

TALE 2015 December 2015, United International College, Zhuhai, China

Hide Presentations	Table View	Authors
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Session Overview**Date: Thursday, 10/Dec/2015**

9:00am - 9:30am UIC Exhibition Gallery	OP: Opening Ceremony Mistress of Ceremony: Ms. Gigi Chunyan Ji
9:30am - 10:00am Open Area	Photo Taking and Short Break
10:00am - 11:00am UIC Exhibition Gallery	K1: Thursday Keynote Session Chair: Prof. Lilian L. P. Kwan Speaker: Dr. Sorel Reisman Title: Discovering OERs in cOmputER Disciplines
11:00am - 11:15am UIC Exhibition Gallery	MT1: Mixing Session: Interaction and Short Break Informal interaction between speaker and participants
11:15am - 12:15pm UIC Exhibition Gallery	S1A: Session 1A Session Chair: Jeff K.T. Tang Curriculum Design & Generic Skills Lecture Notes on Signal Processing in High Dimensional Space Qun Wan University of Electronic Science and Technology of China, China, People's Republic of A New Challenge for the Training Sector: Further Education for Working on Electric Vehicles Heiko Fechtner¹, Karl-Heinz Saes², Erik Fechtner¹, Benedikt Schmuelling¹ ¹ University of Wuppertal, Germany; ² Technical Inspection Association (TUV), Germany SEE ME: Software Engineering Education Methodology Exploration Xin Feng, Chunyan Ji, Haipeng Guo, Yanyan Ji United International College, China, People's Republic of
11:15am - 12:15pm Room B302	S1B: Session 1B Session Chair: Dickson K.W. Chiu Computer-Based Learning and Courseware Technologies EVOV: An video recommendation system to support sustainable vocabulary learning Yonghe Zhang, Weichen Jia, Chunying Zhu, Ying Song Shenzhen Univerity, China, People's Republic of Improvement of Teaching Quality for Senior Undergraduate Students in Interdisciplinary Courses Jun Li, Wei Ou-Yang, Meisong Tong Tongji University, China, People's Republic of Relationship between student development activities and core generic competencies among tertiary science and technology students Joseph C. H. So¹, S. Y. Lam² ¹ Hong Kong Community College, The Hong Kong Polytechnic University, Hong Kong, HK SAR, China; ² Hong Kong University of Science and Technology, Hong Kong S.A.R. (China) Coaching in Computer-mediated Communication at Workplace Ray Tak-yin Hui Hang Seng Management College, Hong Kong S.A.R. (China)
12:15pm - 1:30pm Cheers Restaurant	L1: Lunch Lunch
1:30pm - 2:30pm Room B302	S2A: Session 2A Session Chair: Kai Pan Mark Online/E-Learning and Blended Learning The Hacked Computer Science Teacher: Lessons from a Failed Flipped Classroom Dave Towey The University of Nottingham Ningbo China, People's Republic of China Does Learning Really Happen in Online Learning? Meisong Tong, Qilin Li Tongji University, China, People's Republic of Chasing Higher Solar Cell Efficiencies: Engaging Students in Learning how Solar Cells are Manufactured Alison Lennon UNSW, Australia

<p>1:30pm - 2:30pm</p> <p>UIC Exhibition Gallery</p>	<p>S2B: Session 2B Session Chair: Tak Yin, Ray Hui Assessment and Evaluation *Best paper award candidate: Jin and Huang, "Developing a Technoself System to Improve Lifelong learning Engagement"</p> <p>Effect of Language Difficulties on Results of Engineering Students Iain M. Skinner, John Steele, Pam Mort UNSW Australia, Australia</p> <hr/> <p>The New Thinking about the Changes of Adult Higher Education under the Life-long Education Idea Feng Yu¹, Xiaobo Yu² ¹hunan university, China, People's Republic of China; ²hunan university, China, People's Republic of China</p> <hr/> <p>A scheme for composite ability evaluations in an engineering introductory seminar course Hehong Fan, Zhifang Dong, Meng Zhang, Lihua Ye, Neng Wan, Qilong Wang Southeast University, China, People's Republic of</p> <hr/> <p>Developing a Technoself System to Improve Lifelong learning Engagement Li Jin, Wei Huang University of Westminster, United Kingdom</p>
<p>2:30pm - 3:00pm</p> <p>UIC Exhibition Gallery</p>	<p>AT1: Afternoon Tea Afternoon Tea</p>
<p>3:00pm - 4:30pm</p> <p>UIC Exhibition Gallery</p>	<p>W1: MathWorks Workshop - Why creating ALGORITHMS will be the 'new literacy' Session Chair: Kai Pan Mark Speaker: Eunju Hwang, MathWorks</p>
<p>4:30pm - 6:00pm</p> <p>UIC Exhibition Gallery</p>	<p>R: Reception Reception</p>

