TENTATIVE PROGRAM SCHEDULE

Summary of schedule:

Day 1: Monday, 23rd September 2024 – Pre-conference workshop – Refer Table 1

Day 2: Tuesday, 24th September 2024 – Oral presentation – Refer Table 2

Day 3: Wednesday, 25th September 2024 – Oral presentation – Refer Table 3

Day 4: Thursday, 26th September 2024 – Oral and poster presentation – Refer Table 4

Day 5: Friday, 27th September 2024 – Excursions – Refer Table 5

Categories of topic:

C1.0 Adsorption modelling, simulation and catalysis: 9 Oral + 2 Poster = 11

C2.0 Fundamentals of adsorption: 12 Oral + 1 Poster = 13

C3.0 Synthesis of novel adsorbent and other topics: 8 Oral + 7 Poster = 15

C4.0 Adsorption for energy related applications: 13 Oral + 1 Poster = 14

C5.0 Adsorption for environmental and bio-applications: 8 Oral + 8 Poster = 16

C6.0 Advanced materials for adsorption: 14 Oral + 9 Poster = 23

Table 1 : Tentative Program schedule for
Date : 23rd September 2024 (Monday)
PBAST-9 Conference Day 1 (Pre-Conference Workshop)
Venue : Auditorium/Level 2
Menara SEB, Sarawak Energy Berhad
Important: Confirmation is required through a separate registration using google form in addition to the conference system. Lunch & transportation will only be provided for those who registered for the workshop.

	AUDITORIUM (LEVEL 2), MENARA SEB
08.30 – 09.00 am	**REGISTRATION**
09.00 – 09.15 am	Arrival of speakers and participants
09.15 – 09.30 am	Safety briefing
09.30 – 09.45 am	Opening remarks by PBAST-9 Secretariat
09.45 – 10.00 am	Opening remarks by SEB representative
10.00 – 11.00 am	Workshop by Prof. Katsumi Kaneko (Part I)
11.00 – 11.15 am	**TEA BREAK**
11.15 – 12.15 pm	Workshop by Prof. Katsumi Kaneko (Part II)
12.15 – 12.45 pm	Q&A Session
12.45 – 13.00 pm	Souvenirs Giving Ceremony & Photo Taking Session
13.00 pm	**LUNCH**
14.00 – 19:00 pm	**REGISTRATION (The Waterfront Hotel Lobby)**

07.00 – 09.00 pm	**WELCOME RECEPTION** (By Invitation, Roof Top, 13th Floor – the Waterfront Hotel)

Table 2 : Tentative Program schedule for
Date : 24TH September 2024 (Tuesday)
PBAST-9 Conference Day 2
Venue : Conference @ Level 4, The Waterfront Hotel, Kuching (Tubau 1, 2 & 3)

	Main room (Tubau 1 & 2)	Room 2 (Tubau 3)
07.30 – 09.00 am	**REGISTRATION (Foyer of Function Rooms - Level 4)**	
09.00 – 09.05 am	Opening Ceremony & Welcoming Speech by Organizing Chairman	
09.05 – 09.10 am	Welcoming Speech by Chief Advisor of International Advisory Panel	
09.10 – 09.50 am	Plenary Speaker 1 – Prof Youn Sang Bae (S10084) – C6.0	
09.50 – 10.30 am	Industry Speaker 1 – (Beshide)	
10.30 – 10.50 am	**TEA BREAK**	
10.50 – 11.30 am	Industry Speaker 2 – ITS - Belsorp Microtrac: (S10064: Dr. Adolphs Jürgen) – C2.0	
11.30 – 12.10 pm	Industry Speaker 3 – Surface Measurement System: (S10045: Dr. Lisa Mingzhe Sun) – C3.0	
12.10 – 02.00 pm	**LUNCH BREAK**	
	SESSION X1	**SESSION X2**
02.00 – 02.40 pm	Keynote Speaker 1 – **X1.01** (S10104: Prof. Hideki Tanaka) – C1.0	Keynote Speaker 2 – **X2.01** (S10128: Prof. Ruey-An Doong) – C5.0
02.40 – 03.20 pm	Invited Speaker 1 – **X1.02** (S10010: Katsumi Kaneko) – C3.0	Invited Speaker 2 – **X2.02** (S10016: Prof. Chang Ha Lee) – C4.0
03.20 – 03.40 pm	Keynote Speaker 3 – **X1.03** (Jose Paula Mota)	**X2.03** (S10082: Prof. Ki Bong Lee) – C5.0
03.40 – 04.00 pm		**X2.04** (S10059: Dr. Pandey Jyoti Shanker) – C5.0
04.00 – 04.20 pm	**X1.04** (S10081: Dr. Arami Niya Arash) – C6.0	**X2.05** (S10035: Dr. YangYang Guo) – C5.0
04.20 – 04.40 pm	**X1.05** (S10024: Dr. Masaaki Yoshikawa) – C6.0	**X2.06** (S10105: Prof. Bin Xu) – C5.0
04.40 – 05.00 pm	**X1.06** (S10080: Dr. Johnathan Tan) – C1.0	**X2.07** (S10121: Prof. Ziyi Li) – C5.0
05.00 – 05.20 pm	**X1.07 (S10109: Mr. Shigaki Nobuyuki) – C4.0**	**X2.08** (S10040: Ms. Mengli Tian) – C5.0
05.20 – 05.40 pm	**X1.08** (S10108: Mr. Tomoyuki Okida) – C4.0	**X2.09** (S10039: Mr. Peng Wang) – C5.0
05.40 – 06.00 pm	TBD	TBD

