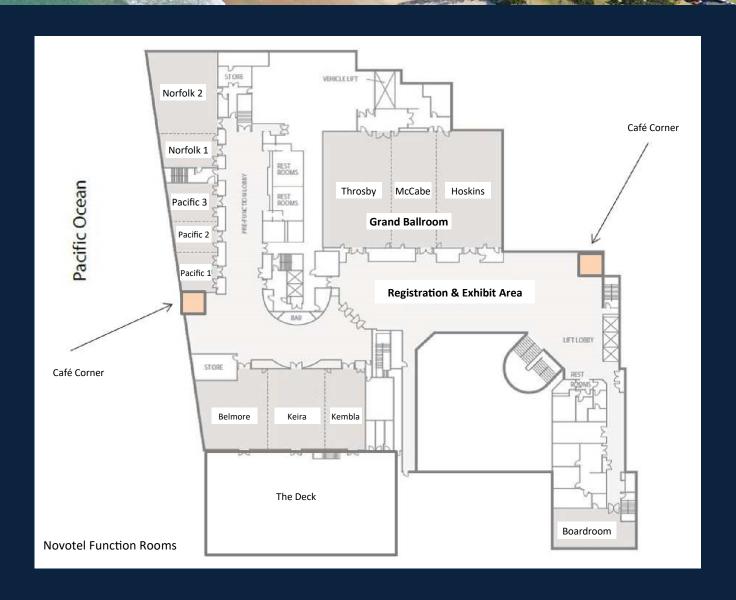


Conference Program



Tuesday, 4 Dec 2018

Day #1: University o	Day #1: University of Wollongong Campus							
11:30—19:30	Registration	UOW Campus - Hope Theatre						
12:00—15:00	Pre-Conference Workshop 1: Patents & IP Law	UOW Campus - Building 17, Room 106						
12:00—15:00	Pre-Conference Workshop 2: Analytics & Student Support	UOW Campus - Building 3, Room 122						
12:00—15:00	Pre-Conference Workshop 3: Remote Labs	UOW Campus - Building 4, Room 122						
12:00—15:00	Pre-Conference Workshop 4 - Chatbot Tutors	UOW Campus - Building 4, Room 123						
12:00—15:00	Pre-Conference Workshop 5: XR & Immersive Learning	UOW Campus - Building 6, Room 210						
16:00—16:45	UOW Campus Tour	Meet at UOW Campus - Building 4 Atrium						
17:00—19:10	Conference Opening with Keynotes by Susan Zhang & Dr Bror Saxberg	UOW Campus - Hope Theatre						
19:10—21:30	Welcome Reception	UOW Campus - UniBar						

Wednesday, 5 Dec 2018

Day #2: Novotel Wol	Day #2: Novotel Wollongong Northbeach						
08:30—17:00	Registration	Registration & Exhibit Area					
09:00—10:10	Opening Session with Keynote by Prof Gregor Kennedy	Grand Ballroom					
10:10—16:30	VR/AR Demo Showcase	Norfolk 1 & 2					
10:10—10:40	Poster Session	Registration & Exhibit Area					
10:30—10:55	Morning Tea	Registration & Exhibit Area					

Throsby (Bal	<u>Throsby (Ballroom 1)</u> : Engineering Education - Full Papers (10min presentations + 3min questions)						
Time	Sub. ID	Contril	oution Title Present	er Family Name / First Name / Presenter Affiliation	Country		
11:00—11:13	244	Enhancing Teaching M	Enhancing Teaching Methods on Embedded Systems with Project-Based Learning				
		Sanfilippo	Filippo	Norwegian University of Science and Technology	Norway		
11:15—11:28	306	Contribution of Learnin	ng, Teaching and Assessr	ment Activities to the Development of 21st Century STEM Competencies			
		Hettling	Laura	Brandenburg University of Technology Cottbus-Senftenberg	Germany		
11:30—11:43	284	The Link between Spat	ial Skills and Engineering	g Problem-Solving			
		Sorby	Sheryl	University of Cincinnati	USA		
11:45—11:58	227	Evaluating Teaching Eff	ectiveness Using Quant	itative Student Feedback			
		Srinivasan	Dipti	National University of Singapore	Singapore		
12:00—12:13	395	Using Problem-Based L	earning to Enable Appli	cation of Foundation Engineering Knowledge in a Real-World Problem			
		Larson	Jean S.	Arizona State University	USA		

McCabe (Ba	McCabe (Ballroom 2): Computing & IT Education - Full Papers (10min presentations + 3min questions)							
Time	Sub. ID	Co	ontribution Title Pres	senter Family Name / First Name / Presenter Affiliation	Country			
11:00—11:13	134	A Quantitative Ap	proach to Design Special	Purpose Systems to Measure Hacking Skills				
		Falah	Ahmed	Deakin University	Australia			
11:15—11:28	138	Educating and Ra	ising Awareness on Cyber	Security Social Engineering: A Literature Review				
		Aldawood	Hussain Ali	University of Newcastle	Australia			
11:30—11:43	359	Approach for Eva	luating IT Employees' Pro	gramming Ability Using the Programed Visual Contents Comparison Method				
		Kiyomitsu	Hidenari	Kobe University	Japan			
11:45—11:58	366	Teaching Hardwa	re Reverse Engineering: E	ducational Guidelines and Practical Insights				
		Becker	Steffen	Ruhr-Universität Bochum	Germany			
12:00—12:13	467	An Essential Appl	ied Statistical Analysis Cou	urse using RStudio with Project-Based Learning for Data Science				
		Gunawan	Aldv	Singapore Management University	Singapore			

Time	Sub. ID	Con	tribution Title Prese	enter Family Name / First Name / Presenter Affiliation	Country
11:00—11:13	125	Application and Eva	aluation of a Grouped Fli	pped Classroom Method	
		Umezawa	Katsuyuki	Shonan Institute of Technology	Japan
1:15—11:28	184	Peer Assisted Study university subjects	Sessions (PASS) Online:	Investigating the impact of an online format across different first year	
		Woolrych	Tracey	University of Wollongong	Australia
1:30—11:43	275	Students Discussing	g Ideas in Online Spaces:	Research-Infused Recommendations for Making Computer-Mediated	
		Discussions Produc	tive for Learning		
		Zengilowski	Allison Nicole	University of Texas at Austin	USA
1:45—11:58	371	Evaluation of Devel	oping Educational Chath	oots Based on The Seven Principles for Good Teaching	
		Luo	Jing	The University of Hong Kong	Hong Kong
2:00—12:13	425	Transferring Human	n Tutor's Style to Pedago	ogical Agent: A Possible Way by Leveraging Variety of Artificial Intelligence	
		Achievements			
		Feng	Xiang	East China Normal University	China

