



# APPLIED LEARNING CONFERENCE

Perspectives | Pedagogy | Practice

## Day 1 – Thursday, 25 Jan 2018

8.00am – 9.00am	<b>Registration</b> Location: Level 2 Foyer		
9.00am – 9.10am	<b>Welcome Address</b> Professor Tan Thiam Soon President, Singapore Institute of Technology Location: Ballroom		
9.10am – 9.30am	<b>Opening Address</b> Dr. Janil Puthucheary Senior Minister of State, Ministry of Communications and Information and Ministry of Education Location: Ballroom		
9.30am – 10.30am	PLENARY ADDRESS <b>Learning 360</b> Dr. Diana G. Oblinger President Emeritus, EDUCAUSE Location: Ballroom		
10.30am – 11.00am	<b>Tea Break</b>		
11.00am – 11.45am	KEYNOTE ADDRESS <b>The Dual System of Theoretical and Practical Teaching in Higher Education</b> Prof. Dr. Georg Nagler President, Duale Hochschule Baden-Württemberg Mannheim Location: Ballroom		
11.45am – 12.30pm	PANEL DISCUSSION <b>Training for Today: Preparing Work-ready Graduates</b> Dr. Diana G. Oblinger President Emeritus, EDUCAUSE Prof. Dr. Georg Nagler President, Duale Hochschule Baden-Württemberg Mannheim Prof. Tan Thiam Soon President, Singapore Institute of Technology Location: Ballroom		
12.30pm – 2.00pm	<b>Lunch</b>		
2.00pm – 3.30pm	<b>Parallel Session 1</b>		
	<b>University-Industry Collaboration</b> Location: Ballroom North/South	<b>Continuing Education and Training</b> Location: Ballroom East/West	<b>Adaptive Learning / Technology-Enhanced Learning</b> Location: Grand Salon

	<p><b>Applied Learning – An Industry Perspective</b> Dr. Lim Boon Huat Managing Director, Rohde &amp; Schwarz Asia, Singapore</p> <p><b>Dual Studies – Work Study Programme in Accenture, and the Role of Employers</b> Mr. Sam Liew Managing Director, Accenture</p> <p><b>KWSH's Collaboration with SIT</b> Dr. Ow Chee Chung CEO, Kwong Wai Shiu Hospital, Singapore</p>	<p><b>Leave Your Ego at the Jetty: A Case Study of the Continuing Education Partnership Between Outward Bound Singapore and Singapore University of Social Sciences</b> Dr. G. Kaveri Singapore University of Social Sciences (SUSS)</p> <p><b>Organizational Learning Systems for Sustainability</b> Mr. Chinthake Wijesooriya University of Queensland</p> <p><b>Professional Identity, Work Engagement and Organisational Commitment of Polytechnic Educators</b> Dr. David Kwok Republic Polytechnic</p> <p><b>Process Safety Workshop Series for Industry</b> Assoc. Prof. Lim Kok Hwa Singapore Institute of Technology</p>	<p><b>Learning Mathematics Through Technology Enhanced Pedagogy</b> Asst. Prof. Victor Wang Singapore Institute of Technology</p> <p><b>Adaptive Accounting Lessons and Their Use in Introductory Accounting</b> Dr. David Bond University of Technology, Sydney</p> <p><b>Use of Technological Simulations Software Tools to Enhance Learning of Complex Flow Equations Applied in Gas Turbine Engines</b> Ms. Jesline Joy Singapore Institute of Technology</p> <p><b>Chem Quest – An Adaptive Pre-freshman Online Chemistry Course: Lessons Learned</b> Asst. Prof. Cheow Wean Sin Singapore Institute of Technology</p>
3.30pm – 4.00pm	Tea Break		
4.00pm – 5.30pm	<b>Parallel Session 2</b>		
	<p><b>Workforce Competencies</b> Location: Ballroom North/South</p>	<p><b>Inquiry-Based Learning</b> Location: Ballroom East/West</p>	<p><b>Authentic Assessments / Measurement of Learning Outcomes</b> Location: Grand Salon</p>
	<p><b>STEP – A Step Towards Building Professionalised Rail Engineers</b> Ms. Kang Huey Ling Principal / Dean, SMRT Institute, SMRT, Singapore</p> <p><b>From Achieving Competencies to Building Capabilities in Health Profession Education</b> Prof. Lim Shih Hui Group Director of Education, Singapore Health Services</p> <p><b>Technology – Just Cool, or Can it Increase Learning Competencies Too?</b> Assoc. Prof. Erle Lim Associate Provost (Undergraduate Education), National University of Singapore</p>	<p><b>Science Teachers' Classroom Experience of Simulations Implementation: A Study in Singapore Context</b> Dr. Bo Wenjin Vikki Singapore University of Social Sciences</p> <p><b>Augmenting Inquiry Based Learning</b> Assoc. Prof. Mehul Motani National University of Singapore</p> <p><b>In Search of Higher Order Learning – Making the Case for Case Pedagogy and Case Teaching Classrooms</b> Assoc. Prof. Don MacLaurin Singapore Institute of Technology</p> <p><b>The Tinkerers' Toolkit</b> Ms. Tulip Sinha Srishti Institute of Art, Design &amp; Technology</p>	<p><b>Evaluating Learning Venues: The Importance of Soliciting Student Feedback</b> Dr. Tanya MacLaurin University of Guelph, Canada</p> <p><b>Escape Test: A Mix of Fun and Knowledge in Assessment</b> Dr. Lim Kaiyang Singapore Institute of Technology</p> <p><b>Interactive Backchannel System for Students and Academics</b> Asst. Prof. Zhou Junqi Singapore Institute of Technology</p> <p><b>Using Reflective Writing to Enhance Experiential Learning in a Pair Internship Program</b> Assoc. Prof. Oh Lih-Bin National University of Singapore</p>

