Monday 23 June 2025

Time/Date	Mayfair Ballroom A *11th Floor*	Mayfair Ballroom B *11th Floor*	Mayfair Ballroom C *11th Floor*	Jubilee Ballroom A *11th Floor*	Jubilee Ballroom B *11th Floor*	The Lounge *10th Floor*	Mulberry *10th Floor*	Kensington Ballroom A *5th Floor*
	Registration *7.30-16.00*							
09.00-09.30	**Protocal Talks**							
09.30-10.20	**Opening Ceremony**							
10.20-10.50	**BREAK**							
10.50-11.40	**PL-1: Plenary Lecture** **Humanity faces a bright future, and so Chemistry** ***Prof. Dr. Ehud Keinan*** *International Union of Pure & Applied Chemistry* Chair: Supawan Tantayanont							
11.40-12.30	**PL-2: Plenary Lecture** **Construction and Application of Self-assembled Nanostructures** ***Prof. Dr. Zhiyong Tang*** *National Center for Nanoscience and Technology, China* Chair: Chularat Wattanakit							
12.30-13.30	**LUNCH @Palladium Hall, 10th Floor**							
13.30-15.30	**AC** **Analytical Chemistry** **Chair:** *Jaroon Jakmunee* **Co-chair:** *Itthipon Jeerapan* (AC-I-050) Micromotors meet collective biosensing *Alberto Escarpa* (AC-I-049) Hyperspectral near-infrared measurements for sensitivity enhancement in analyzing thin sheet samples and identification of pearls with different cultured origins *Hoeil Chung* (AC-I-053) Theconvergence of electrochemistry and advanced materials: Paving the way for the next-generation analytical chemistry and miniaturized sustainable devices *Itthipon Jeerapan* (AC-O-007) Coupling gas chromatography–mass spectrometry with spray-assisted liquid phase microextraction for determining flibanserin in synthetic urine samples *Nursu Aylin Kasa* (AC-O-008) Combination of digital image-based colorimetric system and UV-Vis spectrophotometry for the determination of iron (III) by curcumin nanoparticle based colorimetric sensor *Nasime Ebrar Karlıdağ* (AC-O-009) MnO2 cube-like nanoparticles based dispersive solid phase extraction method for the preconcentration of cobalt ions from basil tea samples prior to flame atomic absorption spectrometry *Bedrihan Kartoğlu* (AC-O-010) Accurate measurement of selected steroid hormones using a combination of the dispersive solid phase extraction method and the quadrupole isotope dilution strategy *Neşe Ular Çağatay* (AC-O-016) Detection of tetracycline with a CRISPR/Cas12a aptasensor using a highly efficient fluorescent polystyrene microsphere reporter system *Jing Yee Bong*	**MN** **Materials Science and Nanotechnology** **Chair:** Vinich Promarak **Co-chair:** Watcharaphol Paritmongkol (MN-I-016) A simple, inexpensive and general photoluminescent sensor platform for multiple analytes *Uday Maitra* (MN-I-002) Hexagonal boron nitrides: Their applications from nanomedicine to nanophotonics *Mustafa Culha* (MN-I-048) The outstanding performance of mesoporous I-doped-g-C3N4 photocatalyst for antibiotic removal under visible-light irradiation *Juan Joon Ching* (MN-O-018) Luminescent lanthanide-containing gelatin/polydextran/laponite nanocomposite hydrogels for sensing applications *Yi-Cheun Yeh* (MN-O-038) ESIPT luminophores for high-performance transparent luminescent solar concentrators *Pattarapapa Janthakit* (IC-O-008) Discrete coordination nanochains based on photoluminescent dyes reveal intrachain exciton migration dynamics *Ryota Sakamoto*	**FA** **Food, Agriculture, and Cosmetics** **Chair:** *Sirirat Kokpol* **Co-chair:** *Wannisa Sukjee* (FA-I-013) From DNA to health & beauty Bioneer 33 yrs history of R&D and business *Han-Oh Park* (FA-I-006) Analytical approaches for GMO detection in food safety & compliance *Malarvili Ramalingam* (FA-I-012) Enhancing cosmetic efficacy: Stabilization and delivery of challenging active ingredients *Supason Wanichwecharungruang* (FA-I-005) A challenge in green-extraction product utilization of Thai herbs in cosmetic formulation *Chak Sangma* (FA-O-001) Application of photopharmacology in agrochemicals *Xusheng Shao* (FA O-002) Significance of yield and phytochemical analysis of tea plant (Camellia sinensis (L.) O. Kuntze) in different rainfall in West Java plantation *Yuditha Maiselly* (FA-O-003) From zap to map: How vibrational spectroscopy characterizes PEF-induced changes and rapidly predicts protein content in semi-refined flaxseed extract *Jervee Punzalan* (FA-O-004) Optimizing tea plant growth and total phenolic content recovery through biofertilization and fertilization strategies after drought *Nabila Wiharti*	**PT** **Physical and Theoretical Chemistry** **Chair:** *Andrew W. King* **Co-chair:** *Nawee Kungwan* (IC-I-011) Phosphorescent metal complexes for optoelectronic applications *Wai-Yeung Wong* (PT-I-022) Zeolite-based strategies for CO2 capture and methanation *Jatuporn Wittayakun* (PT-I-021) Sunlight-driven detoxification of harmful antibiotics in the environment by using metal oxide photocatalysts *Suwat Nanan* (PT-I-015) Understanding peptide self-assembly: bionanostructures and antimicrobial peptides *Seokmin Shin* (PT-I-019) Oxidative upcycling of polyethylene waste into dicarboxylic acid *Lei Huang* (PT-O-003) Lantern organic frameworks: A new 3D material concept from computer-aided design *Lam Ngugen*	**SA** **Young Career Development under FACS-ACS Collaboration** **Chair:** *Monthip Sriratana Tabucanon* **Co-chair:** Ittipat Meewan (SA-K-001) Adding value to Asia chemistry: Reflections on forty years of research, networking and mentorship *Mary Garson* (SA-I-003) Cross-cultural perspectives on becoming an outstanding scientist *Vannajan Sanghiran Lee* (SA-I-004) Your career compass: Guidelines for success and pitfalls to avoid *Siwaporn Mejoo Smith* (SA-I-002) Horizon Europe Strategic Plan 2025-2027: Unlocking opportunities