	Sub. ID	contribution ritic	Presenter Family Name / First Name / Presenter Affiliation	Countr
:00—11:13	270	Using Maths Model Method in Solvin	g Pre Algebraic Problems among Year Five Students	
		Binti Ismail Zaleha	Universiti Teknologi Malaysia	Malaysia
:15—11:28	105	Arduino as an Educational Tool to Int	roduce Robotics	•
		Castro Manuel	UNED	Spain
:30—11:43	157		Subject in Primary Schools: Methodological Approach Based on Alternative Coop-	- 1 -
		erative and Individual Learning Cycles		
		Vlahu-Gjorgievska Elena	University of Wollongong	Australia
1:45—11:58	318	Computational Thinking Education fo	r Children: Algorithmic Thinking and Debugging	
		Wong Gary K. W.	The University of Hong Kong	Hong Kong
2:00—12:13	337	Framework of Integrating Algebraic T	hinking in Problem-Based Learning via Online Environment for School Students	
		Binti Ismail Zaleha	Universiti Teknologi Malaysia	Malaysia
acific 1&2 :	XR & Imm	ersive Learning Environments -	Full Papers (10min presentations + 3min questions)	
Time	Sub. ID	Contribution Title F	Presenter Family Name / First Name / Presenter Affiliation	Country
:45—11:58	391	Design and Implementation of an Aug	mented Reality Application with an English Learning Lesson	·
		Liu Enrui	Beijing Normal University	China
::00—12:13	444		ionary with Multiple Design: A Perspective from the Integration of Eye-Tracking	
		Technique and Stimulated Recall		
		Zhai Xuesong {Mi	chael} Beijing Normal University	China
acific 3 : Er	ngineering I	ducation - Full Papers <i>(10min p</i>	oresentations + 3min questions)	
Time	Sub. ID	Contribution Title F	Presenter Family Name / First Name / Presenter Affiliation	Country
:00—11:13	333	Are We Fit to Graduate Creative Profe	ssionals?	
		Belski louri	RMIT	Australia
45 44 30	474			Australia
1:15—11:28	474	Teaching Reform of Engineering Graph Guangzhou, China	nics Education in Terms of Engineering Education Professional Certification in	
		Liu Zhen	South China University of Technology	China
L:30—11:43	486		, .,	
1.30—11.43	400		similation of ITC2 Competencies for Business Engineering Programs	_
		Luna Ana	Universidad del Pacífico	Peru
L:45—11:58	252	A Java Program for Automatic Team A	llocation in Project-Based Coursework	
		Vial Peter James	University of Wollongong	Australia
2:00—12:13	266	Higher Education Practices Accounting	for Gender Differences in Technological Development as Part of SDGs	
		Achievement		
		Hirata Sadayo	Shibaura Institute of Technology	Japan
<u>eira</u> : Indus	stry Sessior			
Time	Sub. ID	Contribution Title F	Presenter Family Name / First Name / Presenter Affiliation	Country
:00—11:40	500	Microsoft HoloLens and Al		
		Townes Megan	Microsoft	Australia
1:40—12:00	505	Enriching Education: Free Classroom C	Computing Education Resources Increase STEM Diversity	
		Haas Damian	Oracle Academy	Australia
	10 .			
<u>elmore</u> : Pa		.		
Time	Sub. ID		Presenter Family Name / First Name / Presenter Affiliation	Country
:00—12:20	500	Panel Session - Providing Automated a	and Individually Tailored Assessment Feedback	
		Cunningham-Nelson Samuel	Queensland University of Technology	Australia
		Mohammadi-Aragh	Mohammadi-Aragh	USA
		Mohammadi-Aragh Jean	Mohammadi-Aragh	
		Goncher Andrea	Charles Sturt University	Australia
		Boles Wageeh	Queensland University of Technology	Australia
gistrati <u>on</u>	and Exhibit	Area and Norfolk Rooms & Wi	ndjammers Restaurant	