Date: Friday, 11/Dec/2015

9:00am - 10:00am UIC Exhibition Gallery	<p>P: Poster Session Poster Session</p> <p>An Initial Review: Programming Tutoring Tools Rajermani Thinakaran¹, Rosmah Ali² ¹Nilai University, Malaysia; ²Universiti Teknologi Malaysia International Campus</p> <hr/> <p>Dialectical Relationship of Lifelong Learning and Continuing Education Meisong Tong, Pengcheng Wang Tongji University, China, People's Republic of</p> <hr/> <p>ICT Systems for Student Mobility Programs in Tertiary Education Keizo Miyahara, Saeka Toshioka, Sachihiko Kondo Osaka university, Japan</p> <hr/> <p>Use of mobile technology to deliver training in blended learning and independent study formats Mohammed Samaka², Mohamed Ally¹ ¹Athabasca University, Canada; ²Qatar University, Qatar</p> <hr/> <p>Getting Practical with Digital: An Integrated Electronic Design Project for Undergraduates Oliver Faust, M. Shahid Shaikh, Muhammad Shumail, Zeeshan Nafees, Shoaib Zaidi Habib University, Pakistan</p> <hr/> <p>Some notes on the strategic teaching and practicing with CDIO scheme in Engineering course Chun-Che Lee¹, Chun-Te Lee² ¹Department of Chemistry, Simon Fraser University, BC, Canada; ²BNU-HKBU united international college, Guangdong, People's Republic of China</p> <hr/> <p>The architecture of an Information Management System through the cloud computing in accordance with the National Thai Qualifications Framework for Higher Education Thassanee Rodmunkong, Panita Wannapiroon, Prachyanun Nilsook King Mongkut's University of Technology North Bangkok, Thailand</p> <hr/> <p>Creation of Knowledge Portal using latest IT tools and Mobile Content Delivery System Latha Anantharaman CENTRAL LEATHER RESEARCH INSTITUTE, India</p> <hr/> <p>Using Mobile and Flexible Technologies to Enable, Engage and Enhance Learning in Vocational Education and Training (VET) Ricky, Yuk-kwan Ng, Rechell, Yee-Shun Lam Vocational Training Council, Hong Kong S.A.R. (China)</p> <hr/> <p>Work-in-Progress: Using Mobile Technology to Enhance Self-efficacy in Underrepresented Students for Engineering Education Kuosheng Ma¹, Qichang Zheng¹, Yingnan Ma¹, Kai Qian¹, Liang Hong² ¹Kennesaw State Univeristy, United States of America; ²Tennessee State University, United States of America</p> <hr/> <p>Investigating the Effects of Pair-Programming on Students' Behavior in an advanced Computer Programming Course Mamoun I.A. Nawahdah, Dima Taji Birzeit University, Palestinian Territories</p> <hr/> <p>A Comparison of Programming Way: Illustration-based Programming and Text-based Programming Daisuke Saito, Hironori Washizaki, Yoshiaki Fukazawa Waseda University, Japan</p> <hr/> <p>Fostering a Telecommunication Engineering Pipeline: a Curriculum Design Xiaojun Hei, Wenqing Cheng Huazhong University of Science and Technology, China, People's Republic of</p> <hr/> <p>On the Training Method for the Research Ability of Engineering Graduate Students Meisong Tong, Jie Zhang Tongji University, China, People's Republic of</p> <hr/> <p>Engineering Undergraduate Professional Identity Formation: Intentional or Introjected? John R Fagan University of Victoria, Canada</p> <hr/> <p>Research context enhanced learning experience-Reflection from a case study Jiulai Sun¹, Peizhong He¹, Haizhou Shen² ¹School of Medical Imaging, Shanghai University of Medicine and Health Sciences; ²School of Education, Jiangsu University Of Technology</p>
9:00am - 10:00am Room B302	<p>W2: Workshop Session Chair: Chunyan Ji Workshop</p> <p>TUTORIAL – Teaching Software Testing Skills: Metamorphic Testing as Vehicle for Creativity and Effectiveness in Software Testing Dave Towey¹, Tsong Yueh Chen² ¹The University of Nottingham Ningbo China, China, People's Republic of; ²Swinburne University of Technology, Victoria 3122, Australia</p>
10:00am - 10:30am UIC Exhibition Gallery	<p>MT2: Morning Tea Morning Tea</p>
10:30am - 12:00pm	<p>SS1A: Special Session 1A Session Chair: Henry Chan</p>