for collaboration in research funding *Tatus Brotosudarmo* **Panel discussion** Exchange idea with Panelists and suggestion for young career development for future **Panelists:** *Mary Garson* *Vannajan Sanghiran Lee* *Siwaporn Meejoo Smith* *Tatus Brotosudarmo* **Moderator:** *Monthip Sriratana Tabuganon* *Ittipat Meewan*	**SD** **IMS-CU bilateral symposium for driving forward frontier research** **Chair:** *Kanet Wongravee* **Co-chair:** *Boodsarin Sawatlon* (SD-I-001) Rational engineering of high performance artificial molecular motors *Ryota Iino* (SD-I-007) Revisiting the desulfurization process via photochemical or electrochemical routes: A mild and green approach to heterocycle synthesis *Sumrit Wacharasindhu* (SD-I-003) One day about 2.2 billion years ago, cyanobacteria anticipated the timing of the next sunrise *Shuji Akiyama* (SD-I-006) Enhancing the catalytic efficiency of MOFs for cellulose hydrolysis via postsynthetic modification with chlorosulfonic acid *Preecha Kittikhunnatham* (SD-I-002) Chirality-induced spin selectivity in chiral solids *Hiroshi Yamamoto* (SD-I-005) Microwave-assisted, shape-controlled synthesis of nanoparticles: The case of iron oxide nanocubes *Wid Mekseriwattana* (SD-I-004) Molecular dynamics simulation of protein aggregation *Hisashi Okumura*	**CST and Head of Chemistry Department Meeting**	**S5** **AI in Drug Discovery Research** **Chairs:** *Pornpan Pungpo, Patchreenart Saparpakorn, Duangkamol Gleeson* (S5-K-007) Revolutionizing drug discovery: The transformative power of AI in therapeutics *David Winkler* (S5-K-004) Developing new methods for drug design and repositioning *Weiliang Zhu* (S5-I-005) Identification of USP2 dynamic pocket as a novel anticancer target *Zhijian Xu* (S5-I-001) Deep learning for identifying bioactive compounds and predicting drug synergy *Teeraphan Laomettachit* (S5-I-002) MANORAA.ai as a co-scientist for drug *Duangrudee Tanramluk* (S5-I-008) Cheminformatics-guided optimization of the antimalarial activity and physicochemical properties of 2,4-diaminopyrimidines *Mathew Paul Gleeson* (S5-I-014) Antimalarial activity prediction of enantiomeric cycloguanil analogues using extremely randomized trees and particle swarm optimized-support vector regression intelligent approaches *Luckhana Lawtrakul* (S5-I-021) Drug discovery and hit to lead optimization of potent inhibitors as antituberculosis agents *Pornpan Pungpo*
15.30-16.30	**BREAK**							
16.30-17.30	**PP-01** **Poster Presentation**							
18.00-21.00	**Welcome Reception** ***(Mayfair Grand Ballroom)***							

Tuesday 24 June 2025

Time/Date	Mayfair Ballroom A *11th Floor*	Mayfair Ballroom B *11th Floor*	Mayfair Ballroom C *11th Floor*	Jubilee Ballroom A *11th Floor*	Jubilee Ballroom B *11th Floor*	The Lounge *10th Floor*	Mulberry *10th Floor*	Board room *10th Floor*
	Registration *8.00-16.00*							
09.00-09.50	**PL-8: Plenary Lecture** **Empowering Teachers, Inspiring Youth: Driving Sustainability through Innovative Small-Scale Chemistry in South Asia and ASEAN** ***Prof. Dr. Supawan Tantayanont*** *Chulalongkorn University, Thailand* Chair: Tirayut Vilaivan							
09.50-10.30	**BREAK**							
10.30-12.30	**AC** **Analytical Chemistry** **Chair:** *Jaroon Jakmunee* **Co-chair:** *Anchalee Samphao* (AC-I-046) ι-Hydroxybutyric acid detection using a colorimetric sensor and graphene field-effect transistor (GFET) sensor *Oh Seok Kwon* (AC-I-047) Non-enzymatic detection of glucose, and glucose-ketone rasio (GKR) via formation of silver nanoparticles and iron-acetate complexes on paper-based analytical devices *Akhmad Sabarudin* (AC-I-048) New strategies for electrochemical detection of cancer biomarkers *Kontad Ounnunka* (AC-O-013) Synthesis of SiO2@TiO2@rGO@Fe3O4 nanocomposites using silica nanoparticles prepared from rice husk and development of a magnetic dispersive solid phase extraction method for the determination of cadmium ions *Hilal Akbiyik* (AC-O-017) Cadmium removal from aqueous solutions with magnetite based covalent organic frameworks: adsorption kinetics and isotherm studies *Selim Gürsoy* (AC-O-019) Determination of inorganic pollutants at trace levels in Antarctic region with accurate and sensitive analytical methods *Buse Tuğba Zaman* (AC-O-022) Determination of zinc, cadmium, lead and copper in the acetic acid extract of plastic utensils for food by square wave anodic stripping voltammetric method *Chanakarn Chucheepchuenkamol*	**MN** **Materials Science and Nanotechnology** **Chair:** *Mustafa Culha* **Co-chair:** *Uday Maitra* (MN-I-051) Impact of nanomaterials on membrane performance enhancement *Mustafa Ersöz* (MN-I-031) Optimization of the electrophoretic deposition process of recycled ɣ-alumina coating on titanium for biomedical applications *Fitri Khoerunnisa* (MN-O-023) Tailoring crystallization in metal organochalcogenide semiconductors: From large structures to nanocrystals *Watcharaphol Paritmongkol* (MN-O-044) Chelation-free silica sensors for mercury detection and removal *Thanudkit Jitjaroendee* (MN-O-012) Enhancement of electrocatalytic properties of Au/poly(3,4-ethylenedioxythiophene) hybrid materials by simultaneous Au electrodeposition with electrochemical *Tomoyuki Kurioka* (MN-O-004) A dual-mode biosensor with CeO2 nanozyme mediation for RPA/CRISPR-Cas12a detection of Salmonella bacteria *Minhaz Uddin Ahmed*	**S9** **Ryoji Noyori ACES Awards Symposium** **Chair:** *Uday Maitra* **Prof. Ryoji Noyori (a short video) about the Ryoji Noyori ACES Award Symposium, 20th years of ACES and Chemistry – An Asian Journal, and congratulation message to the ACES award winner** (S9-I-003) Transition metal enolate chemistry: