

CONFERENCE PROGRAMME

Day 1, Tuesday 6th August 2019

TIME	PROGRAMME
8:00	Registration Venue: Graduate Centre Lobby
9:00 – 9:45	Opening Ceremony Venue: Graduate Centre (Hall 3) Welcoming Remarks: Prof Mohamed Kheireddine Aroua, Chairman of EACCO₂CU 2019 SUNWAY University, Malaysia Officiating Remarks: Professor Graeme Wilkinson, Vice-Chancellor of SUNWAY University, Malaysia
9:45 – 10:30	Honorary Guest Speech Venue: Graduate Centre (Hall 3) Mr. Muhammad Ridzuan Ali, Assistant Secretary (Climate Change and Policy), Ministry of Energy, Science, Technology, Environment & Climate Change (MESTECC), Malaysia
10:30 – 11:00	Tea Break/ Exhibition Visit (Venue: Graduate Centre Lobby)/ Poster Viewing (Venue: Function Room 4)
	Plenary session 1 Venue: Graduate Centre (Hall 3) Chairman: Prof Jean Christophe Remigy, Université de Toulouse, INPT, France
11:00 – 11:45	Plenary Talk 1 Prof Bekir Zühtü Uysal, Gazi University, Ankara, Turkey Topic: <i>Realistic Approach to Carbon Capture and Utilization, and Challenges in The Process</i>
11:45 – 12:30	Plenary Talk 2 Prof Kang Li, Imperial College London, United Kingdom Topic: <i>New Engineered Ceramic Membranes for CO₂ Capture and Utilisation</i>
12:30 – 14:00	Lunch

	Plenary session 2 Venue: Graduate Centre (Hall 3) Chairman: Prof Bekir Zühtü Uysal, Gazi University, Ankara, Turkey	
14.00 – 14.45	Plenary Talk 3 Prof Sang-Eon Park, Inha University, Incheon, South Korea Topic: <i>CO₂ as Oxygen Source for Value-added Basic Chemicals</i>	
14.45 – 15.30	Plenary Talk 4 Prof. Abdulrahman Al-Warthan, King Saud University, Riyadh, Saudi Arabia Topic: <i>Application of Nanomaterials as Adsorbents for Capturing Carbon Dioxide and Methane</i>	
15.30 – 16.00	Tea Break / Poster Viewing / Exhibition Visit	
	Oral Session 1 Venue: Graduate Centre (Hall 3) Chairman: Assoc. Prof. Ir. Dr. Rozita Yusoff	Oral Session 2 Venue: Graduate Centre (Hall 2) Chairman: Dr. Naimah Ibrahim
16.00 – 16.20	CO₂ Capture and Surface Structure in Ionic Liquid-Propanol Solutions (CC-U01) <i>Hiroshi Abe, Azusa Takeshita, Hirokazu Sudo, Koichi Akiyama</i>	Carbon Dioxide Methanation Over Nickel- Based Cerium/Chromium Oxides (CU-U01) <i>Chuthamas Wongsartsai, Vut Tongnan, Navadol Laosiripojana, Nuchanart Siri-Nguan, Unalome Wetwatana Hartley</i>
16.20 – 16.40	Molecular Interaction Establishment of Amine-Absorption Process for CO₂ Removal (CCC-O03) <i>Noorlisa Harun, Emyra Ezzaty Masiren, Haslenda Hashim</i>	Dry Reforming of CH₄ Over Ni-La@KCC-1 Catalyst: Effects of La Promoter and Optimization Studies Using RSM (CC-U02) <i>Abdulrahman Abdulrasheed, Aishah Abdul Jalil, Muhamed Yusuf Shahul Hamid, Siang Tan Joo</i>
16.40 – 17.00	Carbon Dioxide Absorption Using Binary Amino Acids-Based Ionic LiquidS (CC-O12) <i>Gowri Selvaraj, Cecilia Devi Wilfred</i>	Formation of Substitute Natural Gas Over Fibrous Silica Mordenite Via CO₂ Methanation – A Thermodynamic and Mechanistic Study (CU-O09) <i>Ijaz Hussain, Aishah Abdul Jalil, Maryam Ibrahim, Azami M.S., Novia Amalia Sholeha</i>
17.00 – 17.20	Investigation of Carbon Dioxide Absorption with Ammonium Acetate Solution in Packed Column (CC-O09) <i>Duygu Uysal Zıraman, Onur Şaşmaz, Özkan Murat Doğan, Bekir Zühtü Uysal</i>	Fabrication of Bi₂WO₆/Cu/WO₃ Z-Scheme Composite Photocatalyst to Improve CO₂ Photoreduction Under Visible Light (CU-O08) <i>Teh Yee Wen, Yien Wei Goh, Siek Ting Yong, Siang Piao Chai</i>
	End of Day 1	
18.30 – 21.30	Networking Dinner	