Windjammers Restaurant

12:55-13:55

Lunch

Time	Sub. ID	Contribution Title Presenter Family Name / First Name / Presenter Affiliation	Country
:00—14:13	229	Mind the Gap: Insights into Student Perceptions During Peer Assessment of Writing	Country
.00 1.1.20	223	Tan Benjamin The University of Auckland	New Zealand
15—14:28	432	Make Your Own Homework: An Alternative Approach to Assignments in a Flipped Calculus Class	New Zealanu
13 14.20	432	Dawood Rahmad Universitas Syiah Kuala	Indonesia
30—14:43	461	Objective Assessment of Students' Generic Skills	muonesia
30 14.43	401	Yajima Kuniaki National Institute of Technology, Sendai College	Japan
45—14:58	306	An Inter-Disciplinary and University PBL Curriculum Using Robot Challenge	Japan
15 11.50	300	Hisazumi Kenji Kyushu University	Japan
00—15:13	322	Exploring the Impact of In-Class Writing Exercises in an Engineering Course	Japan
20.20	022	Nadeem Muhammad The University of Auckland	New Zealand
:15—15:28	227	Creative Thinking of Engineering Undergraduates through Brainstorming during Mathematical Problem Solving	
		Mohammad Yusof Yudariah Universiti Teknologi Malaysia	Malaysia
		The familiar 14301 Tadaran Since Sal Textiology Malaysia	ividiaysia
cCabe (Ba	llroom 2):	Computing & IT Education - Full Papers (10min presentations + 3min questions)	
Time	Sub. ID	Contribution Title Presenter Family Name / First Name / Presenter Affiliation	Country
00—14:13	467	A Comparison Analysis between Achievement and Requirements for Computing Education	Country
		Kakeshita Tetsuro Saga University	Japan
:15—14:28	347	Skill-Based Group Allocation of Students for Project-Based Learning Courses Using Genetic Algorithm: Weighted	•
		Penalty Model	
		Nand Ravneil The University of the South Pacific	Fiji
:30—14:43	365	Skill-Based Group Allocation of Students for Project-Based Learning Courses Using Genetic Algorithm: Weightless	
		Penalty Model Nand Ravneil The University of the South Pacific	Fiji
45—14:58	384	Effectiveness of Physical Robot Versus Robot Simulator in Teaching Introductory Programming	1 1)1
		Sockalingam Nachamma Singapore University of Technology and Design	Singapore
:00—15:13	130	SplashKit: A Development Framework for Motivating and Engaging Students in Introductory Programming	
		Renzella Jake Deakin University	Australia
:15—15:28	294	Improving outcomes for a Masters Capstone IT Project	
		Izu Cruz The University of Adelaide	Australia
oskins (Bal	<u>lroom 3)</u> :	Technology-Enhanced Learning - Full Papers (10min presentations + 3min questions)	
			Country
Time	Sub. ID 272	Contribution Title Presenter Family Name / First Name / Presenter Affiliation	Country
Time	Sub. ID		Country Japan
Time :00—14:13	Sub. ID	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches	•
Time :00—14:13	Sub. ID 272	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University	•
Time ::00—14:13	Sub. ID 272	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus	Japan France
Time :00—14:13 :15—14:28 :30—14:43	Sub. ID 272 446 194	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University	Japan
Time :00—14:13 :15—14:28 :30—14:43	Sub. ID 272 446	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows	Japan France Philippines
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58	Sub. ID 272 446 194 271	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University	Japan France
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58	Sub. ID 272 446 194	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to	Japan France Philippines
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58	Sub. ID 272 446 194 271	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University	Japan France Philippines
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13	Sub. ID 272 446 194 271	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework	Japan France Philippines Australia
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13	Sub. ID 272 446 194 271 288	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University	Japan France Philippines Australia
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13	Sub. ID 272 446 194 271 288	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universiti Teknologi Malaysia	Japan France Philippines Australia
Time :00-14:13 :15-14:28 :30-14:43 :45-14:58 :00-15:13 :15-15:28	Sub. ID 272 446 194 271 288	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning	Japan France Philippines Australia UK
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13 :15—15:28 :embla : ST Time	Sub. ID 272 446 194 271 288 320 EM Educat Sub. ID	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universiti Teknologi Malaysia Tion (K-12) - Full Papers (10min presentations + 3min questions) Contribution Title Presenter Family Name / First Name / Presenter Affiliation	Japan France Philippines Australia UK Malaysia
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13 :15—15:28 embla: ST Time	Sub. ID 272 446 194 271 288 320 EM Educat	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universiti Teknologi Malaysia Contribution Title Presenter Family Name / First Name / Presenter Affiliation Relationship between Teachers' Self-Efficacy and Instructional Strategies Applied among Secondary School Teachers in	Japan France Philippines Australia UK Malaysia
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13 :15—15:28 embla: ST Time	Sub. ID 272 446 194 271 288 320 EM Educat Sub. ID	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universiti Teknologi Malaysia Contribution Title Presenter Family Name / First Name / Presenter Affiliation Relationship between Teachers' Self-Efficacy and Instructional Strategies Applied among Secondary School Teachers in Implementing STEM Education	Japan France Philippines Australia UK Malaysia Country
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13 :15—15:28	Sub. ID 272 446 194 271 288 320 EM Educat Sub. ID	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universiti Teknologi Malaysia Contribution Title Presenter Family Name / First Name / Presenter Affiliation Relationship between Teachers' Self-Efficacy and Instructional Strategies Applied among Secondary School Teachers in	France Philippines Australia UK
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Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13 :15—15:28 :mbla : ST Time :00—14:13	Sub. ID 272 446 194 271 288 320 EM Educat Sub. ID 374	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universiti Teknologi Malaysia Tion (K-12) - Full Papers (10min presentations + 3min questions) Contribution Title Presenter Family Name / First Name / Presenter Affiliation Relationship between Teachers' Self-Efficacy and Instructional Strategies Applied among Secondary School Teachers in Implementing STEM Education Binti Ismail Zaleha Universiti Teknologi Malaysia Relationships between Collaborative Problem Solving, Learning Performance and Learning Behavior in Science Education Chen Li Kyushu University Cognitive Load Optimisation — A New, Practical, Easy-to-Use Teaching Method for Enhancing STEM Educational	Japan France Philippines Australia UK Malaysia Country Malaysia
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13 :15—15:28 embla: ST Time :00—14:13	Sub. ID 272 446 194 271 288 320 EM Educat Sub. ID 374	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universiti Teknologi Malaysia Ion (K-12) - Full Papers (10min presentations + 3min questions) Contribution Title Presenter Family Name / First Name / Presenter Affiliation Relationship between Teachers' Self-Efficacy and Instructional Strategies Applied among Secondary School Teachers in Implementing STEM Education Binti Ismail Zaleha Universiti Teknologi Malaysia Relationships between Collaborative Problem Solving, Learning Performance and Learning Behavior in Science Education Chen Li Kyushu University Cognitive Load Optimisation — A New, Practical, Easy-to-Use Teaching Method for Enhancing STEM Educational Outcomes Based on the Science of Learning	Japan France Philippines Australia UK Malaysia Country Malaysia
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13 :15—15:28 :mbla : ST Time :00—14:13 :15—14:28	Sub. ID 272 446 194 271 288 320 EM Educat Sub. ID 374 114 212	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universiti Teknologi Malaysia Integrating STEM Education Relationship between Teachers' Self-Efficacy and Instructional Strategies Applied among Secondary School Teachers in Implementing STEM Education Binti Ismail Zaleha Universiti Teknologi Malaysia Relationships between Collaborative Problem Solving, Learning Performance and Learning Behavior in Science Education Chen Li Kyushu University Cognitive Load Optimisation – A New, Practical, Easy-to-Use Teaching Method for Enhancing STEM Educational Outcomes Based on the Science of Learning Maj Stanislaw Paul SPM Consulting	Japan France Philippines Australia UK Malaysia Country Malaysia
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13 :15—15:28 :mbla : ST Time :00—14:13 :15—14:28	Sub. ID 272 446 194 271 288 320 EM Educat Sub. ID 374	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universiti Teknologi Malaysia Ion (K-12) - Full Papers (10min presentations + 3min questions) Contribution Title Presenter Family Name / First Name / Presenter Affiliation Relationship between Teachers' Self-Efficacy and Instructional Strategies Applied among Secondary School Teachers in Implementing STEM Education Binti Ismail Zaleha Universiti Teknologi Malaysia Relationships between Collaborative Problem Solving, Learning Performance and Learning Behavior in Science Education Chen Li Kyushu University Cognitive Load Optimisation — A New, Practical, Easy-to-Use Teaching Method for Enhancing STEM Educational Outcomes Based on the Science of Learning	Japan France Philippines Australia UK Malaysia Country Malaysia Japan Australia
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13 :15—15:28 embla: ST Time :00—14:13	Sub. ID 272 446 194 271 288 320 EM Educat Sub. ID 374 114 212	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universiti Teknologi Malaysia Tontribution Title Presenter Family Name / First Name / Presenter Affiliation Relationship between Teachers' Self-Efficacy and Instructional Strategies Applied among Secondary School Teachers in Implementing STEM Education Binti Ismail Zaleha Universiti Teknologi Malaysia Relationships between Collaborative Problem Solving, Learning Performance and Learning Behavior in Science Education Chen Li Kyushu University Cognitive Load Optimisation — A New, Practical, Easy-to-Use Teaching Method for Enhancing STEM Educational Outcomes Based on the Science of Learning Maj Stanislaw Paul SPM Consulting Playful STEAM Learning Using Robots	Japan France Philippines Australia UK Malaysia Country Malaysia Japan Australia
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13 :15—15:28 :mbla : ST Time :00—14:13 :15—14:28 :30—14:43	Sub. ID 272 446 194 271 288 320 EM Educat Sub. ID 374 114 212 285	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universiti Teknologi Malaysia ion (K-12) - Full Papers (10min presentations + 3min questions) Contribution Title Presenter Family Name / First Name / Presenter Affiliation Relationship between Teachers' Self-Efficacy and Instructional Strategies Applied among Secondary School Teachers in Implementing STEM Education Binti Ismail Zaleha Universiti Teknologi Malaysia Relationships between Collaborative Problem Solving, Learning Performance and Learning Behavior in Science Education Chen Li Kyushu University Cognitive Load Optimisation — A New, Practical, Easy-to-Use Teaching Method for Enhancing STEM Educational Outcomes Based on the Science of Learning Maj Stanislaw Paul SPM Consulting Playful STEAM Learning Using Robots Pandian Shumwugham R. Indian Institute of Information Technology, Design and Manufacturing ICT Competency, Network Interaction, Internet Self-efficacy, and Mathematical Achievement: Direct and Mediating Effects	Japan France Philippines Australia UK Malaysia Country Malaysia Japan Australia India
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13 :15—15:28 :mbla : ST Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13	Sub. ID 272 446 194 271 288 320 EM Educat Sub. ID 374 114 212 285 439	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universit Teknologi Malaysia ION (K-12) - Full Papers (10min presentations + 3min questions) Contribution Title Presenter Family Name / First Name / Presenter Affiliation Relationship between Teachers' Self-Efficacy and Instructional Strategies Applied among Secondary School Teachers in Implementing STEM Education Bint Ismail Zaleha Universiti Teknologi Malaysia Relationships between Collaborative Problem Solving, Learning Performance and Learning Behavior in Science Education Chen Li Kyushu University Cognitive Load Optimisation – A New, Practical, Easy-to-Use Teaching Method for Enhancing STEM Educational Outcomes Based on the Science of Learning Maj Stanislaw Paul SPM Consulting Playful STEAM Learning Using Robots Pandian Shummugham R. Indian Institute of Information Technology, Design and Manufacturing ICT Competency, Network Interaction, Internet Self-efficacy, and Mathematical Achievement: Direct and Mediating Effects Lu Chun Central China Normal University	Japan France Philippines Australia UK Malaysia Country Malaysia Japan Australia
Time :00—14:13 :15—14:28 :30—14:43 :45—14:58 :00—15:13 :15—15:28 embla: ST Time :00—14:13 :15—14:28 :30—14:43	Sub. ID 272 446 194 271 288 320 EM Educat Sub. ID 374 114 212 285	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Technology-Supported Single Training for One-on-One in Basketball Matches Kohda Naoya Tokushima University A Gamification Approach For Serious Games Carron Thibault LIP6, UPMC An Empirical Study on the Impact of Pre-recorded Lectures on Students' Performance in Integral Calculus Fernando Alexa Ray Ronsairo National University Enhanced Student Learning in Proteomics - An Interactive Tool Support for Teaching Workflows Wickramarachchi Anuradha Australian National University Making the Most of Repetitive Mistakes: An Investigation into Heuristics for Selecting and Applying Feedback to Programming Coursework Howell Roger Aston University The Effectiveness of Integrating Geometer's Sketchpad Software in Phase-Based Geometric Learning Mohd Zaid Norasykin Universiti Teknologi Malaysia ion (K-12) - Full Papers (10min presentations + 3min questions) Contribution Title Presenter Family Name / First Name / Presenter Affiliation Relationship between Teachers' Self-Efficacy and Instructional Strategies Applied among Secondary School Teachers in Implementing STEM Education Binti Ismail Zaleha Universiti Teknologi Malaysia Relationships between Collaborative Problem Solving, Learning Performance and Learning Behavior in Science Education Chen Li Kyushu University Cognitive Load Optimisation — A New, Practical, Easy-to-Use Teaching Method for Enhancing STEM Educational Outcomes Based on the Science of Learning Maj Stanislaw Paul SPM Consulting Playful STEAM Learning Using Robots Pandian Shumwugham R. Indian Institute of Information Technology, Design and Manufacturing ICT Competency, Network Interaction, Internet Self-efficacy, and Mathematical Achievement: Direct and Mediating Effects	Japan France Philippines Australia UK Malaysia Country Malaysia Japan Australia India