Past, present, and future *Mikiko Sodeoka* (S9-I-001) Synthesis with boron at the helm *Varinder Aggarwal* (S9-I-002) Developing new synthetic methodologies of dearomatization reactions *Shu-Li You*	**PT** **Physical and Theoretical Chemistry** **Chair:** *Nawee Kungwan* **Co-chair:** *Andrew W. King* (PT-K-020) Chiral Molecules and Solids for Spintronics *Hiroshi Yamamoto* (PT-I-026) The Thailand Public Energy Materials Database 2.0 (TPEM 2.0) for catalyst and energy materials design *Supareak Praserthdam* (PT-I-017) Mechanistic study of thioester hydrolysis catalyzed by boric acid and its derivatives *Manussada Ratanasak* (PT-I-018) Software development and application for material design based on the statistical mechanics theory of liquids *Norio Yoshida* (PT-I-023) Understanding 3d transition metal carbonyl bonding from multistate coupling *Kaito Takahashi*	**S2** **Catalytic Systems for Contemporary Challenges** **Chairs:** *Alexander Kuhn & Chularat Wattanakit* (S2-K-029) Catalysisat interfaces: Atom-efficient metal catalysts based on single atoms, clusters and nanoparticles *Emiel Hensen* (S2-I-032) Histidine stabilization for supported metal nanoparticles: a simple trick for a big problem in thermal catalysis *Alex C. K. Yip* (S2-I-018) Nickel phyllosilicate catalyst derived from bagasse fly ash for H2 production via dry reforming of methane *Sanchai Kuboon* (S2-I-026) Rational design of zeolite-based catalysts for industrially relevant chemical processes *Ma Cristina Martínez Sánchez* (S2-O-009) Direct catalytic conversion of xylose into furfuryl alcohol over bifunctional acid-nickel porous carbon catalysts *Piyamit Toumsri*	**SE** **Unlocking the Power of Nature: Cutting-Edge Applications of Natural Products, Biological Chemistry, and Chemical Biology** **Chair:** *Priyani Paranagama* **Co-chair:** *Suranga Wickramarachchi* (SE-K-017) Scientific insights into indigenous formulations: A pathway to natural therapies for obesity, diabetes, hypertension, and oxidative stress *Priyani Paranagama* (SE-K-018) Plants as the source of renewable chemicals for a sustainable society: Applications in advanced functional material, drug delivery and cancer therapy *Braja Gopal Bag* (SE-K-019) Environmental toxins and heavy metal exposure: Unraveling risk factors for chronic kidney disease of unknown etiology (CKDu) in endemic regions *Janitha Liyanage* (SE-I-011) Cinnamon bark oil-based gelatin-chitosan composite films for active food packaging application *Suranga Wickramarachchi* (SE-I-012) Toxic metals and their availability to paddy (Oryza sativa) plants via inorganic fertilizers: A study in a CKDu hotspot in the north central province in Sri Lanka *Jeewantha Premarathna* (SE-I-013) Absorption of selected pesticide residues during cooking by Murraya koenigii *Thelma Abeshinghe*	**SC** **Sustainable chemistry Focusing on Clean energy Good Health and Well-Being (Thailand-Taiwan)** **Chair:** *Suwadee Kongparakul* **Co-chair:** *Shuchen Hsieh* (SC-I-009) Electrolyte additives for enhanced performance in lithium-ion batteries *Jyh-Tsung Lee* (SC-I-008) Durable anode electrocatalysts through acidic redox-assisted deposition for seawater electrolysis *Chun-Hu Chen* (SC-I-003) Homogeneous catalysis by coordination complexes of mismatched donor-acceptor pairs *Lan-Chang Liang* (SC-I-006) Approaches to the design of oxygen-tolerant electrocatalysts for hydrogen evolution reaction *Vincent Wang* (SC-O-001) Enhancing ionic conductivity in LiFePO4 composite cathodes for solid-state batteries through dispersed LLZTO *Jaturon Kumchompoo* (SC-O-004) Enhanced electrochemical performance of NiTiO3 via NaBH4 reduction for supercapacitor applications *Nareekam Meebua* (SC-O-005) Exploring sulfonamide-modified phytocannabinoids for anti-inflammatory leads: A computational study *Panichakorn Jaiyong* (SC-O-002) DNA aptamer (LepDapt) against Lpt32 as a potential diagnostic agent for detection of Leptospira *Tri Cao Vu*	**FACS EXCO meeting**
12.30-13.30	**LUNCH @Palladium Hall, 10th Floor**							
13.30-15.30	**AC** **Analytical Chemistry** **Chair:** *Itthipon Jeerapan* **Co-chair:** *Akhmad Sabarudin* (AC-I-052) Power of analytical chemistry to solve the environmental and health problems *Sezgin Bakýrdere* (AC-I-044) Electrochemical paper-based analytical devices for the determination of nitrite, nitrate and nitrosamine *Anchalee Samphao* (AC-I-051) Electrochemical biosensors for rapid detection in HCV quantification and cancer status determination *Benchaporn Lertanantawong* (AC-O-025) Hydrothermal synthesis of bismuth ferrite nanoparticles for the determination of copper in grape leaf samples *Tuğçe Unutkan Gösterişli* (AC-O-027) Trace determination of cadmium in cinnamon tea samples using waste toner particles based dispersive solid phase extraction *Hakan Serbest* (AC-O-042) HPTLC-derived database for phenolic compound identification in honey: Development and application *Ivan Lozada Lawag* (AC-O-041) Development of biopolymer-based artificial antibodies for analytical applications *Aziz Amine*	**MN** **Materials Science and Nanotechnology** **Chair:** *Juan Joon Ching* **Co-chair:** *Vinich Promarak* (MN-I-028) Plasma bio-engineering: Advancing biomimetic devices, biofabrication, and nanomedicine *Behnam Akhavan* (MN-I-052) Tailoring morphology and electronic properties in nanostructured alloy-chalcogenides: A paradigm for sustainable photo-catalysis *Kalyanjyoti Deori* (MN-O-010) MOF-NP interface control for catalytic selectivity regulation *Lien-Yang Chou* (MN-O-001) Rare earth metal promoters (La, Ce, Nd, Sm) on nickel-supported Al2O3 catalysts for ammonia decomposition *M. Nasiruzzaman