Table 3 : Tentative Program schedule for
Date : 25th September 2024 (Wednesday)
PBAST-9 Conference Day 3
Venue : Conference @ Level 4, The Waterfront Hotel, Kuching (Tubau 1, 2 & 3)

	Main room (Tubau 1 & 2)	Room 2 (Tubau 3)
09.00 – 09.40 am	Industry Speaker 4 – Anton Paar	
09.40 – 10.20 am	Plenary Speaker 2 – Prof. Shin Mukai (S10093) – C6.0	
10.20 – 10.40 am	**TEA BREAK**	
	SESSION Y1	**SESSION Y2**
10.40 – 11.20 am	Invited Speaker 3 – **Y1.01** (S10037: Prof. Joaquin Silvestre – Albero) – C2.0	Keynote Speaker 4 – **Y2.01** (S10053: Prof. Hirotoma Nishihara) – C4.0
11.20 – 11.40 am	**Y1.02** (S10100: Mr Homare Arima) – C2.0	**Y2.02** (S10088: Mr. Sejin Park) – C4.0
11.40 – 12.00 am	**Y1.03** (S10092: Dr. Kaifei Chen) – C2.0	**Y2.03** (S10018: Prof. Guoping Hu) – C4.0
12.00 – 12.20 am	**Y1.04** (S10062: Prof. Ryusuke Futamura) – C2.0	**Y2.04** (S10079: Assoc. Prof. Kevin Gang Li) – C4.0
12.20 – 12.40 pm	**Y1.05** (S10066: Prof. Takahiro Ohkubo) – C2.0	**Y2.05** (S10015: Mr. Youngho Cho) – C4.0
12.40 – 01.00 pm	**GROUP PHOTO SESSION**	
01.00 – 02.00 pm	**LUNCH BREAK**	
	SESSION Y3	**SESSION Y4**
02.00 – 02.40 pm	Invited Speaker 4 – **Y3.01** (S10106: Prof. Andrew Kun-Yi Lin) – C1.0	Invited Speaker 5 – **Y4.01** (S10103: Prof. Alexander Neimark) – C2.0
02.40 – 03.00 pm	**Y3.02**(S10027: Dr. Takeshi Mori) – C1.0	**Y4.02** (S10061: Prof. Takahiro Ueda) – C2.0
03.00 – 03.20 pm	**Y3.03** (S10019: Assoc. Prof. Xiaofei Jing) – C1.0	**Y4.03** (S10101: Dr. Quang Loi) – C2.0
03.20 – 03.40 pm	**Y3.04** (S10114: Prof. Donghui Zhang) – C1.0	**Y4.04** (S10043: Ms. Marhaina Ismail) – C2.0
03.40 – 04.00 pm	**Y3.05** (S10076: Mr. Yasuhiro Sugiyama) – C1.0	**Y4.05** (S10017: Prof. Shang Jin) – C2.0
04.00 – 04.20 pm	**Y3.06** (S10030: Prof. Georgi Vayssilov) – C1.0	**Y4.06** (S10090: Ms. Hyunlim Kim) – C3.0
04.20 – 04.40 pm	**Y3.07** (S10009: Prof. Satoshi Inagaki) – C4.0	**Y4.07** (S10097: Mr. Jung Sung Yeop) – C3.0
04.40 – 05.00 pm	**Y3.08** (S10087: Ms. Jianing Yang) – C4.0	**Y4.08** (S10057: Mr. Minghao Li) – C3.0
05.00 – 05.20 pm	**Y3.09** (S10110: Prof. Hyunchul Oh) – C4.0	**Y4.09** (S10063: Prof. Daofei Lyu) – C6.0
05.20 – 05.40 pm	**Y3.10** (S10058: Prof. Teresa J Bandosz) – C4.0	**Y4.10** (S10129: Dr. Wang Zhen-Ming) – C6.0
05.40 – 06.00 pm	**Y3.11** (S10136: Prof. Tao YouSheng) – C4.0	TBD