UIC Exhibition Gallery	<p>Special Track on Computing Education: Semantic methodologies *Best paper award candidate: Jayakodi et al., "An Automatic Classifier for Exam Questions in Engineering: A Process for Bloom's Taxonomy"</p> <p>An Automatic Classifier for Exam Questions in Engineering: A Process for Bloom's Taxonomy Kithsiri Jayakodi, Madhusi Bandara, Indika Perera University of Moratuwa, Sri Lanka</p> <hr/> <p>Comparison for deployment and skill evaluation of the software field Shota Matsuhashi¹, Kuniaki Yajima², Takahiro Yonamine², Jun Sato¹, Yoshihiro Takeichi¹ ¹National Institute of Technology, Tsuruoka College, Japan; ²National Institute of Technology Sendai College, Japan</p>
<p>10:30am - 12:00pm</p> <p>Room B302</p>	<p>SS1B: Special Session 1B Session Chair: Sorel Reisman Special Track on Computing Education: Teaching/Learning methods & technologies</p> <p>Collaboration Leads to Success: A Study of the Effects of Using Pair-Programming Teaching Technique on Student Performance in a Middle Eastern Society Mamoun I.A. Nawahdah¹, Dima Taji¹, Tomoo Inoue² ¹Birzeit University, Palestin; ²University of Tsukuba, Japan</p> <hr/> <p>Use of LEDs as a light receiving component and their application to demonstration experiments for educational purposes Makoto Hasegawa Chitose Institute of Science and Technology, Japan</p> <hr/> <p>Researching and Supporting Student Note-taking: Building a Multimedia Note-taking App Dave Towey¹, David Foster¹, Filippo Gilardi¹, Cecilia Gorla², Paul Martin¹, Andrew White¹ ¹The University of Nottingham Ningbo China, People's Republic of China; ²The University of Nottingham Nottingham, UK</p>
<p>12:00pm - 2:00pm</p> <p>Jing Hua Yuan Hotel - Chinese Restaurant</p>	<p>L2: Lunch Lunch</p>
<p>2:00pm - 3:00pm</p> <p>UIC Exhibition Gallery</p>	<p>K2: Friday Keynote Session Chair: Kai Pan Mark Speaker: Prof. Susan Lord Title: Engineering Education Research and Reflections of an American Teaching Engineering in China</p>
<p>3:00pm - 3:30pm</p> <p>UIC Exhibition Gallery</p>	<p>AT2: Mixing Session: Interaction and Short Break Informal interaction between speaker and participants</p>