Shaikh* (MN-O-019) Electrophoretic deposition of nano catalysts on carbon substrates as an enhanced electrode for manganese/iron flow batteries *Barun Kumar Chakrabarti* (MN-O-020) Effect of deposition cycles on the catalytic activity of atomic-size gold-modified polyaniline analogues for low alcohol oxidation *Keisuke Okamoto* (IC-I-027) Sustainable synthesis of heteroarenes via heterogeneous (photo)catalyzed C–H bond functionalization *Önder Metin*	**S9** **Ryoji Noyori ACES Awards Symposium** **Chair:** *Uday Maitra* (S9-I-007) Exo-selective intramolecular (4+3) cycloadditions of epoxy enolsilanes *Pauline Chiu* (S9-I-004) Spin states matter - fundamentals, applications and translation to drug discovery *Rene M. Königs* (S9-I-005) Stereodivergence in catalytic asymmetric conjugate additions *Sarah Yunmi Lee* (S9-I-006) Multifunctional chemical biology tools: Advances in synthetic strategies for small molecules and bioconjugates *Yen-Chun Lee* **Closing remarks** *Dinesh Talwar*, EiC, Chemistry – An Asian Journal	**PT** **Physical and Theoretical Chemistry** **Chair:** *Supareak Praserthdam* **Co-chair:** *Nawee Kungwan* (PT-K-012) A novel enzymatic reaction mechanism analysis method using QM/MM MD *Yasuteru Shigeta* (PT-K-004) GenAI for autonomous chemistry labs *Deva Priyakumar* (PT-I-027) Machine learning-based QSAR application on ebsulfur and ebselen derivatives for SAR-CoV-2 main targeting for COVID-19 *Phornpimon Maitarad* (PT-I-024) Rational design of 2D materials for hydrogen storage: Tuning metal-adsorbate interactions via defect engineering *Suwit Suthirakun*	**S2** **Catalytic Systems for Contemporary Challenges** **Chairs:** *Emiel Hensen & Supawadee Namuangruk* (S2-K-028) Magnetic field-assisted, environmentally friendly catalytic CO2 conversion to value-added chemicals for responsible chemical processes *Metta Chareonpanich* (S2-I-030) Biopolymer-stabilized gold nanoparticles for the organic transformation catalyst *Hidehiro Sakurai* (S2-I-031) Gallium based catalysts for selective chemical synthesis *Sarina Sarina* (S2-I-002) Catalyst design for acceleration of unconventional electro-assisted molecular conversions: beyond the thermodynamic equilibrium limit *Shinya Furukawa* (S2-O-007) Ruthenium catalyzed additive-free N-formylation of amines with CO2 and H2: exploring carbon neutral hydrogen cycle *Indranil Dutta* (S2-O-003) Novel nickel phosphite/NHC precatalysts for cross coupling reactions under mild conditions *Scott Stewart*	**SE** **Unlocking the Power of Nature: Cutting-Edge Applications of Natural Products, Biological Chemistry, and Chemical Biology** **Chair:** *Priyani Paranagama* **Co-chair:** *Suranga Wickramarachchi* (SE-I-014) Exploring the therapeutic potential of Dialium ovoideum Thwaites *Dinusha Udukala* (SE-I-015) Appraisal of toxic metal contamination of agricultural soil and food in upcountry and CKDu-endemic lowland regions of Sri Lanka *Ruwan Perera* (SE-I-016) Biochar surface functionality as affected by acid-base modifications: FTIR-based principal component *Rasmal Gunathilake* (SE-O-010) Synthesis, in vitro and in silico evaluation of alpha-amylase and alpha-glucosidase inhibitory activities of 2-phenyl-3H-quinazoline-4-one derivatives as novel anti-diabetic agents and their kinetic activities *Swapna Pathirana* (SE-O-001) Evaluation of antioxidant, anti-inflammatory and antimicrobial effects of Rohansekaash Lepaya; Ayurveda herbal medicine *Dilmi Chathumika* (SE-O-020) Growth inhibition of aflatoxigenic Aspergillus spp. in stored rice by cinnamon bark oil-chitosan microcapsules and detection of aflatoxins in untreated rice by thin layer chromatography *K.D.C. Shivanthini* (SE-O-002) Preliminary investigation of kshara powder of Erythrina variegata used in Ayurveda *Aruni Alwis* (SE-O-003) Preparation and bioactivity of indigenous formula used as hair care oil *Waruna Weerasekara* (SE-O-008) Potent insulin secretagogues from traditionally used medicinal plants *Achyut Adhikari* (SE-O-004) Ferritin and ferritin-sfGFP based nanoparticles for metalloenzyme scaffold engineering and characterization of protein modification activity *Yane-Shih Wang*	**SG** **Sustainable Chemistry for Agricultural Residue Valorization** **Chair:** *Kuntawit Witthayolankowit* **Co-chair:** *Sunisa Akkarasamiyo* (SG-K-005) Lignin valorization: From academic findings to commercializations *Joseph S.M. Samec* (SG-I-004) Biomass-to-coating innovation: Eco-friendly solutions from palm residue valorization *Duangamol N. Tungasmita* (SG-I-002) Potential sources for valorization of agricultural wastes from economic crops in the lower central region of Thailand *Punlop Kuntiyong* (SG-I-003) Lignin as a biofunctional material: Multidisciplinary approaches in lignin valorization *Pernikar Srifa* (SG-I-001) Furfural production from raw biomass using formic acid as a solvent and catalyst: Optimization and extraction methods *Kritsana Namhaed* (SG-I-006) Net-negative goals and clean energy transition: The role of green hydrogen in CO2 refineries, waste plastic and biomass valorization *Ganapati D. Yadav*	**FACS EXCO meeting**
15.30-16.00	**BREAK**							
16.00-16.50	**PL-4: Plenary Lecture** **Translational Chemical Biology** ***Prof. Dr. Xiaoguang Lei*** *Peking University, China* Chair: Chanat Aonbangkhen							
16.50-18.00	**PP-02** **Poster Presentation** *(with refreshments)*							

Wednesday 25 June 2025

Time/Date	Mayfair Ballroom A *11th Floor*	Mayfair Ballroom B *11th Floor*	Mayfair Ballroom C *11th Floor*	Jubilee Ballroom A *11th Floor*	Jubilee Ballroom B *11th Floor*	The Lounge *10th Floor*	Mulberry *10th Floor*	Board room *10th Floor*