/IcCabe (Bal	lroom 2):	Big Data, Analytics &	Machine Learning	g in Education and Industry Sessions	
Time	Sub. ID	Contribut	ion Title Presente	r Family Name / First Name / Presenter Affiliation	Country
:00—16:08	245	Artificial Intelligence to E	nhance Learning Desigr	n in UOW Online, a Unified Approach to Fully Online Learning	
		Cao	Trinh	University of Wollongong	Australia
:10—16:18	263	Using Data Mining and M	achine Learning Appro	aches to Observe Technology-Enhanced Learning	
			Sarah Katherine	University of Wollongong	Australia
5:20—16:28	415	<u> </u>		and Video Recordings: A Machine Learning Approach	61
. 20 46 20	44.6	, ,	Mohan	Nanyang Technological University	Singapore
6:30—16:38	416	Hybrid Fuzzy-Statistical Sy Sohail	ystem for Learning Ana Shaleeza	King's Own Institute	Australia
6:40—17:00	506	Turning STEM Grading Int		King's Own institute	Australia
0.40 17.00	300		Arjun	Gradescope by Turnitin	Australia
					7100010110
loskins (Bal	<u>lroom 3)</u> :	Technology-Enhance	d Learning - Short	Papers (6min presentations + 2min questions)	
Time	Sub. ID	Contribut	tion Title Presente	r Family Name / First Name / Presenter Affiliation	Country
5:00—16:08	436		Thinking Skill with the	120-Minute Instructional Station Rotation (MRSP120) Approach:	
		Students' Perceptions	Norsadin	Haiversiti Taknalagi Malaysia	Malaysia
5:10—16:18	150		Norasykin	Universiti Teknologi Malaysia	Malaysia
0.10—10.16	150		Siamak	ing and Strategy Teaching App Flinders Univesity	Australia
5:20—16:28	225			s Domain ICT Talent in Digital Economy	Australia
10.20			Hsin-jung	Institute for Information Industry	Taiwan
6:30—16:38	273			se of Learning Modules, Instantaneous Feedback and Automated	
20.00		Marking	5. 1. 1. 1	5 - 1.1. 2-y	
			Prapa	University of Nottingham Ningbo China	China
6:40—16:53	329	Improving Feedback and	Discussion in MOOC Pe	eer Assessment using Introduced Peers - Full Paper (10min pres +3min)	
			Dilrukshi	University of Moratuwa	Sri Lanka
<u>embla</u> : ST	EM Educat	ion (K-12) - Short Pap	ers (6min present	ations + 2min questions)	
Time	Sub. ID	Contribut	tion Title Presente	r Family Name / First Name / Presenter Affiliation	Country
6:00—16:08	268	Supporting Physics Teach	ers to Deliver the New	High School Certificate Syllabus: What are the Priorities?	
			Lorna Elaine	University of Wollongong	Australia
6:10—16:18	390	Teaching Mathematics w	•		
	40.4		Tara Julia	Macquarie University	Australia
6:20—16:28	424		3	Gamification, and Social Context in STEM Education	Thailand
6:30—16:38	428	Pataranutaporn	Pat	King Mongkut's University of Technology Thonburi n in Biology, Engineering and Design	mananu
.0.30—10.36	420	Subsoontorn	Pakpoom	Naresuan University	Thailand
6:40—16:48	477	Preparing Australian High	•	•	mananu
10.40	477	Shields	Rebecca	Central Queensland University	Australia
6:50—16:58	319			on Malaysian School Students' Interest in STEM	Additional
			Norasykin	Universiti Teknologi Malaysia	Malaysia
			<u> </u>		<u>, </u>
acific 1 & 2	: XR & Im	mersive Learning Env	ironments - Short	Papers (6min presentations + 2min questions)	
Time	Sub. ID	Contribut	tion Title Presente	r Family Name / First Name / Presenter Affiliation	Country
6:00—16:19	419	Scaling Immersive Learnin	ng Technology at TAFE	NSW (VET Practitioner 15min presentation + 4min questions)	
		Dean	David	TAFE NSW	Australia
6:20—16:28	421	Evaluating Alternative Inp	out Techniques for Build	ding and Construction VR Training	
		Dean	David	TAFE NSW	Australia
6:30—16:38	292	Augmented Reality Exper	riences in Informal Educ	cation	
			Mark Eugene	Drexel University	USA
	458		_	ies to Train Automotive Technicians	
6:40—16·48	.50		Maureen	San Diego State University	USA
6:40—16:48		Nymer	iviaul CCII		JJA
	204	Ammakaking Antonia 1.15	Objects Co. Co. L	Learning (Full paper 10min presentation + 3min questions)	
	381	_	-		
	381	_	Objects for Co-located Martin	The University of Melbourne	Australia
6:50—17:05		Reinoso	-		Australia
5:50—17:05		Reinoso	Martin	The University of Melbourne	
6:50—17:05 Pacific 3 : In Time	dustry Ses	Reinoso	Martin	The University of Melbourne Family Name / First Name / Presenter Affiliation	
6:40—16:48 6:50—17:05 Pacific 3: In Time 6:00—16:40	dustry Sess	Reinoso Contribut Seamless, Intelligent Med	Martin	The University of Melbourne Family Name / First Name / Presenter Affiliation	
6:50—17:05 Pacific 3 : In Time	dustry Sess	Reinoso Contribut Seamless, Intelligent Med Kuttner	Martin ion Title Presenter thatronics Innovation P	The University of Melbourne r Family Name / First Name / Presenter Affiliation latform	Country

Keira: Panel Session						
Sub. ID	Contrib	ution Title Present	er Family Name / First Name / Presenter Affiliation	Country		
	Panel Session - Learning	g Technology Standards	5			
	Wait	Lisa	eWorks	Australia		
	Chadwick	Ben	Education Services Australia	Australia		
	Saliah-Hassane	Hamadou	TÉLUQ University	Canada		
	Jon	Mason	Charles Darwin University	Australia		
		Sub. ID Contribution Panel Session - Learning Wait Chadwick Saliah-Hassane	Sub. ID Contribution Title Present Panel Session - Learning Technology Standards Wait Lisa Chadwick Ben Saliah-Hassane Hamadou	Sub. ID Contribution Title Presenter Family Name / First Name / Presenter Affiliation Panel Session - Learning Technology Standards Wait Lisa eWorks Chadwick Ben Education Services Australia Saliah-Hassane Hamadou TÉLUQ University		

<u>beimore</u> : Pa	inei Sessio	n					
Time	Sub. ID	Contrib	Contribution Title Presenter Family Name / First Name / Presenter Affiliation				
16:00—17:20		Women in Engineering	Networking Panel				
		Chakraborty	Sudipta	Macquarie University	Australia		
		Ros	Montserrat	University of Wollongong	Australia		
		Cheng	Eva	University of Technology, Sydney	Australia		
		Goncher	Andrea	Charles Sturt University	Australia		
		Vial	Alanna	University of Wollongong	Australia		

Lagoon Seafood Restaurant

18:00-22:00 3-5min walk from conference hotel **Gala Dinner**

Thursday, 6 Dec 2018

Chang

Maneeratana

10:30-10:43

269

Day #3: Novotel Wollongong Northbeach

08:30-16:30 Registration Registration & Exhibit Area

Pei-Hua

Kuntinee

<u>Throsby (Ballroom 1)</u>: Engineering Education - Full Papers (10min presentations + 3min questions) Sub. ID Contribution Title | Presenter Family Name / First Name / Presenter Affiliation Time Country 9:30-9:43 251 Theory And Practice In A Systems Integration Project Life Cycle Wolff Karin South Africa University of Stellenbosch 9:45-9:58 470 Exploring Approaches for Teaching and Learning Engineering Asset Management Courses University of Wollongong in Dubai UAE Complete Flipping of a Large Advanced Analytical Course: Engaging Students as Partners 10:00-10:13 183 Thite Swapneel **UNSW Sydney** Sydney 10:15-10:28 161 A Study on The Process and Effect of Using Cooperative Learning Approach into Electronics Lecture Taiwan