Day 2, Wednesday 7th August 2019

TIME	PROGRAMME	
8:00	Registration	
	Plenary session 3 Venue: Graduate Centre (Hall 3) Chairman: Prof Kang Li, Imperial College London, United Kingdom	
9:00 – 9:45	Plenary Talk 5 Ms. Shylaja Devi, Sime Darby Bhd, Malaysia Topic: Carbon Footprint Measurement, Policies and Mitigation Measures Applied Within the Palm Oil Industry	
9:45 – 10:30	Plenary Talk 6 Prof. Jean Christophe Remigy, Université de Toulouse, INPT, France Topic: Membrane Contactors for CO₂ Capture: Advances of Using Dense Composite Hollow Fiber Membranes	
10:30 – 11:00	Tea Break / Poster Viewing / Exhibition Visit	
	Oral Session 3 Venue: Graduate Centre (Hall 3) Chairman: Ir. Dr. Umi Fazara Md Ali	Oral Session 4 Venue: Graduate Centre (Hall 2) Chairman: Assoc. Prof. Ir. Dr. Maizirwan Mel
11:00 – 11:20	Carbon Footprint Management System in Power Sector (CU-O04) <i>Radin Diana Radin Ahmad, Szalina Zakaria, Ahmad Rosly Abbas, Nur Natasha Abdul Samat</i>	Metal Organic Framework Incorporated Water Swellable Polymer Membrane for Enhanced CO₂ Separation (CC-O16) <i>Rajashree Borgohain, Pradip Das, Bishnupada Mandal</i>
11:20 – 11:40	Assessment of Greenhouse Gas (GHG) Mitigation Measures for Power Utility Company in Malaysia (CC-O14) <i>Szalina Zakaria, Radin Diana Radin Ahmad, Ahmad Rosly Abbas, Nur Natasha Abdul Samat</i>	Well-Designed ZnMn₂O₄/g-C₃N₄ as Type-II Heterojunction Photocatalysts for Photoconversion of CO₂ into Solar Fuels with High Efficiency (Abdullah Bafaqeer, Muhammad Tahir, Azmat Ali Khan, Beenish Tahir
11:40 – 12:00	Effect of 3-Aminopropyltrimethoxysilane Functionalization on Mesoporous Ceria Nanoparticles for CO₂ Capture (CC-O08) <i>Muhammad Arif Ab Aziz, Ahmad Aiman Azmi, Norzita Ngadi</i>	Indirect Z-Scheme Assembly of WO₃/g-C₃N₄ Microspheres for Visible Light Driven CO₂ Reduction Via Dry Reforming of Methane to Fuels (CU-O11) <i>Beenish Tahir, Muhammad Tahir</i>
12:00 – 12:20	Fabrication of PES MMMS with Improve Separation Performances Using Two-Dimensional rGO/ZIF-8 and MoS₂/ZIF-8 Nanofillers (CC-O07) <i>Nur Hidayati Othman, Najihah Jamil, Nur Hashimah Alias, Munawar Zaman Shahrudin, Lau Woe Jye, Ahmad Fauzi Ismail</i>	Effect of Ionic Liquid on CO₂/CH₄ Separation Using Polycarbonate/Silica Mixed Matrix Membrane (CC-O18) <i>Siti Nur Alwani Shafie, Nik Abdul Hadi Md Nordin, Muhammad Roil Bilad, Zakaria Man, Zulfan Adi Putra, Mohd Dzul Hakim Wirzal</i>
12:20 – 12:40	Urban Parks Paradoxes as Carbon Sink Medium (CC-010) <i>Nurzuliza Jamirsah, Ismail Said, Badrulzaman Jaafar</i>	Promoting effect of sodium addition onto Ru/YSZ catalyst system on CO₂ hydrogenation (CU-O10) <i>Tan Sze Yen, Naimah Ibrahim, Sara Yasina Yusuf, Umi Fazara Md Ali, Danai Poulidi, Mohamed Kheireddine Aroua, Rozita Yusoff</i>
12:40 – 14:00	Lunch	

