


Time	Day 1 Tuesday, 14th November 2017				
Venue	Manhattan I Conference/ Breakout 1	Bronx V Breakout 2	Bronx VI Breakout 3	Bronx III Breakout 4	Manhattan VII & VIII Breakout 5
Special Sessions	SS 1 Intergenerational Panel (SPEED)	SS 2 STEAM Education: Developing the Talent Pipeline	SS 3 Quality Assessment	SS 4 Entrepreneurship in Engineering Education	SS 5 Morning Symposium
08:30 - 10:00	Ms. Avneet Hira <i>President, Student Platform for Engineering Education Development (SPEED)</i>	Dr. Corrienna binti Abdul Talib Prof. Dr. Edward Reeve <i>President, International Technology and Engineering Educators Association (ITEEA)</i> Asst. Prof. Dr. Tiomyod Pasawano <i>Assistant Dean, Faculty of Technical Education, Rajamangala University of Technology Thanyaburi</i> Dr. Nor Azmi Alias <i>Senior Vice President, Research Management, Collaborative Research in Engineering, Science & Technology (CREST)</i>	Prof. Dr. Salmiah Kasolang Prof. Dr. Julia Williams <i>Interim Dean, Cross-Cutting Programs and Emerging Opportunities, Rose-Hulman Institute of Technology</i> Assoc. Prof. Dr. Nazihah Ahmad Azli <i>Deputy Dean, Office of Undergraduate Studies, Universiti Teknologi Malaysia</i>	Prof. Dr. Ramiro Jordan Mr. Paul Gilbert <i>CEO, Quanser Consulting Inc.</i> Prof. Dr. Ramiro Jordan <i>Assoc. Dean of Engineering for International Programs, Department of Electrical and Computer Engineering, University of New Mexico</i> Prof. Dr. Kamariah Ismail <i>Director, Universiti Teknologi Malaysia Technology Entrepreneurship Centre (UTMTEC)</i>	Dr. Mohd Fadzil Daud Dr. Azmahani Abdul Aziz Dr. Yuan Si <i>Vice Chairperson of Tsinghua University Council</i> Mr. V. Sundaramoorthy <i>Founder and Director, M-Tutor</i>
10:00 - 10:15	Coffee Break				
10:15-10:30	IFEES President Opening Address Industrie 4.0 and the Impact on Education Prof. Dr. Michael Auer <i>President of International Federation of Engineering Education Societies (IFEES)</i>				
10:30 - 11:30	Keynote Session 1 Developing Future Human Capital in Emerging Economies for Industrie 4.0 Chairperson: Prof. Dr. Mohamed Ibrahim Abdul Mutalib Prof. Emeritus Tan Sri Dr. Zakri Abdul Hamid- <i>Science Advisor, Prime Minister's Office & Joint Chairman, Malaysia Industry-Government for High Technology (MIGHT)</i>				
11:30 - 13:00	Parallel Session 1	Parallel Session 2	Parallel Session 3	Parallel Session 4	Parallel Session 5
11:30 - 11:45	Exploring Intersections of Global Grand Challenges and Sustainable Development Goals <i>Christina White</i>	A Model of Engineering Education for Innovation <i>Wisuit Sunthonkanokpong</i>	Analysis and Development Instructional Design on Moodle Learning Management System in a Flipped Classroom <i>Endang Panny Wahyuningrum</i>	Problem-Based Implementation of Social Integration and Regionalization in Universities <i>German Arturo Urrego-Giraldo</i>	Engineering Students' Job Performance Prediction Model based on Adversity Quotient and Career Interest <i>Ming Foong Lee</i>
11:45 - 12:00	Promoting Synergies Between Sustainable Development Principles And Engineering Education <i>Rudi Kimmie</i>	Beyond ePortfolios: Creating, Exploiting, and Archiving Activities, Learning Outcomes, and Learning Analytics as Personal Shareable Online Spaces <i>Denis Gillet</i>	Virtual Reality Technology Application in Stage Design of University Musical Production <i>Chin-Li Liu</i>	Towards an Efficient iCGPA System using IOBE <i>Zulfaa Mohamed-Kassim</i>	Development of Engineering Education Program for Students before Starting Graduation Researches on Forefront Technologies <i>Kazaki Yamagiwa</i>
12:00 - 12:15	Development of a Masters Level Unit of Study in Safety Systems and Risk Analysis <i>Rodney J Fiford</i>	Promoting Second Language Learning and Intercultural Communication between Engineering and Liberal Arts Tertiary Education Students <i>Nik Aloesnita Nik Mohd Alwi</i>	The Needs of Collaborative Tool for Practicing Pair Programming in Educational Setting <i>N.F.M. Azmin</i>	The Role of Structured Academic Visit in Enhancing Experiential Learning for Coastal Engineering Courses <i>Ahmad Mustafa Hashim</i>	Basic Mode and Reform Strategy of University-Industry Collaborative Education for Made in China 2025 <i>Landi Wu</i>
