

感謝華立企業捐助化工系，2018年8月15~17日於化工系館舉辦與新南向國家的學術交流研討會(**2018 International Workshop on Advanced Chemical Technology**)，邀請13位來自印尼、馬來西亞、泰國、越南、印度、及菲律賓等國家化工相關大學教授與主管與會，以促進彼此之了解與合作，並藉此加強本系之海外招生。

附件：會議議程與活動照片

## 2018 International Workshop on Advanced Chemical Technology

August 15, 2018 (Wednesday)

Time	Program
<b>Place:</b> ChE, NCKU	
13:00–18:00	Registration
18:00–21:00	Welcome Reception

August 16, 2018 (Thursday)

Time	Program
08:30–09:00	<b>Registration</b>
<b>Place:</b> Berlin Lecture Hall (1F), ChE	
09:00–09:10	<b>Opening Remark</b>
<b>Chair: Prof. Hsisheng Teng and Prof. Watchareeya Kaveevivitchai</b>	
9:10–9:30 A1 Invited	<b>Prof. Renanto Handogo</b> (Institut Teknologi Sepuluh Nopember, Indonesia) Carbon Capture and Storage System Problems in Indonesia
9:30–9:50 A2 Invited	<b>Prof. Hsisheng Teng</b> (National Cheng Kung University, Taiwan) Solid Polymer Electrolytes for Batteries and Supercapacitors and Graphene Dots for Photocatalytic H <sub>2</sub> Production
9:50–10:10 A3 Invited	<b>Prof. T. Maiyalagan</b> (SRM Institute of Science and Technology, India) Bifunctional Electro-Catalysts: Challenges and Opportunities for Sustainable Energy
10:10–10:30 A4 Invited	<b>Prof. Ittipol Jangchud</b> (King Mongkut's Institute of Technology Ladkrabang, Thailand) Porous Pipes made from GRT/NR/Reclaimed Rubber Reinforced with Waste Tire Fibers for Agricultural Applications
10:30–11:00	<b>Coffee Break</b>
<b>Chair: Prof. Jih-Jen Wu and Prof. Wen-Chung Wu</b>	
11:00–11:20 A5 Invited	<b>Dr. I Dewa Gede Arsa Putrawan</b> (Institut Teknologi Bandung, Indonesia) Synthesis of Mercapto Ethyl Ester of Fatty Acid from Rice Bran Oil
11:20–11:40 A6 Invited	<b>Prof. Jih-Jen Wu</b> (National Cheng Kung University, Taiwan) Morphology and Interfacial Energetics Controls for Nanostructured Photoanodes for Efficient Photoelectrochemical Water Splitting
11:40–12:00 A7 Invited	<b>Dr. Thiam Leng Chew</b> (Universiti Teknologi Petronas, Malaysia) Modified SAPO-34 Zeolite Membrane for CO <sub>2</sub> Gas Separations
12:00–13:30	<b>Lunch</b>
<b>Chair: Prof. Yu-Chuan Lin and Prof. Chia-Yu Lin</b>	
13:30–13:50 A8 Invited	<b>Prof. Tawan Sooknoi</b> (King Mongkut's Institute of Technology Ladkrabang, Thailand) Catalytic Approach for Selective Hydrodeoxygenation of Light Oxygenates to Olefins: Acetic Acid to Propylene

<b>13:50–14:10</b> <b>A9 Invited</b>	<b>Prof. Yu-Chuan Lin</b> (National Cheng Kung University, Taiwan) Copper Phyllosilicates Derived Cu/SiO <sub>2</sub> Catalysts in the Direct Hydrogenation of Adipic Acid to 1,6-Hexandiol
<b>14:10–14:30</b> <b>A10 Invited</b>	<b>Dr. Hwei Voon Lee</b> (University of Malaya, Malaysia) Catalytic Upgrading of Lignin Model Compound into Transportation Fuel by Using Ti-MCM-41 Based Catalyst
<b>14:30–14:50</b> <b>A11 Invited</b>	<b>Dr. Tan Hiep Dang</b> (Ho Chi Minh City University of Food Industry, Vietnam) In vitro Studies of Bioglass Material by X-Ray Diffraction and Solid-State MAS-NMR
<b>14:50–15:00</b>	<b>Group Photo</b>
<b>15:00–15:30</b>	<b>Coffee Break</b>
<b>15:30–17:30</b>	<b>Roundtable Discussion</b>
<b>18:00–20:00</b>	<b>Banquet</b>