	Venue: Sunway College Cafeteria	
	Oral Session 5 Venue: Graduate Centre (Hall 3) Chairman: Dr. Sara Yasina Yusuf	Oral Session 6 Venue: Graduate Centre (Hall 3) Chairman: Ir. Dr. Umi Fazara Md Ali
14:00 – 14:20	Newly Modified Metal Oxides Incorporated Activated Carbon Nanofibers with High Surface Area for Carbon Dioxide Adsorption (CC-O02) <i>Faten Ermala Che Othman, Norhaniza Yusof, Sadaki Samitsu, Ahmad Fauzi Ismail</i>	CO ₂ Conversion to Peroxydicarbonate anion by Superoxide Ion Generated in 1-Butyl-1-Methylpiperidinium bis (trifluoromethylsulfonyl) imide (CU-O03) <i>Ahmed Halilu, Maan Hayyan, Mohamed Kheireddine Aroua, Rozita Yusoff, Hanee Farzana Hizaddin</i>
14:20 – 14:40	Harvesting CO ₂ for Electricity Production: Opportunities, Challenges and Future Prospect (CC-O04) <i>Peter Adeniyi Alaba, Ching Shya Lee, Faisal Abnisa, Mohamed Kheireddine Aroua, Patrick Cognet, Yolande Pérès, Wan Mohd Wan Daud</i>	Synthesis and Characterization of Amine Functionalized-Silica Adsorbent for CO ₂ Capture (CC-O13) <i>Wan Muhammad Shaifullah Wan Ahmad Saidi, Tay Tze Hao, Hanapi Mat, Khairirahana Johari</i>
14:40 – 15:00	CO ₂ Adsorption in Spent Shale Recovered from Pyrolysis Oil Shale Extraction (CCO17) <i>Firas Ayad Abdulkareem, Sneha Rani, Eswaran Padmanabhan</i>	Supported Ionic Liquid Membrane (SILM) As A Contactor for the Selective Absorption of CO ₂ by Aqueous Monoethanolamine (MEA) (CC-015) <i>Nurul Ain Ramli, Nur Awanis Hashim, Mohamed Kheireddine Aroua</i>
15:00 – 15:20	High performance PVA/PG/Zeolite mixed matrix membrane for CO ₂ /N ₂ separation (CC-O19) <i>Mridusmita Barooah, Bishnupada Mandal</i>	Visible Light Driven Photocatalytic CO ₂ Conversion by Mesoporous Cd _{0.5} Zn _{0.5} Se (CU-O07) <i>Han Sol Jung, Yong Tae Kang</i>
15:20 – 15:40	CO ₂ Absorption Rate and CO ₂ Loading of Aqueous Monoethanolamine Solution Mixed with Glycerol (CC-O19) <i>Shervan Babamohammadi, Mohamed Kheireddine Aroua, Rozita Yusoff</i>	To be confirmed
15:40 – 16:00	To be confirmed	To be confirmed
16:00 – 16:30	Tea Break / Poster Viewing / Exhibition Visit	
16:30 – 17:00	Poster presentations	
17:00 – 17:50	Best oral presenter and best poster announcement Closing ceremony	
17:50	End of Conference	

Remarks: This is a tentative programme and updates will be made from time to time. For further enquiry, please contact the EACCO₂CU2019 secretariat at eacco2cu2019@sunway.edu.my

WORKSHOP PROGRAMME

Day 3, Thursday 8th August 2019

TIME	PROGRAMME
8.00	Registration
9.00 – 9.15	Welcoming Speech Prof Mohamed Kheireddine Aroua, Associate Dean (Research) School of Science and Technology/Head of Centre for Carbon Dioxide Capture and Utilization
9.15 – 10.15	Plenary session Prof. Malti Goel <i>“CO₂ Capture and Utilisation Towards Climate Change Mitigation”</i>
10.15 – 10.45	Tea Break
10.45 – 12.00	Talks by Country Climate Action Initiatives
12.00 – 12.45	Discussion
12.45 – 14.00	Lunch
14.00 – 16.00	Roundtable Discussion on Action Plans for Collaboration and Establishment of Consortium for CO ₂ Capture and Utilisation Consortium
16.00	End of Workshop

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