School Computational Action Curriculum Using App Inventor and the Internet of Things (paper 49) Mike TISSENBAUM, Josh SHELDON, Hal ABLESON, Mark SHERMAN Track: Computational Thinking and Special Education Needs Curriculum Development for Integrating Computational Thinking into Mathematical Problem Solving: a Study for Children with Special Needs 结合運算思維在例外特殊教育需求的數學教學活動之發展 (paper 59) # Chen-huei LIAO, Bor-chen KUO, Kai-chih PAI, Pei-chen WU Track: Computational Thinking and Teacher Development Designing Computational Thinking and Teacher Development Designing Computational Thinking Assessment: A Case Study of a Pre-Service Teacher Course in Korea (paper 17) Mi Song KIM, Hyungshin CHOI Which Parts do Future Teachers Identify of Computer Science Concepts? First Results of an Analysis of Part-Whole-Thinking in Computer Science Education (paper 69) Nils PANCRATZ, Ira DIETHELM Track: General Submission to Computational Thinking Education Virtuality Literacy: On the Representation of Perception (paper 56) Andreas DENGEL	Conference Centre
18:00 – 20:00	Networking Dinner (for invited guests and paid participants)	Chinese Restaurant, Block C

09:00 - 09:30 09:30 - 10:30 10:30 - 10:45	Registration Keynote Speech 2	Conference Centre
	Keynote Speech 2	
10:30 – 10:45	The Power behind the Power behind the Power Point® Speaker: Prof. Prof. Judith Gal-Ezer (The Open University of Israel, Israel)	Conference Centre
	Coffee Break	Conference Centre
	Academic Paper Presentation Session 7 Track: Computational Thinking and Unplugged Activities in K-12 The Application of Unplugged Computational Thinking Activities in High School - Taking "Binary Card" Course as an Example 不插电的计算思维教学活动在高中课堂教学中的应用 — 以《二进制卡牌》课程为例 (paper 28) # Bingqing YANG, Jinbao ZHANG Track: Computational Thinking and STEM/STEAM Education A Preliminary Activity Design of a Task-Based Game - The Navigator 創客奇航-遊戲任務導向之運算思維活動設計初探 (paper 19) # Shu-hsien HUANG, Hung-ju CHEN, Hsin-yu YEH, I-fan TSAI, Ju-ling SHIH Introducing Computational Thinking across the Curriculum with Virtual Reality (paper 25) Merijke COENRAAD, David WEINTROP A DSML for a Robotics Environment to Support Synergistic Learning of CT and Geometry (paper 35) Nicole HUTCHINS, Timothy DARRAH, Hamid ZARE, Gautam BISWAS Development of BIC-Science Module: An Interdisciplinary Approach of Computer Science and Primary Science Education (paper 65)	E-P-12
10:45 – 12:45	Track: Computational Thinking and Evaluation Assessment of Computational Thinking (paper 26) Nikolina BUBICA, Ivica BOLJAT Cross Comparison of Multiple Computational Thinking Activities: a Grey-based approach (paper 36) Meng-leong HOW, Chee-kit LOOI Exploring the Assessment of Computational Thinking from 2013 to 2017: A Systematic Review 计算思维评估的研究现状综迹(2013-2017)(paper 38) # Anqi ZHANG, Guang CHEN, Yuxin LIU, Wei CHENG On Tools that Support the Development of Computational Thinking Skills: Some Thoughts and Future Vision (paper 55) Gregorio ROBLES, Jean Carlo Rossa HAUCK, Jesús MORENO-LEÓN, Marcos ROMÁN-GONZÁLEZ, Roberto NOMBELA, Christiane Gresse VON WANGENHEIM Evaluating Computational Thinking in Jupyter Notebook Data Science Projects (paper 57) Clara SORENSEN, Eni MUSTAFARAJ	E-P-13
	Poster Display Session	Conference Centre
12:45 – 13:45	Networking Lunch (for invited guests and paid participants)	Conference Centre
13:45 – 14:45	CoolThink@JC Senior Primary Curriculum Dissemination Seminar Speaker: Prof. Siu-cheung KONG (The Education University of Hong Kong, Hong Kong) Academic Paper Presentation Session 9 Track: Computational Thinking and STEM/STEAM Education A Development of a SW-STEAM Education Program using the Flipped Learning (paper 43) Hae-nam SONG, Sun-gwan HAN Thinking in Parts and Wholes: Part-Whole-Thinking as an Essential Computational Thinking Skill in Computer Science Education (paper 63)	Conference Centre E-P-12
14:45 – 15:45	Skill in Computer Science Education (paper 63) Nils PANCRATZ, Ira DIETHELM Track: Computational Thinking and Evaluation Guiding Learning Thinking in MOOC based on Expert Knowledge Map 基於專家知識地圖引導慕課學習思維 (paper 58) # Jian-Wei TZENG, Nen-Fu HUANG, Chia-An LEE Academic Paper Presentation Session 10 Track: Computational Thinking and Subject Learning and Teaching in K-12 The Development of Computational Thinking of High School Students Based on DBR —Taking the Information Technology Course as an Example	E-P-13

June 15, 2018	(Friday)	Venue*
	Students' Attitude Changes through Integrating Computational Thinking into English Dialogue Learning (paper 23) Xiaojing WENG	
	Poster Display Session	Conference Centre
15:45 – 16:45	Invited Speech 1 Computational Thinking for Social Change Speaker: Mr. Nawneet RANJAN (Dharavi Diary, India)	Conference Centre
15:45 – 17:00	Workshop by Massachusetts Institute of Technology Interact with real world: MIT App Inventor and IoT (Internet of Things) Speaker: Mr. David Tseng Chi-hung (MIT CSAIL Visiting Scientist (with App Inventor), Founder of CAVEDU Education)	E-P-12

June 16, 2018	(Saturday)	Venue*
09:00 - 09:30	Registration	Conference Centre
09:30 – 10:30	Keynote Speech 3 What Lies Beneath? Towards the Cognitive Underpinnings of Computational Thinking Speaker: Prof. Judy Robertson (University of Edinburgh, The United Kingdom)	Conference Centre
10:30 – 10:45	Coffee Break	Conference Centre
10:45 – 11:45	Invited Speech 2 Computational Thinking Goes to Science and Math Class: The Case for STEM+C Speaker: Ms. Linda Shear (SRI International, The United States)	Conference Centre
11:45 – 12:45	Computational Thinking and Future Education Forum Panelists: Principal Tsz-wing CHU (Baptist Rainbow Primary School, Hong Kong) Prof. Heinz Ulrich HOPPE (University of Duisburg-Essen, Germany) Prof. Chee-kit LOOI (Nanyang Technological University, Singapore) Moderator: Prof. Siu-cheung KONG (The Education University of Hong Kong, Hong Kong)	Conference Centre
12:45 – 13:00	Closing Ceremony	Conference Centre
13:00 – 14:00	Networking Lunch (for invited guests and paid participants)	Conference Centre

Notes:

[#] Please note that these papers are written in Chinese and may be presented in Cantonese/Mandarin. * The Conference Centre, E-P-12 and E-P-13 are located at Block E, Podium, EdUHK.