12:15 - 12:30	Instilling the 4Cs of 21st century skills through integrated project via Cooperative Problem Based Learning (CPBL) for Chemical Engineering Students <i>Nurhayati Mellon</i>	Implementation of Bonus Credits as a motivational tool in Engineering students <i>Gustavo Gabriel Maigua</i>	Young women who choose IT. What role do their families play? <i>Oksana Zhirosh</i>	Learning Efficiency and Effectiveness of Using MATLAB GUI for a Binary Baseband Communication System <i>Pompimon Chayratsami</i>	Bridging the Gap between IT Graduates Profiles and Job Requirements: A Work in Progress <i>Panca O. Hadi Putra</i>
12:30 - 12:45	Industrial Revolution and the future of Engineering: Could Robots Replace Human Jobs? How Ethical Recommendations can Help Engineers Rule On Artificial Intelligence <i>Tania Cristina Dagostini Bueno</i>	Success Factors for Sustainable Industry-University Cooperative Education; Based on the Case Study of Dongguk University <i>Dae-Woon Lim</i>	Employing Multi-Sensors to Implement Real-Time Neurofeedback System for Improving Performance of STEM Curriculum <i>Yu-Cheng Chien</i>	Dilemmas in the Design of Reflection Activities <i>Jennifer Anne Turns</i>	Framework of Experiential Learning to Enhance Students' Skills <i>Fadi Ghemri</i>
12:45 - 13:00	IUCEE- EPICS Initiative: An Example of Doing Engineering at HITAM <i>Azeem Unnisa</i>	Development and Implementation of Software for the Follow-up of the Strategic Plan in Regional Engineering Faculties <i>Gustavo Gabriel Maigua</i>			Producing a vocational curriculum in the field of computer science: sociological survey of official curriculum at Qatar University <i>Veillard Laurent</i>
13:00 - 14:00	Lunch Symposium From Digitization of Industry to Digitization of Engineering Education Moderator: Dr. Mohd Fadzil Daud  Mr. Xavier Fouger <i>Senior Director, Global Academia Programs, Dassault Systèmes SE</i>				
Special Sessions & Workshops	SS 6 Exploring Grand Challenges & UN Sustainable Development Goals Alignment as Global Engineers	Workshop 1 Developing Integrated STEM Education Activities	Workshop 2 Evaluation of Online Experimentation – * (limited to 20 participants)	Workshop 3 Complex Problem Solving: Supporting Students Systematically Using Cooperative Problem Based Learning (CPBL)	Workshop 4 Entrepreneurship in Action - Beyond Technology Development and Entrepreneurship 101
Session Chair	Dr. Christina White Dr. Christina White <i>Former Director, Grand Challenges Scholars Program, University of Texas</i> Dr. Renetta Tull <i>Associate Vice Provost for Graduate Student Development and Postdoctoral Affairs, University of Maryland, USA</i> Dr. Yevgeniya Zastavker <i>Associate Professor of Physics, Franklin W. Olin College of Engineering</i>	Prof. Dr. Edward Reeve - <i>President, International Technology and Engineering Educators Association (ITEEA)</i>	Prof. Dr. Maria Teresa Restivo <i>International Society for Engineering Education (IGIP), University of Porto</i> Prof. Diana Urbano <i>Faculty of Engineering, University of Porto</i>	Prof. Dr. Khairiyah Mohd Yusof <i>Director, Centre for Engineering Education (CEE), Universiti Teknologi Malaysia</i> Dr. Syed Ahmad Helmi Syed Hassan <i>Centre for Engineering Education (CEE), Universiti Teknologi Malaysia</i>	Ms. Eileen Webb <i>President, Accreditation Preparation</i>
Special Sessions & Workshops	SS 7 Career Promotion Pathways in Academia				
Session Chair	Assoc. Prof. Dr. Nazihah Ahmad Azli				
15:30 - 17:00	Prof. Dr. Rose Alinda Alias <i>Faculty of Computing, Universiti Teknologi Malaysia</i> Dr. Rhys Morgan <i>Director of Engineering and Education, Royal Academy of Engineering</i> Dr. Kimberly Burdett <i>Faculty Education Manager, UNSW, Sydney</i>				
15:30 - 18:00	Poster Presentation Session 1				
15:45 - 16:30	IFEES Executive Committee Meeting I (Members Only)				
16:40 - 17:45	IFEES President's Round Table (Invitation Only)				
20:30 - 23:30	WEF 2017 Dinner Keynote Session 2 Transforming and Sustaining Change in Higher Education for Industrie 4.0 Chairperson: Prof. Dr. Zainuddin Abdul Manan Prof. Dr. Anette Kolmos <i>Director, UNESCO Centre for Problem-Based Learning in Engineering Science and Sustainability, Aalborg University</i> Keynote Session 3 Harnessing Emerging Technologies for Learning and Teaching in Higher Education Chairperson: Prof. Dr. Zainuddin Abdul Manan Dr. Martin Dougiamas <i>Founder and CEO, Moodle Pty Ltd</i>				