## Day 2 – Friday, 26 Jan 2018

8.00am – 9.00am	<b>Registration</b> Location: Level 2 Foyer		
9.00am – 9.45am	<b>KEYNOTE ADDRESS</b> <b>Passion Based Learning</b> Prof. Kalevi Ekman Founder, Design Factory, Aalto University Location: Ballroom		
9.45am – 10.30am	<b>PANEL DISCUSSION</b> <b>Embracing The Unknown: Preparing Graduates For Jobs That Don't Exist Yet</b> Prof. Kalevi Ekman Founder, Design Factory, Aalto University Assoc. Prof. Henry C.B. Chan Department of Computing, The Hong Kong Polytechnic University Mr. Eddy Lee Managing Partner, Coffee Venture Location: Ballroom		
10.30am – 11.00am	<b>Tea Break</b>		
11.00am – 12.30pm	<b>Parallel Session 3</b>		
	<b>Preparing for the Future / Authentic Assessment</b> Location: Ballroom	<b>Work-Based Learning</b> Location: Grand Salon	<b>Service Learning / Project-Based Learning</b> Location: Salon 4
	<b>The Workless Future</b> Mr. Eddy Lee Managing Partner, Coffee Venture  <b>Professional Learning and Development in Information Security</b> Dr. Steven Wong President, Association of Information Security Professionals (AISIP)  <b>Enhancing Learning in Science and Engineering Through Authentic Assessments</b> Assoc. Prof. Lakshminarayanan Samavedham Fellow of NUS Teaching Academy, National University of Singapore	<b>Coupling University Education With a Recognised NDT Professional Certification</b> Assoc. Prof. Liew Chin Kian Singapore Institute of Technology  <b>The Relationship Among Off-campus Internship Satisfaction, Incentive System, and Intent-to-stay of Fashion Design Students in Taiwan</b> Mr. Ye Jian-Hong National Taiwan Normal University Ms. Jing-Yun Fan Tainan University of Technology  <b>"Now I Know my ABCD": A Field-based Approach to Learning Asset-based Community Development</b> Ms. Faith Ong Ngee Ann Polytechnic  <b>A Case Study on the Collaborative Teaching Implementation of the Industry Expert in Leather Bag Design Course at University of Technology in Taiwan</b> Ms. Jing-Yun Fan Tainan University of Technology Mr. Ye Jian-Hong National Taiwan Normal University	<b>Experiential Learning from Persons with Disability in the Community</b> Assoc. Prof. May Lim Sok Mui Singapore Institute of Technology  <b>Young Engineer's Space (YES!) To Integrate Learning, Industry and Community</b> Asst. Prof. Cheong Kang Hao Singapore Institute of Technology  <b>Building Knowledge and Skills for School-family- community Partnership Through Service-learning: The Experience of Pre- service Early Childhood Educators</b> Ms. Jean Ong Yin Ning Ngee Ann Polytechnic  <b>Preparing Students for Interpersonal Communication in the Workplace: Project-based Learning through an Interactive Multimodal Learning Environment</b> Mr. Brad Franklin Blackstone Assoc. Prof. Lim Hwee Hoon Singapore Institute of Technology