Table 4 : Tentative Program schedule for
Date : 26th September 2024 (Thursday)
PBAST-9 Conference Day 4
Venue : Conference @ Level 4, The Waterfront Hotel, Kuching (Tubau 1, 2 & 3)
Banquet Dinner @ the Old Court House (by Invitation, Attire: Business Casual)

	Main room (Tubau 1 & 2)	**Room 2 (Tubau 3)**
	SESSION Z1	**SESSION Z2**
09.00 – 09.40 am	Invited Speaker 6 – **Z1.01** (S10127: Dr. Abdul Hanif Mahadi) – C1.0	Invited Speaker 7 – **Z2.01** (S10098: Dr. Ramon Christian Eusebio) – C6.0
09.40 – 10.20 am	Invited Speaker 8 – **Z1.02** (S10029: Assoc. Prof. Cheung Ocean) – C3.0	Invited Speaker 9 – **Z2.02** (S10123: Prof. Akihiko Matsumoto) – C2.0
10.20 – 10.40 am	**TEA BREAK**	
10.40 – 11.00 am	**Z1.03** (S10078: Prof. Qibin Xia) – C6.0	**Z2.03** (S10026: Mr. Moon-Kyung Cho) – C6.0
11.00 – 11.20 am	**Z1.04** (S10085: Prof. Zhong Li) – C3.0	**Z2.04** (S10020: Mr. Minghao Liu) – C6.0
11.20 – 11.40 am	**Z1.05** (S10086: Xin Zhou) – C6.0	**Z2.05** (S10073: Prof. Zhenxia Zhao) – C6.0
11.40 – 12.00 pm	**Z1.06** (S10135: Prof Hirotaka Nakatsuji) – C3.0	**Z2.06** (S10025: Prof. David Shooto Ntaote) – C6.0
12.00 – 12.20 pm	**Z1.07** (S10060: Mr. Miyoshi Robichon) – C3.0	TBD
12.20 – 12.40 pm	TBD	TBD
12.40 – 02.00 pm	**LUNCH BREAK**	
02.00 – 03.00 pm	POSTER PRESENTATION (PLEASE REFER TABLE 5)	FORUM WITH INDUSTRY (All Southeast Asia Adsorption Scientists are invited)
03.00 – 04.00 pm		MEETING FOR PBAST-10 (By Invitation)
04.00 – 05.00 pm		
04.40 – 05.00 pm		
05.00 – 05.20 pm		
05.30 – 06.00 pm	**AWARD AND CLOSING CEREMONY**	
	BANQUET (By Invitation, the Old Court House – Opposite the Waterfront Hotel))	
07.00 – 07.30 pm	Guests Arrival and Seating at Banquet Hall	
07.30 – 08.00 pm	Appreciation Speeches	
08.00 – 09.30 pm	Dinner & Performance	

Table 5 : Tentative Program schedule for
Date : 27th September 2024 (Friday)
PBAST-9 Conference Day 5 (Excursion)
Time : 9.30am
Venue : Gather @ the Lobby, the Waterfront Hotel, Kuching (By invitation)

	Itinerary	Venue
	EXCURSION (By Invitation)	
08.00 – 08.30 am	Gather @ the Lobby, Ground Floor	The Waterfront Hotel, Kuching
08.30 – 09.30 pm	Departure to Sarawak Cultural Village	Tour bus provided
09.30 – 13.00 pm	Visit Long Houses, Cultural Performance	Sarawak Cultural Village
13.00 – 02.00 pm	Lunch	Choose your own favourite local delights (own expenses)
02.30 – 03.30 pm	Visit Men of the Forest	Semanggol Orang Utan Wildlife Center
03.30 – 04.00 pm	Back to City Center	Tour bus provided
05.00 – 07.00 pm	Sarawak Sunset River Cruise	River Cruise @ Kuching Waterfront