Kun Shan University

Chulalongkorn University

Thailand

Copyright Awareness and Video Assignment: A Case Study on Thai First-Year Engineering Students

McCabe (Ba	McCabe (Ballroom 2): Computing & IT Education - Full Papers (10min presentations + 3min questions)								
Time	Sub. ID	Contril	bution Title Presen	ter Family Name / First Name / Presenter Affiliation	Country				
9:30—9:43	131	Verifying User Concen	tration Based on Brain	wave Control Applied to Different Game Training Methods					
		Liu	Chui Yuan	Institute for Information Industry	Taiwan				
9:45—9:58	172	Framework to Enhanc	e Teaching and Learnin	g in System Analysis and Unified Modelling Language					
		Muñoz Carpio	Juan Carlos	Central Queensland University	Australia				
10:00—10:13	185	International Compari	son of College-Level Co	mputing Education					
		Kakeshita	Tetsuro	Saga University	Japan				
10:15—10:28	213	Redesigning a Compul	sory Computing Interns	ship Course for Massification					
		Chng	Sue Inn	Sunway University	Malaysia				
10:30—10:43	344	Developing a Languag	e Learning Application	OER					
		Towey	Dave	University of Nottingham Ningbo China	China				

	Sub. ID	Contribution	Title Presenter	Family Name / First Name / Presenter Affilia	ition	Country
30-9:43		Applied Learning Through Indu	ustry Lab In A Cour	se On RF Engineering & EMC		
		Venkatarayalu Neel	lakantam	Singapore Institute of Technology		Singapore
45—9:58		Pedagogy for the Practising Er	ngineer: A Closed Lo	oop Feedback Control Analogy to Teaching and Lea	rning	
		McLauchlan Craig	3	University of Wollongong		Australia
:00—10:13		Understanding Common Stude	ent Mistakes in the	Remote Laboratory NetLab		
		Considine Hugh	h	University of South Australia		Australia
):15—10:28		Smart Learning in the Pacific: I	Design of New Ped	agogical Tools		
		Nand Ravn	neil	The University of the South Pacific		Fiji
0:30—10:43		Evaluation of Automatic Collal	borative Learning P	rocess Coding Using Deep Learning Methods		
		Shibata Chih	iro	Tokyo University of Technology		Japan
eira : One	n Flevible	Worknlace Learning - F	ull Paners /10r	nin presentations + 3min questions)		
						Country
Time	Sub. ID		•	Family Name / First Name / Presenter Affilia	itton	Country
30—9:43	345	Learning Management System				
		Sabharwal Renu		Central Queensland University		Australia
45—9:58	293	Student Collegiality in Interdis				
		Mitric Dam		La Trobe University		Australia
0:00—10:13	405	•		bility of Students in Navigation Course of Educatio	nal Technology	
		Wu Yong	ş he	East China Normal University		China
0:15—10:28	348	Transnational Interactive Blen	ded Learning: A Lea	arning Community of Practice		
		Wang Minj	uan	San Diego State University		USA
elmore : Si	pecial & Inc	ustry Sessions				
Time	Sub. ID		Title Presenter	Family Name / First Name / Presenter Affilia	tion	Country
30—10:10	478	Designing Virtual Learning Exp	•			,
.50 10.10	170	Dongas Robe	_	The University of Sydney		Australia
0:10—10:30	506	Festo/LabVolt Electromechani				7.1000.0110
		Lewis Mart	•	Duff and Macintosh-Festo LabVolt		Australia
<u> Boardroom</u> :	By Invitat	on Only				
Time	Sub. ID	Contribution •	Title Presenter	Family Name / First Name / Presenter Affilia	tion	Country
:30—10:45	N/A	TALE Steering Committee Mee	eting			R10
.50 10.75						
	& Exhibit A	rea				
Registration 0:45—11:15	& Exhibit <i>F</i>	rea Morning Tea		Registration	& Exhibit Area	
Registration 0:45—11:15		Morning Tea	Short Papers <i>(6</i>	Registration min presentations + 2min questions) & i		
Registration 0:45—11:15		Morning Tea Engineering Education - S			Industry Session	Country
Registration 0:45—11:15 hrosby (Bal	<u>lroom 1)</u> :	Morning Tea Engineering Education - S	Title Presenter	min presentations + 2min questions) & I	Industry Session	Country
Registration 0:45—11:15 Throsby (Bal	Iroom 1) :	Morning Tea Engineering Education - S Contribution Systems Intelligence: A Core C	Title Presenter	min presentations + 2min questions) & I	Industry Session	Country
Registration 0:45—11:15 Chrosby (Bal Time 1:20—11:28	Iroom 1) :	Morning Tea Engineering Education - S Contribution Systems Intelligence: A Core C	Title Presenter Competence for Ne	min presentations + 2min questions) & I Family Name / First Name / Presenter Affilia xt- Generation Engineers? Aalto University	Industry Session	·
Registration 0:45—11:15 Chrosby (Bal	Iroom 1) : Sub. ID 132	Morning Tea Engineering Education - S Contribution Systems Intelligence: A Core C Hämäläinen Rain Academic Expectations for En	Title Presenter Competence for Ne	min presentations + 2min questions) & I Family Name / First Name / Presenter Affilia xt- Generation Engineers? Aalto University n: Gender Differences	Industry Session	Finland
Time 1:20—11:38	Iroom 1) : Sub. ID 132	Morning Tea Engineering Education - S Contribution Systems Intelligence: A Core C Hämäläinen Rain Academic Expectations for En	Title Presenter Competence for Ne no Pertti ngineering Freshme a M.	min presentations + 2min questions) & Family Name / First Name / Presenter Affiliate. Alto University Gender Differences University of Minho	Industry Session	·
D:45—11:15 hrosby (Bal Time 1:20—11:28 1:30—11:38	Iroom 1): Sub. ID 132 182	Morning Tea Engineering Education - S Contribution Systems Intelligence: A Core C Hämäläinen Rain Academic Expectations for En Vasconcelos Rosa Active Interdisciplinary Learni	Title Presenter Competence for Ne mo Pertti agineering Freshme a M. ing in a Design Thin	min presentations + 2min questions) & I Family Name / First Name / Presenter Affilia xt- Generation Engineers? Aalto University n: Gender Differences University of Minho king Course: Going to Class for a Reason	Industry Session	Finland Portugal
Registration 0:45—11:15 Throsby (Bal Time 1:20—11:28 1:30—11:38 1:40—11:48	Iroom 1): Sub. ID 132 182 370	Contribution Systems Intelligence: A Core C Hämäläinen Rain Academic Expectations for En Vasconcelos Rosa Active Interdisciplinary Learni Gillet Den	Title Presenter Competence for Ne mo Pertti ngineering Freshme a M. ing in a Design Thin	min presentations + 2min questions) & I Family Name / First Name / Presenter Affilia Act- Generation Engineers? Aalto University The Gender Differences University of Minho Ring Course: Going to Class for a Reason Cole Polytechnique Fédérale de Lausanne	Industry Session	Finland
Time 1:20—11:38 1:40—11:48	Iroom 1): Sub. ID 132 182	Contribution Systems Intelligence: A Core C Hämäläinen Rain Academic Expectations for En Vasconcelos Rosa Active Interdisciplinary Learni Gillet Den Facilitating the Development	Title Presenter Competence for Ne mo Pertti agineering Freshme a M. ing in a Design Thin is of Humor in Electri	min presentations + 2min questions) & Family Name / First Name / Presenter Affiliated Generation Engineers? Aalto University 11: Gender Differences University of Minho 12: King Course: Going to Class for a Reason 13: Cole Polytechnique Fédérale de Lausanne 14: Cole Engineering Students	Industry Session	Finland Portugal Switzerland
Time 1:20—11:48 1:50—11:58	Sub. ID 132 182 370 168	Contribution Systems Intelligence: A Core of Hämäläinen Rain Academic Expectations for En Vasconcelos Rosa Active Interdisciplinary Learni Gillet Den Facilitating the Development O'Shea Pete	Title Presenter Competence for Ne mo Pertti ngineering Freshme a M. ing in a Design Thin is of Humor in Electri	Family Name / First Name / Presenter Affiliants - Generation Engineers? Aalto University The Gender Differences University of Minho Ring Course: Going to Class for a Reason Cole Polytechnique Fédérale de Lausanne Cal Engineering Students The University of Queensland	Industry Session	Finland Portugal
Time 1:20—11:48 1:50—11:58	Iroom 1): Sub. ID 132 182 370	Contribution Systems Intelligence: A Core Contribution Systems Intelligence: A Core Contribution Contribution Systems Intelligence: A Core Contribution Rain Academic Expectations for En Vasconcelos Rosa Active Interdisciplinary Learni Gillet Den Facilitating the Development O'Shea Pete Context and Input Evaluations	Title Presenter Competence for Ne mo Pertti agineering Freshme a M. ing in a Design Thin is of Humor in Electri er s of Physical Fitness	min presentations + 2min questions) & Family Name / First Name / Presenter Affiliant - Generation Engineers? Aalto University 1. Gender Differences University of Minho 1. King Course: Going to Class for a Reason 1. Cole Polytechnique Fédérale de Lausanne 1. Cole Engineering Students The University of Queensland 1. Training Programs in Maritime Schools	Industry Session	Finland Portugal Switzerland Australia
Registration 0:45—11:15 Chrosby (Bal Time 1:20—11:28	Sub. ID 132 182 370 168	Contribution Systems Intelligence: A Core Contribution Systems Intelligence: A Core Contribution Contribution Systems Intelligence: A Core Contribution Rain Academic Expectations for En Vasconcelos Rosa Active Interdisciplinary Learni Gillet Den Facilitating the Development O'Shea Pete Context and Input Evaluations	Title Presenter Competence for Ne mo Pertti ngineering Freshme a M. ing in a Design Thin nis of Humor in Electri er s of Physical Fitness alin Duller	Family Name / First Name / Presenter Affiliants - Generation Engineers? Aalto University The Gender Differences University of Minho Iking Course: Going to Class for a Reason Cole Polytechnique Fédérale de Lausanne Cal Engineering Students The University of Queensland Training Programs in Maritime Schools Maritime Academy of Asia and the Pacific	Industry Session	Finland Portugal Switzerland