**Applied Learning Conference Secretariat:**

First Wave Agency  
 Email: [secretariat@alc.sg](mailto:secretariat@alc.sg)

12.30pm – 1.30pm	Lunch		
1.30pm – 2.15pm	<p>KEYNOTE ADDRESS</p> <p><b>CARES Model for Computing Education – “Computing for Application, Research, Entrepreneurship and Service”</b></p> <p>Assoc. Prof. Henry C.B. Chan  Department of Computing, The Hong Kong Polytechnic University  Location: Ballroom</p>		
2.15pm – 3.45pm	<b>Parallel Session 4</b>		
	<p><b>Work-Based Learning</b>  Location: Ballroom</p>	<p><b>Simulation and Technology-Enhanced Learning</b>  Location: Salon 4</p>	<p><b>Design Factory Workshop</b>  Location: Grand Salon</p>
	<p><b>Future Ready the Accounting Students in an Age of Disruption</b>  Mr. Khor Boon Hong  Assurance Partner, Baker Tilly TFW LLP</p> <p><b>Getting Work Ready in the Digital Economy</b>  Ms. Goh Sei Yi  Director, Talent Management, Singtel</p> <p><b>Whatever..... and Getting the Message Across</b>  Mr. David Cheng  Head, Nutrition Innovation Centre, Asia Pacific, DSM</p>	<p><b>Case Study Design for Data Visualization Implementation As Part of Data Analytic Learning Training</b>  Dr. Desi Arisandi  Singapore Institute of Technology</p> <p><b>Interactive Virtual Gas Turbine Engine Education Software Package for Students' Learning</b>  Dr. Ng Tsu Hao  Singapore Institute of Technology</p> <p><b>Enhance Learning of Hazop Using Dynamic Simulation and Edutech Tools</b>  Mr. Cheah Sin Moh  Singapore Polytechnic</p> <p><b>Development of Interactive Visualizations Based Platform for Teaching Vector Calculus to Engineers</b>  Asst. Prof. Neelakantam Venkatarayalu  Singapore Institute of Technology</p>	<p>Conducted by  Prof. Kalevi Ekman  Founder, Design Factory, Aalto University</p>
3.45pm – 4.15pm	Tea Break		
4.15pm – 5.45pm	<b>Parallel Session 5</b>		
	<p><b>Project-Based Learning</b>  Location: Ballroom</p>	<p><b>Interdisciplinary Integration</b>  Location: Salon 4</p>	<p><b>Design Factory Workshop</b>  Location: Grand Salon</p>

**Project-based Learning in an Interprofessional Course on Health Systems: An Increase in Self-sufficiency for Learning and Self-control in Self-directed Learning**

**Readiness**

Assoc. Prof. Alan Wong Wai Pong  
Singapore Institute of Technology

**Learning by Doing: Design and Delivery of Research-led Experiential Learning With Commercial Corporations**

Mrs. Alison Gibb  
University of Glasgow

**Theme-based Small-group Collaborative Learning Approach in Engineering Final-year Projects**

Assoc. Prof. Alfred Tan  
Singapore Institute of Technology

**Use Peer Teaching to Engage Millennial Students: The Case of a Hospitality Business Module at SIT**

Asst. Prof. George Liu Zhaoping  
Singapore Institute of Technology

**Future-ready Graduates: Developing Skills to Face the VUCA World**

Dr. Gregor Lange  
Ms. Crystal Lim  
National University of Singapore

**An Investigation Into the Learning Transfer of English for Specific Academic Purposes (ESAP) Writing Skills of Engineering Students**

Ms. Susan Khoo  
Dr. Hsieh Yi-Chin  
Nanyang Technological University

**Interdisciplinary Student-led Research Presentations and Articles: Let's Talk About [X]**

Dr. Andrew Straun  
University of Glasgow

**Integrated Science Curriculum for Training Future-ready Scientists**

Mr. Andreas Dewanto  
National University of Singapore

Conducted by  
Prof. Kalevi Ekman  
Founder, Design Factory, Aalto University