Table 4: Oral Presentation

No.	Session ID	Submission ID	TITLE	Salutation	Last Name	First Name
C1.0 Adsorption modelling, simulation and catalysis						
1	X1.01	S10104	Elucidation of Gas Adsorption Behavior through the Combination of Computational Science and Synchrotron Radiation Experiments	Prof.	Tanaka	Hideki
2	Y3.05	S10076	Topological Analysis of Highly Stabilized Amorphous Ice Confined in Nanopores	Mr	Sugiyama	Yasuhiro
3	Y3.06	S10030	Computational Modeling of Adsorption and Conversion of Carbon Dioxide in Zeolites	Prof.	Vayssilov	Georgi
4	X1.06	S10080	Evaluation of polymer liner for the prevention of hydrogen embrittlement based on their interaction	Dr.	Tan	Johnathan
5	Y3.04	S10114	Simulation of two-stage dual reflux pressure swing adsorption process for CO2 capture from flue gas	Prof.	Zhang	Donghui
6	Y3.01	S10106	Unveiling the Role of Oxygen Vacancies in Yolk-Shell Co3O4 Nanospheres for Enhanced H2O2 Sorption and Activation	Prof.	Lin	Kun-Yi Andrew
7	Y3.02	S10027	Designing cost-effective supported catalyst for low-temperature oxidation of gaseous plant hormone ethylene	Dr.	Mori	Takeshi
8	Z1.01	S10127	PdZn/ZnO−TiO2 catalysts for CO2 hydrogenation to methanol	Dr.	Mahadi	Abdul Hanif
9	Y3.03	S10019	Catalysis in the confined environments of porous frameworks	Assoc. Prof.	Jing	Xiaofei

C2.0 Fundamentals of Adsorption						
1	Y1.02	S10100	Investigating Guest-Induced Structural Transitions of Individual Flexible MOF Particles Using Atomic Force Microscopy and Thermodynamic Analysis	Mr	Arima	Homare
2	Y1.03	S10092	Improving Adsorption Performance of Zeolites by Electric Field Activation	Dr.	Chen	Kaifei
3	Y1.04	S10062	Role of the Staggered Interlayer Structure of Graphene Oxide for H2O/D2O Selective Adsorption	Prof.	Futamura	Ryusuke
4	Y1.05	S10066	Spontaneous Formation of Strong Acid Layer in Carbon Micropore from Neutral pH Aqueous Solution	Prof.	Ohkubo	Takahiro
5	Y4.02	S10061	The role of the 2-substituent group of imidazole ligands in adsorbing bulky molecules on ZIF-8 and its analogues	Prof.	Ueda	Takahiro
6	Y4.03	S10101	Hindered transport of water in pristine and functionalised carbon nanopores	Dr.	Quang	Loi
7	Z2.02	S10123	Adsorption Characteristics and Adsorption-induced Structural Transition of Porous Coordination Polymers with Flexible Ligands	Prof.	Matsumoto	Akihiko
8	Y4.01	S10103	Adsorption on Flexible Nanoporous Materials: Coupling Adsorption and Mechanical Properties	Prof.	Neimark	Alexander
9	Industry Speaker 2	S10064	Excess Surface Work – Disjoining Pressure Model Applied on Mesoporous Materials	Dr.	Adolphs	Jürgen
10	Y4.04	S10043	Mechanism of Carbon Dioxide Adsorption on Gallate-based Metal-organic Frameworks	Ms.	Ismail	Marhaina
11	Y4.05	S10017	The Development of Molecular Trapdoor Mechanism for Adsorptive Gas Separation	Prof.	Shang	Jin
12	Y1.01	S10037	Structural Flexibility in ZIFs upon Adsorption	Prof.	Silvestre - Albero	Joaquin