August 17, 2018 (Friday)

<b>Time</b>	<b>Program</b>
<b>Place:</b> Berlin Lecture Hall (1F), ChE	
<b>Chair: Prof. Mei-Jywan Syu and Prof. Chi-Cheng Chiu</b>	
<b>9:00–9:20</b> <b>A12 Invited</b>	<b>Prof. Xuan Hoan Nguyen</b> (Ho Chi Minh City University of Food Industry, Vietnam) Evaluation of Five Gridded Rainfall Datasets in Simulating Streamflow in the Upper Dong Nai River Basin, Vietnam
<b>9:20–9:40</b> <b>A13 Invited</b>	<b>Prof. Mei-Jywan Syu</b> (National Cheng Kung University, Taiwan) Feasibility on the Development of Albumin Detection
<b>9:40–10:00</b> <b>A14 Invited</b>	<b>Dr. Ngoc Thang Nguyen</b> (Hanoi University of Science and Technology, Vietnam) Cellulose-Based Colorimetric pH Indicator Materials Incorporating Anthocyanin for Smart Textile Applications
<b>10:00–10:20</b> <b>A15 Invited</b>	<b>Dr. Bode Haryanto</b> (University of Sumatera Utara, Indonesia) Application of Technology in Supporting Social Activities: Labeling Local Product, Utilization Sand of Sinabung Mountain, Purifying Briny Water
<b>10:20–10:50</b>	<b>Coffee Break</b>
<b>Chair: Prof. Sheng-Shu Hou and Prof. I-Son Ng</b>	
<b>10:50–11:10</b> <b>A16 Invited</b>	<b>Prof. Marlon T. Conato</b> (University of the Philippines-Diliman, Philippines) Inorganic-Organic Polymer Materials: Synthesis, Structures, and Applications
<b>11:10–11:30</b> <b>A17 Invited</b>	<b>Prof. Sheng-Shu Hou</b> (National Cheng Kung University, Taiwan) Interpolymer Complexation between Poly( <i>N</i> -vinylformamide) and Poly(acrylic acid) Through Hydrogen Bonding Interaction
<b>11:30–11:50</b> <b>A18 Invited</b>	<b>Dr. Graecia Lugito</b> (Institut Teknologi Bandung, Indonesia) Study of Crystallization Behavior for Future Development of Polymer Processing
<b>11:50–12:00</b>	<b>Closing Remark</b>
<b>12:00–13:00</b>	<b>Lunch</b>
<b>13:00–18:00</b>	<b>City Tour</b>

\*A8↔A16; A12 deleted; A18→A12



與會貴賓與本系老師合照



與會貴賓與本系老師舉行圓桌會議，討論未來共同合作與外籍生至本系就讀等相關事宜



本系張鑑祥主任主持開幕典禮



成大工學院李偉賢院長開幕致詞



A1 印尼 Prof. Renanto Handogo



A2 本系 Prof. Hsisheng Teng



A3 印度 Prof. T. Maiyalagan



A4 泰國 Prof. Ittipol Jangchud



A5 印尼 Dr. I Dewa Gede Arsa Putrawan



A6 本系 Prof. Jih-Jen Wu



A7 馬來西亞 Dr. Thiam Leng Chew



A16 菲律賓 Prof. Marlon T. Conato



A9 本系 Prof. Yu-Chuan Lin



A10 馬來西亞 Dr. Hwei Voon Lee



A11 越南 Dr. Tan Hiep Dang



A18 印尼 Dr. Graecia Lugito



A13 本系 Prof. Mei-Jywan Syu



A14 越南 Dr. Ngoc Thang Nguyen



A15 印尼 Dr. Bode Haryanto



A8 泰國 Prof. Tawan Sooknoi



A16 本系 Prof. Sheng-Shu Hou



本系張鑑祥主任主持閉幕典禮