<p>3:30pm - 5:00pm</p> <p>UIC Exhibition Gallery</p>	<p>SS2A: Special Session 2A Session Chair: Henry Chan Special Track on Computing Education: Web-based & Mobile Learning</p> <p>Learning System and Analysis of Learning Styles for African and Asian Students Mohammed Hassan¹, Mohamed Hamada² ¹University of Aizu, Japan; ²University of Aizu, Japan</p> <hr/> <p>Learning to Create 3D Models via an Augmented Reality Smartphone Interface Jeff K.T. Tang¹, Tin-Yung Au Duong², Yui-Wang Ng², Hoi-Kit Luk² ¹Caritas Institute of Higher Education, Hong Kong S.A.R. (China); ²The Open University of Hong Kong</p> <hr/> <p>PPeLE: a Photo-Processing e-Learning Environment based on HTML5 Jianing Dai¹, Zheng Zhou², Hao Wang³, Hong-Ning Dai⁴ ¹Guizhou Radio Film and Television School, Guizhou, P. R. China; ²Oregon State University, United States; ³Aalesund University College; ⁴Macau University of Science and Technology, Macau S.A.R. (China)</p> <hr/> <p>Improving undergraduate soft skills using m-learning and serious games Shamus Smith¹, Daniel Hickmott¹, Ross Bille¹, Elizabeth Burd¹, Erica Southgate², Liz Stephens² ¹School of Electrical Engineering and Computer Science, University of Newcastle, Australia; ²School of Education, University of Newcastle, Australia</p>
<p>3:30pm - 5:00pm</p> <p>Room B302</p>	<p>SS2B: Special Session 2B Session Chair: Sorel Reisman Special Track on Computing Education: Adaptive Learning *Best paper award candidate: Wong et al., "School Perceptions of Coding Education in K-12: A Large Scale Quantitative Study to Inform Innovative Practices"</p> <p>Towards Practical Programming Exercises and Automated Assessment in Massive Open Online Courses Thomas Staubitz, Hauke Klement, Jan Renz, Ralf Teusner, Christoph Meinel Hasso Plattner Institute, Germany</p> <hr/> <p>Design of Advanced Active and Autonomous Learning System for Computing Education -A^3 Learning System- Akiko Takahashi, Yasuhiro Kashiwaba, Toshiaki Okumura, Toshihiko Ando, Kuniaki Yajima, Yoshihiro Hayakawa, Motomu Takeshige, Tatsuo Uchida National Institute of Technology, Sendai College, Japan</p> <hr/> <p>Teaching Undergraduate Algorithms with Case Studies and Quizzes in Interactive Tutorials Weidong Huang¹, Jing Luo², Mao Lin Huang³ ¹University of Tasmania, Australia; ²Chongqing Jiaotong University, China; ³University of Technology, Sydney, Australia</p> <hr/> <p>School Perceptions of Coding Education in K-12: A Large Scale Quantitative Study to Inform Innovative Practices Gary K. W. Wong¹, H. Y. Cheung², Edwin C. C. Ching³, John M. H. Huen⁴ ¹The Hong Kong Institute of Education, Hong Kong S.A.R. (China); ²University of Bristol; ³Hong Kong and Macau Lutheran Church Primary School; ⁴Koding Kingdom</p>
<p>5:00pm - 8:30pm</p>	<p>B: Banquet</p>