	Registration *8.00-16.00*							
09.00-09.50	**PL-5: Plenary Lecture** **Sustainability and Homogeneous Catalysis of Organic Reactions: Aspects of Nickel, Copper, Silver and Gold** ***Prof. Dr. A. Stephen K. Hashmi*** *Heidelberg University, Germany* Chair: Supawadee Kiattisevi							
09.50-10.30	**BREAK**							
10.30-12.30	**PC** **Polymers and Bio-based Materials** **Chair:** ***Suwabun Chirachanchai*** **Co-chair:** ***Huaizhong Xu*** (PC-I-027) Development of high-performance biodegradable biomass plastics and their deep-sea biodegradability *Tadahisa Iwata* (PC-O-028) Development and evaluation of enzyme-embedded biodegradable plastics for enhanced environmental degradation *Qiuyuan HUANG* (PC-O-026) Controllable thermoplasticity and biodegradability of low-substituted cellulose acetate with PLA graft copolymers *Jin Ho Seok* (PC-O-020) Biochemical and structural characterization of lignin from Trema orientalis and Trewia nudiflora for biorefinery applications *Md Sarwar Jahan* **Chair:** ***Tadahisa Iwata*** **Co-chair:** ***Qiuyuan Huang*** (PC-O-015) Catalytic lignin-arylated fractionation of hemp shives using a biobased nucleophile *Avinash Pai* (PC-O-013) A woody composite from arylated lignin and cellulose via one-step fractionation *Shida Zuo* (PC-O-024) Synthesis and characterization of bio-based non-isocyanate polyurethane foam from oil-based polyol with lignin-derivatives for flame-retardant properties *Thanyarat Pakawe* (PC-O-014) Flame-retardant coating prepared from prehydrolysis liquors *Lars Schick*	**NB** **Natural Products, Biological Chemistry and Chemical Biology** **Chair:** ***Prasat Kittakoop*** **Co-chair:** ***Chanat Aonbangkhen*** (NB-I-014) A game of terpenes: Structure, stereochemistry and biosynthesis of terpenoids from marine animals *Mary Garson* (NB-I-040) Antiviral and virucidal natural products against SARS-CoV-2, influenza A virus (H1N1), HSV-2, and enterovirus 71 *Prasat Kittakoop* (NB-I-039) Elucidating the biosynthesis of menisporopsin A, a fungal macrocyclic polylactone *Pakorn Wattana-Amorn* (NB-O-007) Lignans and phenolic compounds from the whole plant of Balanophora fungosa with DPPH radical scavenging activity and α-glucosidase inhibitory activity *Thang Truong* (NB-O-010) Semi-synthesis and biological evaluation of dimethylcardamonin (DMC) derivatives as a potential agent against cervical cancer cells *Padchanee Sangthong* (NB-O-036) Peptidyl liposome for trigger-responsive liposomal delivery *Hsien-Ming Lee*	**OM** **Organic Synthesis and Medicinal Chemistry** **Chair:** ***Worawan Bhanthumnavin*** **Co-chair:** ***Paiboon Ngernmeesri*** (OM-I-031) One-pot synthesis of dibenzo[b,f]oxepines: Applications to the synthesis of anticancer pacharin, bauhiniastatin 4, bauhinoxepins C and D *Paiboon Ngernmeesri* (OM-O-009) Total synthesis of lobatamides *Soichiro Yasui* (OM-O-021) Synthesis of natural and unnatural products through selective coupling *Roderick Bates* (OM-O-038) Molecular reconstruction with stereochemical relay: An investigation into the rearrangement of spiro[4.5]decadienone to benzoxepane *Satapanawat Sitthan* (OM-O-042) Total synthesis of tilivalline *Tun-Cheng Chien*	**S3** **Advanced Coordination Materials and Catalysis for Environment** **Chair:** ***Michel Wong Chi Man*** **Co-chair:** ***Nobuto Yoshinari*** (S3-K-001) Redox-neutral approaches to organo-phosphinates and phosphates: Cross-metathesis and phosphate activation strategies *Jan J. Weigand* (S3-I-005) Direct conversion of n-alkanes to alkylidynes on diruthenium complexes at ambient temperature *Yi-Chou Tsai* (S3-I-007) Reactions of HMF, FDCA, and BHMF *Ekasith Somsook* (S3-I-004) Single-ion conducting borate network polymer electrolytes for lithium metal battery applications *Dong-Myeong Shin*	**S2** **Catalytic Systems for Contemporary Challenges** **Chairs:** ***Shinya Furukawa & Chularat Wattanakit*** (S2-K-021) Targeted design of janus particles for improved photocatalytic hydrogen evolution *Alexander Kuhn* (S2-I-024) Preparation of Janus particles by bipolar electrochemistry at the water-organic interface *Lin Zhang* (S2-I-004) Miniaturized wireless electrochemical flow reactor for complex tasks *Serena Arnaboldi* (S2-I-025) Understanding the role of copper-based materials in electrochemical applications *Kamonwad Ngamchuea* (S2-I-027) Advances in tailored functional nanomaterials on microfluidic paper-based devices for optical sensing innovations *Purim Jarujamrus* (S2-O-008) Wireless flux reactors for asymmetric electrosynthesis using green chiral media *Sara Grecchi*	**CE** **Chemistry for Energy and Environment** **Chair:** ***Metta Chareonpanich*** **Co-chair:** ***Waleeporn Donphai*** (CE-I-019) Activation and deactivation of Fe-Al composite materials for production of turquoise hydrogen and nanostructure carbon *Shih-Yuan Chen* (CE-I-021) Alkaline earth oxide-modified palladium catalysts for the highly selective partial hydrogenation of BDF fuel *Apanee Luengnaruemitchai* (CE-O-015) Oxidative valorization of spruce bark to yield vanillin *Suthawan Muangmeesri* (CE-O-017) Selective recovery of Mo, V, and Ni from waste inorganic resources, using ionic liquids and deep eutectic solvents *Simon Jung* (CE-O-013) Gallium-based metal-organic framework for the adsorption treatment of Per- and poly-fluoroalkyl substances *Devi Govindaraj* (CE-O-031) Ecological risk assessment and pollution study of the lifeline river adjacent to the megacity Chattogram, Bangladesh *Muhammad Ali*	**S6** **Advances in Nutraceutical Chemistry Shaping the Future of Disease Prevention in Asia** **Chair:** ***Yodchai Tangjaideborisut*** **Co-chair:** ***Kampol Poophawatanakij*** (S6-K-014) Buying health on the shelf: New life-changing healthy products in stores 2025 *Kampol Poophawattanakij* (S6-I-006) Branding value in health products *Jakraphan Punyapapha* (S6-I-007) Nutraceutical market in practice in Vietnam presented *Nguyen Dinh Trung & Yodchai Tangjaideborisut*	**ACES board meeting**