Time	Sub. ID	Contribution Title Presenter Family Name / First Name / Presenter Affiliation	Country
1:20—11:28	127	How We Face Globalization of Chinese Education	
		Zhao Liang Shenyang Aerospace University	China
1:30—11:38	309	Active Learning to Develop Key Research Skills in Master's Level Computer Science Coursework	
1.40 11.40	401	Carlson Trevor E. National University of Singapore	Singapore
1:40—11:48	401	Teaching Key Machine Learning Principles Using Anti-Learning Datasets Roadknight Chris University of Nottingham Ningbo China	China
11:50—11:58	430	A Proposal for Integrating Gamification into Task-Oriented Portfolio Assessment	Cillia
11.50	430	Renzella Jake Deakin University	Australia
loskins (Ral	Iroom 3) ·	Technology-Enhanced Learning - Short Papers (6min presentations + 2min questions) & Industr	ry Session
Time	Sub. ID	Contribution Title Presenter Family Name / First Name / Presenter Affiliation	Country
1:20—11:28	256	Knowledge Sharing in Digital Learning Communities: A Comparative Review of Issues between Education and Industry	
		Jackson Timothy Michael University of Wollongong	Australia
1:30—11:38	343	Adopting Good-Learners' Paths in an Intelligent Tutoring System	
		Meliana Selly Telkom University	Indonesia
1:40—11:48	160	Smart Phone Endowed Intelligent Teaching for University General Education Curriculum in China	
-		Liu Zhen South China University of Technology	China
1:50—11:58	186	Using Trello to Support Agile and Learning with Scrum and Kanban in Teacher Professional Development	
		Inkila Milla The Mind Lab	New Zealand
.2:00—12:08	149	TSP: Truthful Grading-Based Strategyproof Peer Selection for MOOCs	
		Wang Yufeng Nanjing University of Posts and Telecommunications	China
2:10—12:30	503	Enhancing Digital Learning in Engineering, Solved	
		Sofios Haritos Smart Sparrow	Australia
Kembla : XF	R & Immers	sive Learning Environments - Short Papers (6min presentations + 2min questions) & Industry Seconds (1997) Contribution Title Presenter Family Name / First Name / Presenter Affiliation	
Time			
Time	Sub. ID	Contribution Title Presenter Family Name / First Name / Presenter Affiliation	
Time 1:20—11:28	Sub. ID	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach	Country
Time 1:20—11:28	Sub. ID 103	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong	Country
Time 1:20—11:28 1:30—11:38	Sub. ID 103	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment)	Country Hong Kong
Time 1:20—11:28 1:30—11:38	Sub. ID 103 249	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin	Country Hong Kong
Time 1:20—11:28 1:30—11:38 1:40—11:48	Sub. ID 103 249	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering	Country Hong Kong Ireland
	Sub. ID 103 249 258	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology	Country Hong Kong Ireland
Time .1:20—11:28 .1:30—11:38 .1:40—11:48 .1:50—11:58	Sub. ID 103 249 258	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology Why Don't You Evacuate Speedily? Augmented Reality-Based Evacuae Visualisation in ICT-based Evacuation Drill	Country Hong Kong Ireland New Zealand
Time 1:20—11:28 1:30—11:38 1:40—11:48 1:50—11:58	Sub. ID 103 249 258 362	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology Why Don't You Evacuate Speedily? Augmented Reality-Based Evacuee Visualisation in ICT-based Evacuation Drill Mitsuhara Hiroyuki Tokushima University	Country Hong Kong Ireland New Zealand
Time .1:20—11:28 .1:30—11:38 .1:40—11:48 .1:50—11:58	Sub. ID 103 249 258 362	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology Why Don't You Evacuate Speedily? Augmented Reality-Based Evacuee Visualisation in ICT-based Evacuation Drill Mitsuhara Hiroyuki Tokushima University An Evaluation of Nursing Student Motivation to Learn through Holographic Mixed Reality Simulation Hauze Sean San Diego State University Seeking the Treasures of Theoretical Computer Science Education: Towards Educational Virtual Reality for the	Country Hong Kong Ireland New Zealand Japan
Time 1:20—11:28 1:30—11:38 1:40—11:48 1:50—11:58 2:00—12:08	Sub. ID 103 249 258 362 452	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology Why Don't You Evacuate Speedily? Augmented Reality-Based Evacuae Visualisation in ICT-based Evacuation Drill Mitsuhara Hiroyuki Tokushima University An Evaluation of Nursing Student Motivation to Learn through Holographic Mixed Reality Simulation Hauze Sean San Diego State University Seeking the Treasures of Theoretical Computer Science Education: Towards Educational Virtual Reality for the Visualization of Finite State Machines	Country Hong Kong Ireland New Zealand Japan USA
Time .1:20—11:28 .1:30—11:38 .1:40—11:48 .1:50—11:58 .2:00—12:08	Sub. ID 103 249 258 362 452 481	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology Why Don't You Evacuate Speedily? Augmented Reality-Based Evacuae Visualisation in ICT-based Evacuation Drill Mitsuhara Hiroyuki Tokushima University An Evaluation of Nursing Student Motivation to Learn through Holographic Mixed Reality Simulation Hauze Sean San Diego State University Seeking the Treasures of Theoretical Computer Science Education: Towards Educational Virtual Reality for the Visualization of Finite State Machines Dengel Andreas University of Passau	Country Hong Kong Ireland New Zealand Japan
Time .1:20—11:28 .1:30—11:38 .1:40—11:48 .1:50—11:58 .2:00—12:08	Sub. ID 103 249 258 362 452	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology Why Don't You Evacuate Speedily? Augmented Reality-Based Evacuae Visualisation in ICT-based Evacuation Drill Mitsuhara Hiroyuki Tokushima University An Evaluation of Nursing Student Motivation to Learn through Holographic Mixed Reality Simulation Hauze Sean San Diego State University Seeking the Treasures of Theoretical Computer Science Education: Towards Educational Virtual Reality for the Visualization of Finite State Machines Dengel Andreas University of Passau The Potential of Augmented Reality for Computer Science Education (Full paper 10min presentation + 3min questions)	Country Hong Kong Ireland New Zealand Japan USA Germany
Time 1:20—11:28 1:30—11:38 1:40—11:48 1:50—11:58 2:00—12:08 2:10—12:18	Sub. ID 103 249 258 362 452 481	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology Why Don't You Evacuate Speedily? Augmented Reality-Based Evacuae Visualisation in ICT-based Evacuation Drill Mitsuhara Hiroyuki Tokushima University An Evaluation of Nursing Student Motivation to Learn through Holographic Mixed Reality Simulation Hauze Sean San Diego State University Seeking the Treasures of Theoretical Computer Science Education: Towards Educational Virtual Reality for the Visualization of Finite State Machines Dengel Andreas University of Passau	Country Hong Kong Ireland New Zealand Japan USA
Time 1:20—11:28 1:30—11:38 1:40—11:48 1:50—11:58 2:00—12:08 2:10—12:18	Sub. ID 103 249 258 362 452 481	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology Why Don't You Evacuate Speedily? Augmented Reality-Based Evacuae Visualisation in ICT-based Evacuation Drill Mitsuhara Hiroyuki Tokushima University An Evaluation of Nursing Student Motivation to Learn through Holographic Mixed Reality Simulation Hauze Sean San Diego State University Seeking the Treasures of Theoretical Computer Science Education: Towards Educational Virtual Reality for the Visualization of Finite State Machines Dengel Andreas University of Passau The Potential of Augmented Reality for Computer Science Education (Full paper 10min presentation + 3min questions) Resnyansky Dmitry University of South Australia	Country Hong Kong Ireland New Zealand Japan USA Germany
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Time .1:20—11:28 .1:30—11:38 .1:40—11:48 .1:50—11:58 .2:00—12:08 .2:10—12:18 .2:20—12:33 .2:20—12:33 .2:20—12:33	Sub. ID 103 249 258 362 452 481 327 stry Session Sub. ID	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology Why Don't You Evacuate Speedily? Augmented Reality-Based Evacuee Visualisation in ICT-based Evacuation Drill Mitsuhara Hiroyuki Tokushima University An Evaluation of Nursing Student Motivation to Learn through Holographic Mixed Reality Simulation Hauze Sean San Diego State University Seeking the Treasures of Theoretical Computer Science Education: Towards Educational Virtual Reality for the Visualization of Finite State Machines Dengel Andreas University of Passau The Potential of Augmented Reality for Computer Science Education (Full paper 10min presentation + 3min questions) Resnyansky Dmitry University of South Australia	Country Hong Kong Ireland New Zealand Japan USA Germany Australia
Time .1:20—11:28 .1:30—11:38 .1:40—11:48 .1:50—11:58 .2:00—12:08 .2:10—12:18 .2:20—12:33	Sub. ID 103 249 258 362 452 481 327	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology Why Don't You Evacuate Speedily? Augmented Reality-Based Evacuae Visualisation in ICT-based Evacuation Drill Mitsuhara Hiroyuki Tokushima University An Evaluation of Nursing Student Motivation to Learn through Holographic Mixed Reality Simulation Hauze Sean San Diego State University Seeking the Treasures of Theoretical Computer Science Education: Towards Educational Virtual Reality for the Visualization of Finite State Machines Dengel Andreas University of Passau The Potential of Augmented Reality for Computer Science Education (Full paper 10min presentation + 3min questions) Resnyansky Dmitry University of South Australia	Country Hong Kong Ireland New Zealand Japan USA Germany Australia
Time .1:20—11:28 .1:30—11:38 .1:40—11:48 .1:50—11:58 .2:00—12:08 .2:10—12:18 .2:20—12:33 .2:20—12:33 .2:20—12:33	Sub. ID 103 249 258 362 452 481 327 stry Session Sub. ID	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology Why Don't You Evacuate Speedily? Augmented Reality-Based Evacuee Visualisation in ICT-based Evacuation Drill Mitsuhara Hiroyuki Tokushima University An Evaluation of Nursing Student Motivation to Learn through Holographic Mixed Reality Simulation Hauze Sean San Diego State University Seeking the Treasures of Theoretical Computer Science Education: Towards Educational Virtual Reality for the Visualization of Finite State Machines Dengel Andreas University of Passau The Potential of Augmented Reality for Computer Science Education (Full paper 10min presentation + 3min questions) Resnyansky Dmitry University of South Australia	Country Hong Kong Ireland New Zealand Japan USA Germany Australia
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Time 1:20—11:28 1:30—11:38 1:40—11:48 1:50—11:58 2:00—12:08 2:10—12:18 2:20—12:33 (eira: Indu Time 1:20—12:00	Sub. ID 103 249 258 362 452 481 327 stry Session Sub. ID 514	Contribution Title Presenter Family Name / First Name / Presenter Affiliation Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach Im Siu Wo Tarloff City University of Hong Kong AHA: ADHD Augmented (Learning Environment) Hasegawa Tomonori University College Dublin Extending a Virtual Reality Nasal Cavity Education Tool with Volume Rendering Marks Stefan Auckland University of Technology Why Don't You Evacuate Speedily? Augmented Reality-Based Evacuee Visualisation in ICT-based Evacuation Drill Mitsuhara Hiroyuki Tokushima University An Evaluation of Nursing Student Motivation to Learn through Holographic Mixed Reality Simulation Hauze Sean San Diego State University Seeking the Treasures of Theoretical Computer Science Education: Towards Educational Virtual Reality for the Visualization of Finite State Machines Dengel Andreas University of Passau The Potential of Augmented Reality for Computer Science Education (Full paper 10min presentation + 3min questions) Resnyansky Dmitry University of South Australia	Country Hong Kong Ireland New Zealand Japan USA Germany Australia Country
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Boardroom:	Special Se	ession (Part 1)			
Time	Sub. ID	Contrib	oution Title Present	ter Family Name / First Name / Presenter Affiliation	Country
11:20—12:40	226	Enhancing Class Intera	ctivity—Teaching and L	earning Professional Development Session (Part 1)	
		Dean	Bonnie Amelia	University of Wollongong	Australia

