

Time	Day 2 Wednesday, 15th November 2017					Universiti Teknologi Malaysia, Kuala Lumpur
Venue	Manhattan I Conference/ Breakout 1	Bronx V Breakout 2	Bronx VI Breakout 3	Bronx III Breakout 4	Manhattan VII & VIII Breakout 5	
Special Session	SS 8 Initiating and Sustaining Transformations and Change in Engineering Education	SS 9 Women in Engineering	SS 10 The Potential of Emerging Technologies in Engineering Education	SS 11 Effective Learning in Engineering Education	SS 12 University-Industry Collaboration	
Session Chair	Assoc. Prof. Dr. Syamsul Rizal Abdul Shukor	Assoc. Prof. Ashley Ater Kranov	Prof. Dr. Maria Teresa Restivo	Dr. M. Tazli Azizan	Prof. Dr. Uriel Ruben Cukierman	
08:30 - 10:00	<p>Prof. Dr. Anette Kolmos <i>Director, UNESCO Centre for Problem-Based Learning in Engineering Science and Sustainability, Aalborg University</i></p> <p>Prof. Dr. Emanuella Tilley <i>Head of Integrated Engineering Program, University College London</i></p> <p>Prof. Dr. Julia Williams <i>Interim Dean, Cross-Cutting Programs and Emerging Opportunities, Rose-Hulman Institute of Technology</i></p>	<p>Assoc. Prof. Ashley Ater Kranov <i>School of Electrical Engineering and Computer Science, Washington State University</i></p> <p>Ms. Zahra Atiq <i>School of Engineering, Purdue University</i></p> <p>Ms. Sharifah Zaida Nurlisha Syed Ibrahim <i>General Manager, MMC Oil & Gas Engineering Sdn. Bhd.</i></p>	<p>Prof. Dr. James Wolfer <i>Indiana University South Bend</i></p> <p>Prof. Dr. Paulo Menezes <i>University of Coimbra</i></p> <p>Prof. Dr. Maria Teresa Restivo <i>International Society for Engineering Education (IGIP), University of Porto</i></p>	<p>Dr. M. Tazli Azizan <i>Head, Center for Teaching & Learning (CETaL), Universiti Teknologi PETRONAS (UTP)</i></p> <p>Prof. Dr. Stephanie Farrell <i>Chair, Experiential Engineering Education, Rowan University</i></p> <p>Prof. Dr. Jennifer Turns <i>Professor, Department of Human Centered Design & Engineering, University of Washington</i></p>	<p>Dr. Nor Azmi Alias <i>Senior Vice President, Research Management, Collaborative Research in Engineering, Science & Technology (CREST)</i></p> <p>Mr. Ken Dunstan <i>Education and Channel Business Manager, MathWorks Asia Pacific</i></p> <p>Assoc. Prof. Dr. Arham Bin Abdullah <i>Director, Industrial Relations Division Ministry of Higher Education (MOHE)</i></p>	
10:00 - 10:30	Coffee Break					
10:30 - 11:30	<p>Plenary Forum 1 Preparing Graduates for the 4th Industrial Revolution Chairperson: Prof. Dr. Rose Alinda Alias</p> <p>Dr. Norman L Fortenberry <i>Executive Director, American Society for Engineering Education (ASEE)</i></p> <p>Datuk Ir (Dr.) Abdul Rahim Hj Hashim <i>Vice Chancellor, Universiti Teknologi PETRONAS (UTP)</i></p> <p>Mr. Xavier Fouger <i>Senior Director, Global Academia Programs, Dassault Systèmes SE</i></p> <p>Dr. Martin Dougiamas <i>Founder and CEO, Moodle Pty Ltd</i></p>					
11:30 - 13:00	Parallel Session 6	Parallel Session 7	Parallel Session 8	Parallel Session 9	Parallel Session 10	
11:30 - 11:45	Effectiveness of Teaching Research Nexus to Enhance Students' Learnings <i>Faisal Ahammed</i>	The Concepts, Strategies And Application Of STEAM Education In Korea <i>Jung Hoon Choi</i>	Big Data Analytics Labs in the Cloud Spaces for Teamwork <i>Miguel Nuñez del Prado</i>	Overcoming Pitfalls in Doctoral Thesis Proposal in Technical Education: A case study in UTHM <i>Chee Sern Lai</i>	Strategic Partnership with Industry to Strengthen Core Competency in Electronics – Need, Opportunities, Challenges & Success Stories <i>Sagar Juneja</i>	
11:45 - 12:00	Assessment of Global Competency in Engineering Students in a Multicultural and Multidisciplinary Project Based Learning Course <i>Sayoko Oda</i>	International Profile of a Global Engineer <i>Ramiro Jordan</i>	Visualization of 3D Support System for Civil Engineering students <i>ChengYee Ng</i>	Interaction Design Evaluation and Improvements of Cozora – A Synchronous and Asynchronous Online Learning Application <i>Puti Fitri Larasati</i>	The PERSEUS Project to Promote Excellence in Aerospace Education <i>Maria Angeles Martin Prats</i>	
