

ERDT / AESEAP / ICSEE JOINT CONFERENCE 2017

DAY 1: OCTOBER 18, 2017

7:30	8:30	Registration
8:30	8:35	Invocation and Philippine National Anthem
8:35	8:40	Welcome Message Fr. Dionisio Miranda, SVD, SThD <i>President, University of San Carlos</i>
8:40	8:45	Welcome Address Dr. Rizalinda de Leon <i>Dean, College of Engineering, University of the Philippines Diliman Program Leader, Engineering Research & Development for Technology (ERDT)</i>
8:45	9:05	Message Hon. Fortunato dela Peña <i>Secretary, Department of Science and Technology</i>
9:05	9:35	Plenary Talk: Latest R&D of Heat Pump Technologies Prof. Kiyoshi Saito <i>Department of Applied Mechanics and Aerospace Engineering School of Fundamental Science and Engineering, Waseda University</i>
9:35	10:05	Plenary Talk: Dawn of the Age of Giant Batteries: Energy Storage for Renewable Energy Integration Prof. Joey D. Ocon <i>Department of Chemical Engineering College of Engineering, University of the Philippines Diliman</i>
10:05	10:10	Cutting of Ribbon for Poster Presentation
10:10	10:25	Morning Break
10:25	10:55	Plenary Talk: Sorting Out the Garbage Crisis: Issues and Challenges Prof. Maria Antonia N. Tanchuling <i>Institute of Civil Engineering, University of the Philippines Diliman</i>
10:55	11:25	Plenary Talk: Importance of Wind Tunnel Testing for Atmospheric Environments in Southeast Asia Prof. Nobumasa Sekishita <i>Department of Mechanical Engineering, Toyokashi University of Technology</i>
11:25	11:55	Plenary Talk: Taking Advantage of 'More than Moore' Technologies: the UP MicroLab Approach Prof. John Richard E. Hizon <i>Director, Electrical and Electronics Engineering Institute University of the Philippines Diliman</i>
11:55	12:00	Announcements
12:00	13:00	Lunch Break

DAY 1: PARALLEL SESSIONS

		ENERGY (Balearic Room)	ENVIRONMENT & INFRASTRUCTURE (Mediterranean Hall)	INFORMATIONS & COMMUNICATIONS TECHNOLOGY (Tasman Room)	MANUFACTURING/ SEMICONDUCTOR/ ELECTRONICS (Sidra Room)
13:00	13:20	ENERGY-01	ENVINFRA-01	ICT-01	MFG-01
13:20	13:40	ENERGY-02	ENVINFRA-02	ICT-02	MFG-18
13:40	14:00	ENERGY-03	ENVINFRA-03	ICT-03	MFG-03
14:00	14:20	ENERGY-04	ENVINFRA-04	ICT-06	MFG-04
14:20	14:40	ENERGY-05	ENVINFRA-05	ICT-08	MFG-05
14:40	15:00	ENERGY-06	ENVINFRA-06	ICT-10	MFG-06
15:00	15:20	AFTERNOON BREAK			
15:20	15:40	ENERGY-07	ENVINFRA-07	ICT-11	MFG-08
15:40	16:00	ENERGY-08	ENVINFRA-08	ICT-18	MFG-10
16:00	16:20	ENERGY-09	ENVINFRA-09	ICT-19	MFG-11
16:20	16:40	ENERGY-10	ENVINFRA-10	ICT-20	MFG-12
16:40	17:00	ENERGY-11	ENVINFRA-11	ICT-21	MFG-13

DAY 2: OCTOBER 19, 2017

8:00	8:55	Registration
8:55	9:00	Invocation
9:00	9:05	Welcome Message Fr. Aleksander Gaut, SVD, PhD <i>Vice President for Academic Affairs University of San Carlos</i>
9:05	9:10	Welcome Address Dr. Rizalinda de Leon <i>Dean, College of Engineering University of the Philippines Diliman</i>
9:10	9:30	Message Prof. Moon Kyum Kim <i>President, Association for Engineering Education in Southeast, East Asia, and the Pacific</i>
9:30	9:55	Plenary Talk: Engineers in a Corporate R&D Dr. Shigaru Azuhata <i>President, Japanese Society for Engineering Education Fellow of Hitachi Ltd.</i>
9:55	10:20	Plenary Talk: Philippine Government Initiatives to Leapfrog to the 4th Industrial Revolution Dr. Rafaelita M. Aldaba <i>Assistant Secretary, Department of Trade and Industry</i>
10:20	10:35	Open Forum
10:35	10:50	Morning Break
10:50	11:15	Plenary Talk: Construction Information Technology for the Post-Information Age Prof. Hyoungkwan Kim <i>School of Civil and Environmental Engineering, Yonsei University</i>
11:15	11:40	Plenary Talk: Opportunities and Initiatives to Develop Philippine Human Resources in AI and Data Science Dr. Prospero Naval, Jr. <i>Department of Computer Science College of Engineering, University of the Philippines Diliman</i>
11:40	11:55	Open Forum
11:55	12:00	Announcements
12:00	13:00	Lunch Break