C3.0 Synthesis of novel adsorbent and other topics						
1	Z1.04	S10085	Green Synthesis of Novel Coffee Bean-derived Carbon Molecule Sieves for Efficient Separation of C4 Olefins with Sub-Angstrom Accuracy	Prof.	Li	Zhong
2	Z1.07	S10060	ZSM-5 Monolith Developed by Templating Method with Controlled Regrowth of Nanocrystals for Selective CO2 Removal	Mr	Miyoshi Robichon	Benoit Seiji
3	Z1.02	S10029	Selective SF6 and CO2 sorption by pore size tuning of framework porous materials - case study with ZIF-7-8 and KAUST-7	Assoc. Prof.	Cheung	Ocean
4	Y4.06	S10090	Enhanced Hydrogen Isotope Separation via Metal-Doped Zeolite Templated Carbon	Ms	Kim	Hyunlim
5	Y4.07	S10097	Optimized Pore Size for Hydrogen Isotope Separation Using a Novel Cryogenic Dynamic Column Breakthrough Apparatus	Mr	Jung	Sung Yeop
6	Y4.08	S10057	Adsorption Amount-controlled 129Xe NMR Technique as Pore Shape Distinguish Method of Porous Materials	Mr	Li	Minghao
7	Industry Speaker 3	S10045	Realistic evaluation of prototypical porous materials for carbon capture	Dr.	Sun	Lisa Mingzhe
8	Z1.06	S10135	Functions of solid nanoporous fullerene polymer cross linked with dialdehydes	Prof.	Hirotaka	Nakatsuji

C4.0 Adsorption for Energy Related Applications						
1	Y2.02	S10088	Physisorption-based hydrogen compressor for hydrogen refueling stations: a comparison between MOF-5 and MSC-30	Mr	Park	Sejin
2	Y2.01	S10053	Edge-site-free and topological-defect-rich graphene mesosponge for battery-related applications	Prof.	Nishihara	Hirotomo
3	Y2.03	S10018	Separation of Methane/Nitrogen Using Ionic Liquidic Zeolites (ILZ) by Pressure Swing Adsorption (PSA): from Laboratory to Industry	Prof.	Hu	Guoping
4	X2.02	S10016	Techno-Economic Analysis by Machine Learning-Based Optimization of Hybrid Processes Using Absorption, Cryogenic, and PSA for CO_2 Capture and H_2 Production from a Steam Methane Reforming Plant	Prof.	Lee	Chang-Ha
5	Y2.04	S10079	In-situ vapor promoted direct air CO_2 capture	Dr.	Gang Kevin	Li
6	Y2.05	S10015	Desulfurization Mechanism of Ultra-Low Concentration H2S and THT in Natural Gas on Zeolite 5A and 13X, and Cu-AC Pellets	Mr	Cho	Youngho
7	Y3.07	S10009	Preferential adsorption of propane on pure-silica zeolite beta	Prof.	Inagaki	Satoshi
8	X1.08	S10108	Development of Gas Fraction VPSA for CO_2 Separation from Blast Furnace Gas	Mr.	Tomoyuki	Okida
9	X1.07	S10109	Carbon Recycling System with Gas Fraction CO_2-VPSA and H_2O Separation Membrane Reactor	Mr.	Shigaki	Nobuyuki
10	Y3.08	S10087	Recovery of Low-Concentration Hydrogen Using Alloy LaNi5 Based Pressure Swing Adsorption	Ms.	Yang	Jianing
11	Y3.09	S10110	Enhanced Dormancy and Boil-Off Reduction in Liquid Hydrogen Storage Using Metal-Organic Frameworks	Prof.	Oh	Hyunchul
12	Y3.10	S10058	Oxygen Adsorption from Electrolyte on Porous Carbons of Complex Surface features: Effect of Small Pores Accessibility on ORR efficiency	Prof.	Bandosz	Teresa J
13	Y3.11	S10136	Determining the nanoporosity dependence of carbon cathode materials for zinc-ion hybrid capacitors	Prof.	Tao	Yousheng

C5.0 Adsorption for environmental and bio-applications						
1	X2.03	S10082	Upcycling of polyethylene terephthalate waste into porous carbons for potential CO_2 adsorbents using autogenic pressure carbonization	Prof.	Lee	Ki Bong
2	X2.04	S10059	Gas Storage Potential in MOF Ink-Soaked Material Under Gas Hydrate Formation Conditions	Dr.	Pandey	Jyoti Shanker
3	X2.05	S10035	Functionalized Dual/Multi-Ligand Metal-Organic Frameworks for Efficient CO_2 Capture from Flue Gas	Dr.	Guo	Yangyang
4	X2.06	S10105	Efficient Catalytic Oxidation of NO with Non-Faradaic Charging at α-MnO_2	Prof.	Xu	Bin
5	X2.01	S10128	Highly efficient electrosorption for inorganic and metal ions removal with novel low-dimensional carbon-based nanocomposites in aqueous solutions	Prof.	Doong	Ruey-An
6	X2.07	S10121	NOx adsorptive purification with efficient recycling of NO_2 from flue gas	Prof.	Li	Ziyi
7	X2.08	S10040	Biocompatible honeycomb monolith with micro-meter-scale straight channels as cell culture scaffold	Ms	Tian	Mengli
8	X2.09	S10039	Aqueous dispersibility and cytotoxicity of surfactant adsorbed giant hollow carbon tubes	Mr	Wang	Peng