12:00 - 12:15	Development of a List of Can-do Statements for Global Communication in Engineering and its Applications <i>Atsuko K. Yamazaki</i>	Investigating Students' Metacognitive Skills While Working on Information Systems Development Projects <i>Harry B. Santoso</i>	E-assessment and Tailored Feedback – Are They Contributing to the Effectiveness of Chemical Engineering Education? <i>Jarka Glassey</i>	Temporal Learning Type Analysis Based on Triple-Factor Approach <i>Kusuma Ayu Laksitowening</i>	Innovative Projects Method Application In Engineering Education <i>Anatoly Vladimirovich Kozlov</i>	
12:15 - 12:30	Are we there yet? A Case Study of Industry-University Collaboration on Communicative Competence for Sustainable Employability and Work Readiness <i>Ena Bhattacharyya</i>	A "Mobile First" learning platform to improve preparedness for post-secondary STEM programs <i>Tom Lee</i>	Matrix Factorization for Predicting Student Performance <i>Randhir Rawatlal</i>	Learning of Software Engineering on Collaborative Virtual Environments <i>Nicolás Battaglia</i>	The Role of International Administration [IA] in a Globally Engaged University <i>Timothy Todd Diemer</i>	
12:30 - 12:45	Engineering Learning Community Introduction to Research (ELCIR) for Freshmen Low-Income Students – A Synergistic Partnership with Mexico's Higher Education Institutions <i>Sonia Jacqueline Garcia</i>	Development of an Online, Strategy-based Intervention to Improve Spatial Skills <i>Stephanie Farrell</i>	Evaluating Student Project in a Human-Computer Interaction Course: Collaborative Learning Behavior and Performance Perspectives <i>Zahra Sharfina</i>	Students' Perception on Assessment for Learning in Outcome-Based Education Curriculum: A Case Study in the Optical Communication Course <i>Makhfudzah Mokhtar</i>	Important Soft Skills to be Integrated in the Teaching of Technical Courses: Views of Lecturers Versus Students <i>Hairuzila Idrus</i>	
12:45 - 13:00	Exploring Virtual Reality for Developing Soft-Skills in STEM Education <i>Mesut Akdere</i>	The Transition from Professional Engineering Practice to Academic Practice: A Case Study <i>Abel Nyamapfene</i>	Public Speaking for Engineering Students in a Blended Learning Environment <i>Ainol Haryati Ibrahim</i>	A Hybrid Student-Centered Learning Instructional Approaches for a Lecture Based Engineering Class <i>Dereje Engida Woldemichael</i>	A Project Based Learning In International Collaboration With Students, Inhabitants and Local Professionals <i>Shin-ya Nishimura</i>	
13:00 - 14:00	Lunch					
Special Sessions & Workshops	SS 13 Discipline-Based Engineering and Science Education Community	Workshop 5 Industrie 4.0	Workshop 6 Innovation with TRIZ	Workshop 7 Knowledge Discovery Made Accessible? An Interactive Session for Data Mining Student Research	Workshop 8 Acquiring the 21st Century Competencies through Design Based Learning in Engineering Education	
Session Chair	Dr. Norman L Fortenberry Assoc. Prof. Dr. Fallin Aliah Phang Dr. Norman L Fortenberry <i>Executive Director, American Society for Engineering Education (ASEE)</i>	Mr. Vincent Lim <i>School of Engineering, Republic Polytechnic</i>	Mr. Tan Eng Hoo <i>Vice President, Malaysia TRIZ Innovation Association (MyTRIZ)</i>	Prof. Dr. Randhir Rawatlal <i>Deputy Dean of Engineering Research, University of KwaZulu-Natal</i> Prof. Dr. Victor Borden <i>Project Director, Carnegie Classification of Institutions of Higher Education, Indiana University Bloomington</i>	Dr. Siva Chandrasekaran <i>Swinburne University of Technology</i> Assoc. Prof. Dr. Aman Maung Than Oo <i>Deputy Head, School of Engineering, Deakin University</i> Prof. Dr. Alex Stojcevski <i>Dean, Software and Electrical Engineering, Swinburne University of Technology</i>	
14:00 - 15:30						
15:30 - 17:00	IFEES General Assembly (Members Only)					
16:30 - 18:00	Poster Presentation Session 2 & Global Student Forum Poster Presentation					
20:30 - 23:30	IFEES Duncan Fraser Award Dinner (by invitation only)					

A s i a T e c h n o l o g i c a R l o u n d i v a e r l s e i t F o r N u e m t w o r k (A T U)