Date: Saturday, 12/Dec/2015

8:00am - 9:00am	Transportation to Conference Venue Shuttle bus to the UIC New Campus is available for participants from the following locations: UIC Gallery - 08:00am, 08:30am Lobby of Jing Hua Yuan Hotel - 08:15am, 08:45am Return trip will be provided after the lunch.
9:00am - 10:00am New Campus - Room T404	S3A: Session 3A Session Chair: Chun Pong Chan Research Training (Undergraduate and Graduate) Enhancement of Electrical Engineering Education by a Mentoring Scheme Chaomin Luo¹, Xinde Li², Jiawen Wang³ ¹ Department of Electrical and Computer Engineering, University of Detroit Mercy, United States of America; ² School of Automation, Southeast University, China; ³ Department of Education, University of Detroit Mercy, United States of America Education of Practical Engineering Skills aiming for Solving Real Problems related to Local Area Hideaki Katayama, Tomoki Takezawa, Yutaka Tange National Institute of Technology, Maizuru College, Japan Achieving Excellence in Engineering Education through Improved Teaching-Learning Process Selvakumar S¹, Kanchana Rajaram² ¹ National Institute of Technology, Tiruchirappalli, Tamil Nadu, India; ² SSN College of Engineering, Anna University, Chennai, Tamil Nadu, India
9:00am - 10:00am New Campus - Room T405	S3B: Session 3B Session Chair: Gary K. W. Wong Capstone Projects, K-12 Initiatives and Partnerships Teaching Engineering Design in a Four-Course Sequence Kin Fun Li, Fayez Gebali, Michael McGuire University of Victoria, Canada Challenges to Flipped Classroom Adoption in Hong Kong Secondary Schools: Overcoming the First- and Second- Order Barriers to Change Tianchong Wang¹, Dave Towey², Morris S. Y. Jong¹ ¹ The Chinese University of Hong Kong, Hong Kong S.A.R. (China); ² The University of Nottingham Ningbo China, People's Republic of China To Arouse Students' Interest in Learning: Does Inquiry Based Learning Make a Difference Chun Wai Andy Fan University of Macau
10:00am - 10:30am Nature Dreamhouse	MT3: Morning Tea Morning Tea
10:30am - 12:00pm New Campus - Room T404	S4A: Session 4A Session Chair: Chi Un Lei Learning Analytics Advancing MOOC and SPOC Development Via A Learner Decision Journey Analytic Framework Chi-Un Lei, Xiangyu Hou, Tyrone T.O. Kwok, Trudi S.F. Chan, Jane Lee, Elizabeth Oh, Donn Gonda, Yip-Chun Au Yeung, Cherry Lai Technology-Enriched Learning Initiative, University of Hong Kong, Hong Kong S.A.R. (China) Enhancing Educational Data Mining Techniques on Online Educational Resources with A Semi-Supervised Learning Approach Vincent W.L. Tam, Edmund Y.M. Lam, S.T. Fung, Allan Yuen, W.W.T. Fok The University of Hong Kong, Hong Kong S.A.R. (China) Modeling Student Learning Outcomes in MOOCs Shuai Guo, Wenjun Wu Beihang University, China, People's Republic of Teaching Methods of Engineering Practice Course for Senior Undergraduate Students Xinyan Fan, Junhe Zhou, Meisong Tong Tongji University, China, People's Republic of
10:30am - 12:00pm New Campus - Room T405	S4B: Session 4B Session Chair: Dickson K.W. Chiu Educational Policy, Leadership and Administration Cooperative Cultivation Mode for Excellent Engineer Training Program: Exploration and Practice in NJUPT Jianhua Shen, Liang Zhou, Chonghu Cheng, Fei Li, Haitao Zhao Nanjing University of Posts and Telecommunications, China, People's Republic of Embedd "Art" and "Inclusion" into the STEM Education Kam Tim WOQ, Chun Yin Leung The Hong Kong University of Science and Technology, Hong Kong S.A.R. (China) The Brokerage Work of School Technology Coordinators Fang-Ling Lin Lunghwa University of Science and Technology, Taiwan, Republic of China
12:00pm - 2:00pm Zhou Restaurant	L3: Lunch Lunch

2:00pm - 7:30pm**LT: Local Sight Seeing: Cultural Programme (Optional)**

China Travel Service is offering a local tour to TALE 2015 participants at RMB (CNY) 200. The tour includes visit to the following attractions:

- Putuo Temple
- Meixi Archway; and
- Dinner at Dazhaimen Restaurant (Local Cantonese cuisine).

Return transport to your hotel in Zhuhai or Gongbei Immigration Checkpoint will be provided.

Registration can be made through email to the uiccaps@uic.edu.hk before the conference, or on-site at the registration desk before 13:30, Friday 11 Dec 2015. Payment shall be made on-site by cash in RMB (CNY).