C6.0 Advanced Materials for Adsorption						
1	Z1.05	S10086	Model, Synthesis and Application of New Generation of Ultra-Microporous Carbon Sieves with Molecule Recognition Accuracy of Sub-Angstrom	Prof.	Zhou	Xin
2	Plenary Speaker 1	S10084	MOF and COF Adsorbents for Industrially and Environmentally Important Separations	Prof.	Bae	Youn-Sang
3	Z1.03	S10078	Constructing positive potential trap for efficient octafluoropropane purification by a robust aluminum-based MOF	Prof.	XIA	QIBIN
4	Y4.09	S10063	A zinc-octacarboxylate MOF with an unusual (6, 8)-connected ocu topology for high-capacity adsorptive separation of C8 alkylaromatics	Prof.	Lyu	Daofei
5	Z2.03	S10026	Synthesis of Acrylamide-derived Heteroatom-doped Activated Carbon for CO2 Adsorption	Mr	Cho	Moon-Kyung
6	Plenary Speaker 2	S10093	Porous Monoliths with Straight and Aligned Microchannels	Prof.	Mukai	Shin
7	Z2.04	S10020	High Mechanical Strength Carbonized Monolith for Rapid Water Filtration	Mr	Liu	Minghao
8	X1.04	S10081	Temperature Regulated Gas Adsorption and Gas Separation Potential of Cation-Exchanged Zeolite RHO	Dr.	Arami Niya	Arash
9	Z2.01	S10098	Removal of Aluminum (III) from Synthetic Acid Mine Drainage through Adsorption using Loose and 3D-Printed Philippine Natural Zeolite	Dr.	Eusebio	Ramon Christian
10	Z2.05	S10073	Encapsulated electron-rich CDs as Light-Heat Convertible Units by Site-specific nucleation of MOF(Cr) for efficient adsorption and photothermal desorption	Prof.	Zhao	Zhenxia
11	Z2.06	S10025	Removal of ibuprofen and paracetamol from water using blend activated carbon from paper waste and avocado seeds	Prof.	Shooto	Ntaote David
12	X1.05	S10024	Porous Carbons for Novel Zn-Anode Rechargeable Battery	Prof.	Yoshikawa	Masaaki
13	X1.02	S10010	Ambient condition-storage of high-pressure methane on graphene-valves installed porous carbons	Prof.	Kaneko	Katsumi
14	Y4.10	S10129	Fabrication and application of interlayer charge-controlled graphene nanocomposite membrane	Dr.	Wang	Zheng-Ming

Table 5: Poster Presentation

No.	Submission ID	TITLE	Salutation	Last Name	First Name	Mode
C1.0 Adsorption modelling, simulation and catalysis						
1	S10041	Competitive Adsorption of Carbon Monoxide and Carbon Dioxide on Platinum Species Supported on Cerium Dioxide – Computational Study	Prof.	Nikolova	Rositca	Poster
2	S10118	Multiscale study of dual reflux pressure swing adsorption process for CO2 capture by computational mass transfer	Prof.	Li	Wenbin	Poster
C2.0 Fundamentals of Adsorption						
1	S10134	Water Vapor Adsorption by Surface Modified Using Propanol Silica Gel and Measuring Its Capacity -	Ms.	Chuah	Mui Ling	Poster
C3.0 Synthesis of novel adsorbent and other topics						
1	S10095	Preparation of solid waste-based Zeolites and CO2 adsorption evaluation	Mr	Luo	Lei	Poster
2	S10077	Formation of Carbon Frameworks and Nano-porosities by Pyrolysis of π-Conjugated Ionic Liquids.	Mr	Seki	Toshinori	Poster
3	S10126	Surface Functionalized of Watermelon Rind Based Activated Carbon with CuN2O6 for Amoxicillin Removal: F-Test for Isotherm and Kinetic Models	Dr.	Mohamad Yusop	Mohamad Firdaus	Poster
4	S10119	Adsorption and Removal of Cs ions by Newly Synthesized Prussian Blue Embedded in Mesoporous Silica Nanofibers	Prof.	Lee	Taek Seung	Poster
5	S10013	Comparative ultramicropore analysis with positron annihilation lifetime spectroscopy (PALS) and Ar adsorption at 87 K	Mr	Kubo	Kei	Poster
6	S10038	The IUPAC universal standard archive file for adsorption data	Prof.	Silvestre – Albero	Joaquin	Poster
7	S10120	Martensitic Transition of Blue Phase Mesocrystals	Prof.	Jin	Hyeong Min	Poster

