iCLTc 2018

Day 1: Tuesday 4th September	
Time	**Conference Room B (2nd Floor)**
08.00-09.00	**Registration**
09.00-09.20	**Opening Ceremony**
09.20-10.00	**Keynote Speech:** Jan L. Plass **Topic:** Cognitive Load Theory - Challenges and Next Steps **Chair:** John Sweller
10.00-10.40	**Keynote Speech:** Jia Liu **Topic:** Effective Learning and Brain Plasticity **Chair:** Tzu-Chien Liu
10.40-11.00	**Coffee Break**
11.00-12.20	**Paper Presentation Session 1** **Session Chair:** Fred Paas **#01** The Effect of Gamification on Novice Users' Cognitive Load while Learning Software Applications in e-Learning Systems *Ali Darejeh, Nadine Marcus and John Sweller, University of New South Wales* **#08** How Technology Promote Learning Performance: An Empirical Study Based on Three Classes *Hang Hu, Southwest University* **#39** Learning from Hypertext on iPad: Cognitive Load and User Experience *Sandrine Moschetti-Rome and Franck Amadieu, University of Toulouse - CLLE-CNRS* *Cécile Van de Leemput, Université libre de Bruxelles*

	#38	Using Digital Game-Based Learning to Improve Arithmetic Skills
		Sébastien Puma, University of Paris 8
		André Tricot, University of Toulouse 2
		Emmanuel Sander, University of Geneve

12.20-13.30	**Lunch Break**

	Conference Room B (2nd Floor)	**Conference Room 2 (3rd Floor)**
13.30-14.50	**Paper Presentation Session 2** **Session Chair:** Slava Kalyuga **#40** Comparison of Learners' Cognitive Load in Actual Online Learning Environment: Based on Psychophysiological Responses *Yunmi Shin, Jaehee Rho, Yeseul Lee, Jihyun Kim, Jeonghyun Kim and Il-Hyun Jo, Ewha Womans University* **#16** Applying 4C/ID Model to Hazard Perception Training *Jana Hilz, Sarah Malone and Roland Brünken, Saarland University* **#02** Cognitive Load Theory, Resource Depletion and the Delayed Testing Effect *Wayne Leahy, Macquarie University* *John Sweller, University of New South Wales*	**Paper Presentation Session 3** **Session Chair:** Yuling Hsu **#17** Balancing Guidance and Freedom: Teaching Children Geometric Concepts in Computer-Based Simulation Learning Environment *Yuling Hsu and Sheng-Kuei Hsu, Nanfang College, Sun Yat-Sen University.* **#06** The Effects of Learning Emotion on Learning Achievements and Cognitive Load in Desktop Virtual Reality Learning *Huiwen Ni and Yongbin Hu, Jiangsu Normal University* **#15** Learning in an Immersive Virtual Environment: Using Summarizing as a Learning *Lijia Lin, Jiangshan Sun, Yuan Liao and Youqun Ren, East China Normal University*

	#50	The Effectiveness of Goal-Free Effect in Cognitive Load Theory Research: A Meta-Analysis Study *Asim Ali, Ana Da Silva, Alice Hoon and Phil Newton, Swansea University*
14.50-15.10	**Coffee Break**	

Conference Room B (2nd Floor)

Paper Presentation Session 4

Session Chair: Paul Ginns

15.10-16.30	**#51**	When the Mere Presence of Others Makes Learning More Difficult: The Effect of Group Size on Experienced Cognitive Load during Learning *Kate Xu, Irene T. Skuballa and Halszka Jarodzka, Open Universiteit of the Netherlands*
	#37	When Visualisation Meets Mental Visualisation: A Comparison between Human Movement Effect and Imagination Effect *Mona Wong, University of New South Wales* *Juan Cristobal Castro-Alonso, University of Chile* *Fred Paas, Erasmus University* *Paul Ayers, The University of New South Wales*
	#21	Instructional Designing toward Meaningful Learning: A Study of David H. Jonassen's Theories of Instructional Design *Qi Lu and Qunli Sheng, Zhejiang University*
	#10	Yet Another Reconsideration of Cognitive Load Theory *Jan Claes, Ghent University*

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Day 2: Wednesday 5th September	
Time	**Conference Room B (2nd Floor)**
08.30-09.00	**Registration**
09.00-09.40	**Keynote Speech:** Detlev Leutner **Topic:** Self-Regulated Learning and Transfer of Metacognitive Knowledge and Skills **Chair:** Roland Brünken
09.40-10.20	**Keynote Speech:** Chee-Kit Looi **Topic:** When Mobile Learning Meets Cognitive Load Theory **Chair:** Tingwen Chang
10.20-10.30	**ICLTC 2019** Yeon Joo Lee, Maastricht University
10.30-10.50	**Coffee Break**
10.50-12.10	**Paper Presentation Session 5** **Session Chair:** Roland Brünken **#27** The Role of Individual Differences on Near and Far Transfer in Self-Regulated Learning *Ferdinand Stebner, Corinna Schuster and Joachim Wirth, Ruhr-Universität Bochum* *Theresa Dicke, Australian Catholic University* *Yves Karlen, University of Applied Sciences and Arts Northwestern Switzerland FHNW* *Detlev Leutner, Duisburg-Essen University* **#03** Does a Drama-Inspired 'Mirroring' Exercise Enhance Mathematical Learning? *Eleni Smyrnis and Paul Ginns, The University of Sydney*