Windjammers Restaurant

12:30—13:35 Lunch Windjammers Restaurant

Throsby (Bal	<u>lroom 1)</u> :	Engineering Educat	ion - Short Papers	(6min presentations + 2min questions)	
Time	Sub. ID	Contrib	ution Title Present	er Family Name / First Name / Presenter Affiliation	Country
13:40—13:48	307	Praxis-Oriented Teachin	ng of Project Managem	ent Skills for STEM Students in Higher Education	
		Rich	Beatrice M.	Brandenburg University of Technology	Germany
13:50—13:58	308	Preparing STEM Studer	nts for Leading Positions	s through Supervising Younger Students	
		Worlitz	Jane	Brandenburg University of Technology	Germany
14:00—14:08	340	'Learning 4.0': A Conce	ptual Discussion		
		Klopp	Marco	Aschaffenburg University of Applied Sciences	Germany
14:10—14:18	193	Development of a Real- Ship Handling Exercise	-Time Evaluation Suppo	rt System Using Physiological Index: Case Study of a Simulator-Based	
		Murai	Koji	Tokyo University of Marine Science and Technology	Japan
14:20—14:28	400	The Impact of Final Ter	m Exam Exemption Poli	cy: Case Study at MAAP	
		David	Lawrence C. G.	Maritime Academy of Asia and the Pacific	Philippines
14:30—14:38	377	A Preliminary Study of Engineering Course	the Implementation of	Concept Maps for Teaching and Learning Strategies in a Power	
		Aziz	Anees Binti Abdul	Universiti Teknologi MARA	Malaysia
14:40—14:48	392	Empowering Weak Eng Weak Students	ineering Students throu	ugh My UiTM Engineer Program and Understanding the Characteristics of	
		Hussin	Hanim	Universiti Teknologi MARA	Malaysia
14:50—14:58	179	Multidisciplinary Stude	nt Performance-Based	Teaching Design for Engineering Design via a Commercial Case	
		Liu	Zhen	South China University of Technology	China