12.30-13.30	**LUNCH @Palladium Hall, 10th Floor**							
13.30-15.30	**PC** **Polymers and Bio-based Materials** **Chair:** ***Makoto Takafuji*** **Co-chair:** ***Tulay Inan*** (PC-I-032) Melt electrowriting 3D printing of biobased polymers *Huaizhong Xu* (PC-O-005) Novel endolysin treatment with PVA produced by electrospinning for potential antibacterial *Jian-Jhou Chen* (PC-O-006) Structure regulation of polydextran-based hydrogel by monk fruit saponin: Surmount the dilemma between the stability of hydrogel and bacteriophage release *Reuben Wang* (PC-O-003) Optimizing superabsorbent hydrogel-biochar composites synthesis as efficient water-retention agent *Cindy Tan* **Chair:** ***Tadahisa Iwata*** **Co-chair:** ***Qiuyuan HUANG*** (PC-O-008) 1 ppm-detectable hydrogen gas sensor based on nanostructured polyaniline *Salimgerey Adilov* (PC-O-019) Zirconium-based MOF/corncob-derived biopolymer composite for enhancing biogas purification *Boonyawee Saengsawang* (PC-O-025) Areca to eureka: utilization of areca husk for sustainable packaging and construction in a circular bioeconomy *Girija Vedamurthy* (PC-O-016) Preparation of multifunctional composites for electromagnetic interference (EMI) shielding applications using CuO modified MXene and forestry wastes *Tulay Inan* (PC-O-011) Stimuli-responsive fluorochromic polymer nanoparticles with polycyclic aromatic backbone *Makoto Takafuji*	**FE** **Future in Chemical Education** **Chair:** ***Usa Jeenjenkit*** **Co-chair:** ***Narisra Komalawardhana*** (FE-I-009) Simple synthesis of gold nanoparticles (AuNPs) from gold leaf by electrolysis *Ekasith Somsook* (FE-I-008) Online methods in chemical education: The revolution is here *Roderick Bates* (FE-I-010) Integrating chemistry education with sustainable development goals: A bio-circular-green economy approach *Chatree Faikhamta* (FE-I-012) Integrating research into teaching and vice versa *Junming Ho* (FE-I-011) Development of chemistry education research (CER) as a field of inquiry and current status of CER in the world *Mustafa Sözbilir* (FE-I-011) A brief introduction to Chemistry Teacher International (CTI) *Mustafa Sözbilir*	**OM** **Organic Synthesis and Medicinal Chemistry** **Chair:** ***Worawan Bhanthumnavin*** **Co-chair:** ***Panuwat Padungros*** (OM-I-033) Conformational constraint in organic & bioorganic chemistry *Minoru Isobe* (OM-O-013) Coupling reactions in water using palladium catalysts covalently tethered on a thermo-responsive polymer *Noriyuki Suzuki* (OM-O-017) Skeletal editing of benzimidazole-based NHCs to quinoxalines by carbon atom insertion *Yumiko Suzuki* (OM-O-034) On-water accelerated sulfenylation of indole derivatives under visible-light irradiation *Seunghoon Shin* (OM-O-059) Molybdenum-catalyzed metathesis dimerization/desymmetrization of Cs-symmetric divinylferrocenes *Kakeru Masaoka* (OM-O-058) Unexpected six-membered ring formation during in situ halogenation of scortechinone D using oxone and sodium halide *Ade Danova*	**S3** **Advanced Coordination Materials and Catalysis for Environment** **Chair:** ***Jan J. Weigand*** **Co-chair:** ***Dong-Myeong Shin*** (S3-K-008) Catalysis for the environment: Sustainability for the chemical industry *A. Stephen K. Hashmi* (S3-I-003) Development of supramolecular frameworks of metal-organic carboxylates *Nobuto Yoshinari* (S3-I-010) Silsesquioxane materials: Application to catalysis and to nanomedical fields *Michel Wong Chi Man* (S3-I-009) Silsesquioxanes-based functional materials for sustainable development *Hongzhi Liu* (S3-O-002) Metal-acetylide frameworks: Synthesis, characterization, and optical and catalytic properties *Linli Xu*	**S2** **Catalytic Systems for Contemporary Challenges** Chairs: *Günther Rupprechter & Thidarat Imyen* (S2-K-023) Tailoring nanocatalysts for CO2 upcycling *Jun Huang* (S2-K-022) Tackling challenges in catalysis: surface science, in situ microscopy and waste valorization *Günther Rupprechter* (S2-I-020) Towards ultrahigh osmotic energy harvesting by MOF and COF based ionic diode membranes *Li-Hsien Yeh* (S2-O-013) Selective imine synthesis by supported Ag nanoparticle catalyst modified with basic polyoxometalate *Shoji Fukuda* (S2-O-014) Tailoring metal-organic frameworks for enhanced ammonia production through non-thermal plasma catalysis *Tatchamapan Yoskamtorn*	**S1** **Thailand-Japan Bilateral Symposium: Advancing Synchrotron Science through Experimental and Computational Chemistry Synergy** Chairs: *Seiji Mori & Panida Surawatanawong* (S1-I-006) Introduction to the Thailand-Japan Bilateral Symposium: Advancing Synchrotron Science through Experimental and Computational Chemistry Synergy *Seiji Mori* (S1-K-004) X-ray absorption spectroscopy: The state-of-the-art synchrotron-based characterization for energy materials *Pinit Kidkhunthod* (S1-I-012) Nickel or palladium-catalyzed decarbonylative transformations of acyl fluorides and Chlorides *Yasushi Nishihara* **Break (14.15-14.20)** (S1-I-018) Mechanistic insights into C-F bond activation and N-heterocycle functionalization by metal-ligand cooperative catalysts: distinct bonding interactions *Panida Surawatanawong* (S1-I-013) Pd-catalyzed synthesis of allenes: experimental observations and theoretical rationale *Masamichi Ogasawara* (S1-I-010) Towards sustainable energy solutions: Novel materials and