#24	Pointing or Tracing Gestures for Learning with Multimedia Instructions?
	Babette Park, Andreas Korbach, and Roland Brünken, Saarland University
	Paul Ginns, The University of Sydney
#13	Effects of Cognitive Load on Self-Efficacy during Instruction Independent of Learning
	David Feldon and Ruth Fontana, Utah State University

12.10-13.30	**Lunch Break**

Conference Room B (2nd Floor)	Conference Room 2 (3rd Floor)
Paper Presentation Session 6	**Paper Presentation Session 7**
Session Chair: Tzu-Chien Liu	**Session Chair:** Rustam Shadiev
#33 The Effects of Self-Explanation on Learning from Animation and Simulation for Students with Different Expertise Levels	**#32** The Importance of the Human Cognitive Architecture when Learning Content in a Second Language
Chih-Yi Hsu and Tzu-Chien Liu, Taiwan Normal University	*Anna Dillon, Jase Moussa-Inaty, Kay Gallagher, and Ian Grey, Zayed University*
#28 Impact of Different Instructional Designs on Thermodynamics Learning and Loadings of Expert and Novice Students	*Geraldine Chell, United Arab Emirates University*
Nesli Kala, Kafkas University	**#48** From Speaker-Independent to Accent-Independent: The Variability Effect on Learning Spoken English for EFL Learners
Alipaşa Ayas, Bilkent University	*Mengrong Liu and Yuan Gao, Smart Learning Institute of Beijing Normal University*
#20 Effects of Worked Examples on Step Performance in Solving Complex Problems	
Ouhao Chen, National Institute of Education/Nanyang Technological University	**#05** Exploring Student Perceived Cognitive Load and Satisfaction during Lectures in a Foreign Language Supported by Speech-Enabled Language Translation
Endah Retnowati, Yogyakarta State University	*Rustam Shadiev, Nanjing Normal University*
Slava Kalyuga, The University of New South Wales	

The time slot **13.30-14.50** applies to both sessions above.

	#52 Cognitive Load Associated with Proportional Reasoning in Enquiry-Based Learning: Randomized Control Design Involving Worked Examples *Robert Sieben, Hartley Institute* *Brendan Bentley, The University of Adelaide*	**#26** Interactivity of Instructional Video and Collaboration on Secondary Students' Learning Achievement and Cognitive Load using Digital Game-Based Science Learning *Ching-Huei Chen, Changhua University of Education*
14.50-15.10	**Coffee Break**	
	Conference Room B (2nd Floor)	**Conference Room 2 (3rd Floor)**
15.10-16.30	**Paper Presentation Session 8** **Session Chair:** Bing Ngu **#12** Learning by Tracing - A Verbal Protocol Analysis *Michael Tang and Paul Ginns, The University of Sydney* **#14** Learning about Star Formation by Tracing *Paul Ginns and Victoria King, The University of Sydney* **#22** A Comparison of the Unitary Approach, Unitary-Pictorial Approach, Equation Approach and Equation-Pictorial on Learning Percentage Problems *Bing Ngu and Huy Phan, University of New England*	**Poster Presentation Session** **#09** Self-Managing Cognitive Load by Using Finger Pointing to Enhance Learning *Shirong Zhang and Bjorn B. de Koning, Erasmus University Rotterdam* *Fred Paas, Erasmus University Rotterdam/University of Wollongong* **#19** Measuring Cognitive Load in Simulation Game-Based Learning with Eye-Tracking *Yeon Joo Lee, Jeroen Donkers and Jeroen van Merriënboer, Maastricht University* *Halszka Jarodzka, Open University of Netherlands*

	#29 Impact of the Instructional Design on the Second Law of Thermodynamics Developed According to the Cognitive Load Theory on Effective Learning *Nesli Kala, Kafkas University* *Alipaşa Ayas, Bilkent University*	**#36** Using Electroencephalography to Detect Interactions among Sources of Cognitive Load *Liru Hu, The University of Hong Kong*	
18.00-21.00	**Banquet** The staff will meet you at the lobby area of Jingshi Hotel at 5.00pm *Please contact us if you require additional dinner voucher		

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Day 3: Thursday 6th September	
Time	**Conference Room B (2nd Floor)**
08.30-09.00	**Registration**
09.00-10.40	**Paper Presentation Session 9** **Session Chair:** Wayne Leahy **#18** The Effects and Cognitive Loads for Students with/without Learning Disabilities in Solving Different Word Problem Formats *Shih-Yi Chan, Hsiao-Yuan Cho and Chien-Ho Lin, University of Tainan* **#47** The Optimal Variability Level of Speakers on Learning Specific Foreign-Accented English for EFL Learners *Yuan Gao and Mengrong Liu, Smart Learning Institute of Beijing Normal University* **#07** The Effects of Video Speed on Online Learning: An Eye Movement Study with Online Course in China *Cuiru Wang and Yongbin Hu, Jiangsu Normal University* **#45** Increasing the Effectiveness of English Vocabulary Learning: The Effects of Media on Students' Cognitive Load and Learning Outcome *Yuting Li and Jing Leng, East China Normal University* **#42** Learning with a Digital Textbook: A Comparison between Visually Impaired and Sighted Students *Castillan Laetitia, Camilli Félix and Lemarié Julie, Clle-Ltc* *Ojahid Mustapha, Irit-Elipse*
10.40-11.00	**Closing Ceremony**
11.00-11.30	**Campus Tour**
11.30-13.30	**Lunch Break**