DAY 2: PARALLEL SESSIONS

		ENVIRONMENT & INFRASTRUCTURE (Balearic Room)	AEESEAP (Mediterranean Hall)	MIXED TRACKS 1 (Tasman Room)	MIXED TRACKS 2 (Sidra Room)
13:00	13:20	ENVINFRA-12	AEESEAP COUNTRY REPORTS: INDONESIA JAPAN KOREA PAPUA NEW GUINEA PHILIPPINES CHINA	ICT-12	ENGED-01
13:20	13:40	ENVINFRA-13		ICT-13	ENGED-03
13:40	14:00	ENVINFRA-14		ICT-14	ENGED-04
14:00	14:20	ENVINFRA-15		ICT-15	ENGED-05
14:20	14:40	ENVINFRA-16		ICT-16	ENGED-06
14:40	15:00	ENVINFRA-17		ICT-17	ENERGY-19
15:00	15:20	AFTERNOON BREAK			
15:20	15:40	ENVINFRA-18	AEESEAP COUNTRY REPORTS: SINGAPORE	ENVINFRA-34	MFG-14
15:40	16:00	ENVINFRA-19		ENVINFRA-35	MFG-15
16:00	16:20	ENVINFRA-20		ENVINFRA-36	MFG-16
16:20	16:40	ENVINFRA-21		ENVINFRA-37	MFG-17
16:40	17:00	ENVINFRA-22		MFG-20	MFG-02

DAY 3: OCTOBER 20, 2017

7:30	8:30	Registration
8:30	8:35	Invocation
8:35	8:40	Welcome Address Dr. Luzviminda Bellotindos <i>Director, Center for Research in Energy Systems and Technologies School of Engineering, University of San Carlos</i>
8:40	9:10	Plenary Talk: Sustainable Energy Systems - Impacts on Emissions and Development Prof. AbuBakr Bahaj <i>Head of Division (Energy and Climate Change), University of Southampton</i>
9:10	9:40	Plenary Talk: Marine Renewable Energy in Southeast Asia: Status, Developments and Direction Dr. Michael Lochinvar S. Abundo <i>Programme Integration Manager, Rolls-Royce @ NTU Corporate Laboratory Managing Director, OceanPixel</i>
9:40	10:00	Morning Break
10:00	10:30	Plenary Talk: Biofuels in the Philippines: Current Scenarios Dr. Alchris Go <i>Department of Chemical Engineering, University of San Carlos</i>
10:30	11:00	Plenary Talk: Energy Efficiency in Buildings: Opportunities and Challenges Engr. Isabelo Rabuya <i>Department of Electrical and Electronics Engineering School of Engineering, University of San Carlos</i>
11:00	11:30	Plenary Talk: Sustainable Energy Access in Off-Grid Island Communities Engr. Lorafe Lozano <i>Department of Industrial Engineering School of Engineering, University of San Carlos</i>
11:30	11:40	Open Forum
11:40	11:45	Announcements
11:45	13:00	Lunch Break

DAY 3: PARALLEL SESSIONS

		ENERGY (Balearic Room)	ENVIRONMENT AND INFRASTRUCTURE (A) (Mediterranean Hall)	ENVIRONMENT AND INFRASTRUCTURE (B) (Tasman Room)	MIXED TRACKS (Sidra Room)
13:00	13:20	ENERGY-12	ENVINFRA-23	ENVINFRA-28	ENERGY-16
13:20	13:40	ENERGY-13	ENVINFRA-24	ENVINFRA-29	ENERGY-17
13:40	14:00	ENERGY-14	ENVINFRA-25	ENVINFRA-30	ENVINFRA-33
14:00	14:20	ENERGY-15	ENVINFRA-26	ENVINFRA-31	ENVINFRA-32
14:20	14:40	ENERGY-18	ENVINFRA-27	ENVINFRA-41	ENGED-07
CLOSING CEREMONY					
14:40	14:50	Moving Forward Message Fr. Dionisio Miranda, SVD, SThD <i>President, University of San Carlos</i>			
14:50	15:00	Acknowledgements Prof. Dr. Evelyn B. Taboada <i>Dean, School of Engineering, University of San Carlos</i>			