C4.0 Adsorption for Energy Related Applications						
1	S10071	Development of zirconium-based MOF with high C2H6/C2H4 selectivity via incorporation of dense methyl groups into cavity-like pores	Mr	Oh	Kwang Hyun	Poster
C5.0 Adsorption for environmental and bio-applications						
1	S10072	Discovery of highly effective metal-organic frameworks for radon removal via high throughput computational screening and experiments	Mr	Oh	Kwang Hyun	Poster
2	S10075	Covalent Organic Polymers with Amine and Triazine Functionality for CO2 Adsorption and Conversion to Cyclic Carbonates	Mr	Ryoum	Kyu-Min	Poster
3	S10091	Adsorption Equilibria and Kinetics of O2, N2, and CO2 among Binder and Binderless Zeolite LiX Pellets	Prof.	Lee	Chang-Ha	Poster
4	S10125	Oxygen-Enriched Rattan Based Activated Carbon via CuN2O6-Surface Modification for Enhanced Chloramphenicol Removal: Optimization and F-Test Study	Prof.	Ahmad	Mohd Azmier	Poster
5	S10111	Simulation and experiment of vacuum pressure swing adsorption process for CO2 capture from flue gas	Mr.	Niu	Zhaoyang	Poster
6	S10051	Hexanoyl Glycol Chitosan/Tannic Acid Thermogels: Tailorable Mechanical, Adhesive, and Biofunctional Properties for Biomedical Applications	Prof.	Cho	Woo Kyung	Poster
7	S10139	A Study on Brining Process for Regeneration of Ion Exchange Resin. Part I: Pre-Treatment And Brining	Dr.	Yeoh	Fei Yee	Poster
8	10137	Modeling and Performance Evaluation of Mercury Removal from Synthetic Sanitary Landfill Leachate using Square-pitched 3D-printed Natural Zeolite Permeable Reactive Barrier (PRB)	Dr.	Eusebio	Ramon Christian	Poster

C6.0 Advanced Materials for Adsorption						
1	S10067	A Polyzwitterionic@MOF Hydrogel with Exceptionally High Water Vapor Uptake for Efficient Atmospheric Water Harvesting	Dr.	Yan	Jian	Poster
2	S10055	Surface-modified Activated Carbon Fiber for Improving Adsorption Uptake of Dimethyl Methylphosphonate	Mr	Shin	Hanwool	Poster
3	S10032	Sorption Properties of Ethanol Molecules by Structurally Flexible Coordination Polymers (ELM-11)	Mr	Inomata	Kaito	Poster
4	S10056	Enhancement of CO2 Sorption Performance of CaO-based Adsorbent and Its Application to Hydrogen Production	Mr	Kim	Pilseok	Poster
5	S10054	Composite Adsorbent of Cu-BTC and Activated Carbon: Its Humid Air Stability and CO2 Adsorption Performance	Mr	Chae	Hyun min	Poster
6	S10028	One Pot Synthesis Of Fe3O4-Chilli Carbon Composite For The Removal Of Methylene Blue, Paracetamol, And Nickel Ions From Aqueous Solution	Dr.	Thabede	Patience	Poster
7	S10131	Carbon quantum dots as essence of hybrid carbon nanostructure for photo-induced disinfection and purified water generation	Dr.	Wang	Zheng-Min	Poster
8	S10008	PTFE Hydrophobic Surface Treatment on Endoscope Lens by Dip Coating & Spin Coating	Dr.	Yeoh	Fei Yee	Poster
9	10140	Uric Acid Adsorption by Amine Functionalized Mesoporous Silica	Dr.	Yeoh	Fei Yee	Poster