Time	Sub. ID	Contri	bution Title Present	ter Family Name / First Name / Presenter Affiliation	Country
13:40—13:48	472	Engineering Students	at Day Zero: Selection a	nd Concerns by Gender	
		Nikolic	Sasha	University of Wollongong	Australia
13:50—13:58	143	Towards a Holistic App	proach to Improve the R	etention Rate of Freshmen in Engineering	
		Abid	Muhammad Irfan	Riphah International University, Faisalabad	Pakistan
14:00—14:08	278	Readiness of Japanese	Elementary School Tea	chers to Begin Computer-Programming Education	
		Ohashi	Yutaro	Nippon Institute of Technology	Japan
14:10—14:18	397	The Beneficial Effects Servant Leadership Pr		erated Engineering Education Outreach Program: A Case Study of the	
		Jung	Eunju	Korea University	South Korea

Hoskins (Bal	<u>lroom 3)</u> :	Technology-Enhance	ced Learning - Sho	ort Papers (6min presentations + 2min questions)	
Time	Sub. ID	Contrib	oution Title Present	ter Family Name / First Name / Presenter Affiliation	Country
13:40—13:48	376	A Blended Learning Ap	proach to Experiential S	STEM Education for Young Learners	
		Ng	David C	Shantou University	China
13:50—13:58	410	Quality Assurance of a	Hybrid Online Course t	hrough Iterative Process Control	
		Wan	Han	Beihang University	China
14:00—14:08	426	Teaching Students abo	ut Machine Learning th	rough a Gamified Approach	
		Rattadilok	Prapa	University of Nottingham Ningbo China	China
14:10—14:18	459	Towards Smart Educat	ional Recommendation	s with Reinforcement Learning in Classroom	
		Hei	Xiaojun	Huazhong University of Science and Technology	China
14:20—14:28	330	Blended Learning for the	ne Indo-Pacific		
		Worthington	Tom	Australian National University	Australia
14:30—14:38	351	The Use of Multiple-Ch	noice Questions in 3rd-\	Year Electronic Engineering Assessment: A Case Study	
		Bremner	Duncan James	University of Glasgow	UK
14:40—14:48	433	International Experien	ces and the Implication	s for the Success of Engineering Programs	
		Vasconcelos	Rosa M.	University of Minho	Portugal

Time	Sub. ID	Contr	ribution Title Preser	nter Family Name / First Name / Presenter Affiliation	Country
3:40—13:48 133		Designing Immersive Mobile Mixed Reality for Paramedic Education			
		Cochrane	Thomas Donald	Auckland University of Technology	New Zealand
3:50—13:58	180	Embedding Mixed Re	eality in Humanitarian Lo	ogistics Gaming	
		William	Linda	National University of Singapore	Singapore
:00—14:08	368	A Novel Augmented	Reality Guidance System	n for Future Informatization Experimental Teaching	
		Cao	Yanpeng	Southeast University	China
:10—14:18	373	An Experimental Res	earch of Augmented Rea	ality Technology From the Perspective of Mobile Learning	
		Cai	Wu	South China Normal University	China
:20—14:28	451	Design and Practice	of Exploratory Virtual Ex	periment in Physics Discipline	
		Yu	Shufan	Central China Normal University	China
:30—14:38	497	Integrating an Intellig	gent Tutoring System wi	th a Dialogue Manager for Procedural Training in a 2D/3D Virtual	
		Paladines	José	Universidad Estatal del Sur de Manabí	Ecuador
:40—14:48	480	Examining the Impac	ct of Pedagogical Agents	on Students Learning Expirience in Virtual Worlds	
		Nikolic	Sasha	University of Wollongong	Australia

<u>Keira</u> : Ope	n, Flexible	& Workplace Learn	ing - Short Papers	(6min presentations + 2min questions)			
Time	Sub. ID	Contrib	ution Title Present	er Family Name / First Name / Presenter Affiliation	Country		
13:40—13:48	147	47 Characterizing Concept Conveying in Interactions between MOOC Students and Assistants					
		Wu	Xiao-Xiao	Central China Normal University	China		
13:50—13:58	454	Harnessing OERs in Ho	ng Kong Technical and \	vocational Education and Training (TVET)			
		Towey	Dave	University of Nottingham Ningbo China	China		
14:00—14:08	471	Open-Space Teaching a	and Learning in Tertiary	Education: A Case Study			
		Ramezanianpour	Mohammad	Ara Institute of Canterbury	New Zealand		
14:10—14:18	488	EntreCompOnto: An Or	ntology for Semantic Re	epresentation of Entrepreneurship Competencies			
		Tovar	Edmundo	Universidad Politécnica de Madrid	Spain		
14:20—14:28	463	Surviving in the Gig Eco	onomy: Change of STEM	1 Students' Perceptions on the Generic Skills for the Workplace			
		Mark	Kai Pan	The Hong Kong Polytechnic University	Hong Kong		

Time	Sub. ID	Cont	tribution Title Prese	nter Family Name / First Name / Presenter Affiliation	Country
13:40—15:00	490	Online Laboratories	in Engineering Educatio	n: Innovation, Disruption, and Future Potential	
		Saliah-Hassane	Hamadou	TÉLUQ University	Canada
13:40—15:00	201	PILAR: A Federation	of VISIR Remote Labora	story Systems for Educational Open Activities	
		Loro	Felix Garcia	UNED, Spain	Spain
<u>soardroom</u>	: Special S	ession (Part 2)			
Time	Sub. ID	Con	tribution Title Prese	enter Family Name / First Name / Presenter Affiliation	Country
13:40—15:00	226	Enhancing Class Int	eractivity— Teaching an	d Learning Professional Development Session (Part 2)	
		Dean	Bonnie Amelia	University of Wollongong	Australia
Registration	2 Evhibit	Aroo			
Registration	& EXIIIDIL /	Area			
15:00—15:30	•	Afternoon Tea		Registration & Exhibit	Area
Grand Ballro	om				
15:34—16:20		Keynote by Emeritu	ıs Professor James Tre	evelyan Grand Ballroom	
		Awards and Closing	_	Grand Ballroom	

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Post-Conference Drinks

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17:00-18:00

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Special Sessions, Panels & Workshops Chair

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The Deck

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Olaf Hallan Graven, University College of Southeast Norway
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Indian Subcontinent – K. R. V. "Raja" Subramanian, Myanmar Institute of Information Technology, Myanmar and International Institute of Information Technology, Bangalore, India

Southeast Asia – Ford Lumban Gaol, BINUS University, Indonesia

Oceania - Demetrios G. Sampson, University of Piraeus, Greece and Curtin University, Australia; David Tien, Charles Sturt University, Australia

Special Track Chairs

Special Track on Engineering of Technologies for Learning – Mark J. W. Lee, Charles Sturt University, Australia; Edilson Arenas, Central Queensland University, Australia; Leon C. U. Lei, The University of Hong Kong

Special Track on X-Reality and Immersive Learning Environments – Jonathon Richter, Salish Kootenai College, USA; Minjuan Wang, San Diego State University, USA; Nian -Shing Chen, National Sun Yet-sen University, Taiwan; Mark J. W. Lee, Charles Sturt University, Australia

Special Track on Big Data, Analytics and Machine Learning in Education - Abelardo Pardo, University of South Australia; Vitomir Kovanović, University of South Australia

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