architectures for zinc-air batteries *Soorathep Kheawhom* (S1-I-011) Nano-structured heterogeneous catalysts for organic syntheses *Yoichi M. A. Yamada*	**S6** **Advances in Nutraceutical Chemistry Shaping the Future of Disease Prevention in Asia** **Chair:** ***Yodchai Tangjaideborisut*** **Co-chair:** ***Kampol Poophawatanakij*** (S6-I-008) A functional nutraceutical for appetite stimulation and gut health in companion animals- MEWLICIOUS *Karsidete Teeranitayatarn* (S6-I-008) Microwave-assisted biosynthesis of quercetin-stabilized gold nanoparticles with enhanced antibacterial and catalytic properties *Supakorn Boonyuen* (S6-I-010) Anthocyanin rich-berry extracts coated magnetic Fe3O4 bionanocomposites and their antibacterial activity *Pariya Na Nakorn* (S6-I-011) Green synthesis of silver and gold nanoparticles using Oroxylum indicum plant extract for catalytic and antimicrobial activity *Paramasivam Shanmugam* (S6-I-012) Plant waste as a silver nano catalyst: Assessing their application in bioremediation *Methivathani Kandiah* (S6-O-017) Evaluation of the antioxidant and antibacterial activities of the crude extract of Rhinacanthus nasutus *Bongkochawan Pakamwong* (S6-O-001) Eco-friendly fabrication of copper oxide nanoparticles via Azadirachta indica and Curcuma longa extracts: Unlocking potent antibacterial potential *Ghulam Mustafa Kamal* (S6-K-013) The role of natural and organic ingredients as emerging nutrition trends *Natphasuth Patthirasinsir* (S6-K-015) Nano-enhanced nutraceuticals: Pioneering solutions for next-generation preventive healthcare *Urachit Ruktanonchai*	**ACES board meeting**
15.30-16.00	**BREAK**							
16.00-16.50	**PL-6: Plenary Lecture** **Enzyme Catalysis for Green Synthesis** ***Prof. Dr. Pimchai Chaiyen*** *VISTEC, Thailand* Chair: Purim Jarujamrus							
17.00-21.00	**Congress Dinner (17.00-21.00)** ***Chaophraya River Cruise*** *(ticket only)*							

Thursday 26 June 2025

Time/Date	Mayfair Ballroom A *11th Floor*	Mayfair Ballroom B *11th Floor*	Mayfair Ballroom C *11th Floor*	Jubilee Ballroom A *11th Floor*	Jubilee Ballroom B *11th Floor*	The Lounge *10th Floor*	Mulberry *10th Floor*
				Registration *8.00-16.00*			
09.00-09.50	**PL-7: Plenary Lecture** **Nanoengineered Materials and Coatings for Medicine and Beyond** ***Prof. Dr. Krasimir Vasilev*** *Flinders University, Australia* Chair: Ekasith Somsook						
09.50-10.30	**BREAK**						
10.30-12.30	**CE** **Chemistry for Energy and Environment** **Chair:** ***Metta Chareonpanich*** **Co-chair:** ***Waleeporn Donphai*** (CE-I-007) Organometallic polymers and their applications in solar energy conversion *Miao Zhang* (CE-I-020) Surface and interfacial dynamics in energy materials *Yan-Gu Lin* (CE-O-012) Sustainable production of functional activated carbons derived from biomass: Assessment for energy storage and greenhouse gas (GHG) emission *Sopon Butcha* (CE-O-024) The effect of the carbon-to-silica template mass ratio on the performance of mesoporous carbon derived from banana peel as a supercapacitor *Dinda Prastika Nabila Nahda* (CE-O-033) ZnCl2-activated porous biochar from fast-growing flowering plant, Wolffia as lithium-ion batteries anode materials *Thammanoon Kapanya* (CE-O-025) Optimization of ammonia fuel cells using two dimensional NiFe-MOF/NF as electrodes *Eunike Heryanto*		**IC** **Inorganic Chemistry** **Chair:** ***David Harding*** **Co-chair:** ***Ekasith Somsook*** (IC-O-002) Ru(II)/diphosphine-naphthoquinone complexes as anticancer agents *Alzir Azzevedo Batista* (IC-O-020) A robust C3-symmetric aluminate hydride for CO2 hydroboration catalysis: Mechanistic insights and counter-cation influence on catalytic performance *Satawat Tongdee* (IC-O-014) Synthesis of polyesters using +2 and +3 metal complexes *Khamphee Phomphrai*	**S8** **Green Chemistry; Paving the Way to a Sustainable Future** **Chair:** ***Yoshito Andou*** **Co-chair:** ***Jacqueline Lease*** (S8-K-002) Sustainability based on green chemistry of novel domino reactions *Reuben Jih-Ru Hwu* (S8-I-021) Environmental benign materials through ligno-cellulose *Yoshito Andou* (S8-I-022) Sustainable esterification technique for bio-based cellulose esters *Jacqueline Lease* (S8-I-023) Recent Advances in the catalytic conversion of bioethanol to green chemicals over heterogeneous catalysts *Bunjerd Jongsomjit* (S8-I-012) Next-gen molecular design: Integrating quantum computing, AI, computer-aided molecular design (CAMD) and blockchain for a sustainable future in healthcare, energy, and the environment *Vannajan Lee* (S8-I-011) Magnetic duckweed-derived adsorbent for efficient methylene blue removal: A green and cost-effective approach *Alvin Zheng*	**S4** **Understanding and Development to Address the PFAS Problems in Thailand for Sustainable Environment** **09.20-12.00** **Chair:** ***Chongrak Polprasert*** **Co-chairs:** ***Suratsawadee Sukeesan & Amornpon Changsuphan*** Understanding and development to address the PFAS problems in Thailand for sustainable environment *Nudjarin Ramungul* Unveiling the PFAS footprint: Environmental, dietary, and human exposure in Thailand *Tawit Suriyo* Trends and challenges in treatment approaches for PFAS contamination in the environment *Pitchaya Piyaviriyakul* Approaches to PFASs laboratory development in The Department of Science Service *Angkhana Khachonwongwattana* **Group discussion** Urgent need to address the "PFAS problem" by improving PFAS testing to an accredited PFAS laboratory **Panelists:** *Chongrak Polprasert* *Nudjarin Ramungul* *Suratsawadee Sukeesan* *Narin Boontanon* **Moderator:** *Amornpon Changsuphan*	**S1** **Thailand-Japan Bilateral Symposium: Advancing Synchrotron Science through Experimental and Computational Chemistry Synergy** **Chairs:** ***Siriporn Jungsuttiwong & Yoichi M. A. Yamada*** (S1-K-020) A novel reaction path-based method for chemical reaction analysis: reaction space projector and natural reaction orbitals *Tetsuya Taketsugu* (S1-I-015) Characterisation of various materials using XAFS spectra at Photon Factory *Hitoshi Abe* (S1-I-016) Structural isomerization and molecular adsorption properties of ligand-protected metal clusters studied by XAFS *Kei Murata* (S1-I-005) Red light uncaging reactions of organorhodium phthalocyanine complexes: experimental and theoretical insights *Kei Murata* (S1-I-008) Reaction mechanism and catalyst design of transition metal complexes *Jun-ya Hasegawa* (S1-O-001) In-situ QXAFS study of CO2 adsorption behavior on Nb and Ta heteropolyoxometalate *Nattamon Panichakul*	**SS** **Science Projects for Students Showcase**
12.30-13.30	**LUNCH @Palladium Hall, 10th Floor**						
13.30-15.30	**CE** **Chemistry for Energy and Environment** **Chair:** ***Metta Chareonpanich*** **Co-chair:** ***Waleeporn Donphai*** (CE-I-005) Photoreforming of lignocellulose over single-atom Fe dispersed polymeric carbon nitride homojunctions *Can Xue* (CE-O-010) Novel Bi-based nanocomposites for efficient photocatalytic CO2 reduction and pollutant degradation *Dmitry Selishchev* (CE-O-014) Development of Ni-based electrocatalysts by Fe doping and carbon nanotubes coating for urea oxidation reaction *Natthakrit Montri* (CE-O-034) Oxygen harvesting waste derived carbon dots as photocatalysts for the oxidative synthesis of quinazolinones *Bidyutjyoti Dutta* (IE-O-004) Development of CO2 capture technology using phosphonium amino acid ionic liquids (PAA-ILs) as a green absorbent for enhanced absorption efficiency *Shakila Akter*	**US** **Future Chemistry Research Presentation for High School Students**	**IC** **Inorganic Chemistry** **Chair:** **Ekasith Somsook** (IC-I-023) Symmetry-breaking and polymorphism in iron(III) spin crossover complexes *David Harding* (IC-I-026) Azo-coupling chemistry in a flow *Ling-Kang Liu* (IC-O-007) Voltammetric behavior of Keggin-type vanadium-containing polyoxometalates: Redox sites and redox kinetics *Tadaharu Ueda* (IC-O-010) Insight into the delocalization of excited states in isomorphous palladium(II) and platinum(II) one-dimensional chains *Masaki Yoshida* (IC-O-019) Tunable metal-free imidazole-benzimidazole-based electrocatalysts for oxygen reduction reaction (ORR) in water *Narisara Tanjedrew*	**S8** **Green Chemistry; Paving the Way to a Sustainable Future** **Chair:** ***Yoshito Andou*** **Co-chair:** ***Jacqueline Lease*** (S8-O-020) Data-driven strategies for accelerated MOFs design and synthesis *Hongyi Gao* (S8-O-010) Kinetic model analysis and response surface methodology optimization in citronella extraction using microwave hydrodistillation and solvent-free microwave *Patar Sipahutar* (S8-O-009) Photocatalytic non-oxidative coupling of methane over Ag-Doped ZnO/TiO2-SiO2 composite catalysts *Surached Thongboon* (S8-O-007) Effective hydrothermal carbonization and sulfonation of water hyacinth husk to prepare a carbonaceous catalyst for the dehydration of xylose to furfural *Vinh Doan* (S8-O-006) Self-powered water purification using a hybrid piezoelectric-photocatalytic system *Likhith M P* (S8-O-001) Environmentally friendly electrodeposition of conducting polymers using supercritical carbon dioxide-with-water emulsified electrolytes *Punvinai Vinaisuratern*	**SB** **TU-Frontier Lab-JEOL joint session Contaminants of Emerging Concern: PFAS & Microplastics** **Chair:** ***Sathrugnan Karthikeyan*** **Co-chair:** ***Chanatip Samart*** (SB-I-003) Ocean microplastic pollution, current status and future view from the Atlas of Ocean Microplastic (AOMI) database *Atsuhiko Isobe* (SB-I-006) Determination of microplastic particles in natural waters by Pyrolysis-GCMS *Sathrugnan Karthikeyan* (SB-I-005) Enhancing the analytical performane of microplastic in water sample *Chanatip Samart* (SB-I-004) Advanced polymer/material analysis with pyrolyzer-GC-HRTOFMS and AI-based software solutions *Masaaki Ubukata* (SB-O-001) Covalent organic frameworks for the detection and removal of perfluorooctanoic acid from water *Ali Trabolsi* (SB-O-002) Detection of PFAS by diblock copolymer PS-b-P4VP in complex emulsions at ppb levels *Narani Rakesh*	**S1** **Thailand-Japan Bilateral Symposium: Advancing Synchrotron Science through Experimental and Computational Chemistry Synergy** **Chairs:** ***Pinit Kidkhunthod & Kei Murata*** (S1-K-002) Low-temperature sintering of sub-oxidized copper nanoparticles for power device *Tetsu Yonezawa* (S1-K-021) From capture to conversion: Theoretical insights into CO2 valorization *Supawadee Namuangruk* (S1-I-014) Operando X-ray absorption spectroscopy development for catalytic ethanol reforming Research *Yingyot Poo-arporn* (S1-I-009) Innovative battery technologies for sustainable energy: Integrating experimental and DFT insights *Siriporn Jungsuttiwong* (S1-I-017) Integrating operando X-ray absorption spectroscopy (XAS)-mass spectrometry (MS)-gas chromatography (GC) technique for characterization of cobalt-based catalysts in ethanol dehydrogenation and reverse water gas shift reaction *Nattawut Osakoo* Concluding remarks *Siriporn Jungsuttiwong*	**OM** **Organic Synthesis and Medicinal Chemistry** **Chair:** ***Tirayut Vilaivan*** **Co-chair:** ***Roderick Bates*** (OM-I-062) Fluorine-substituted derivatives of gamma-carbolines and carbazoles as a promising drug chemotype for the neurodegenerative disease treatment *Sergey Bachurin* (OM-O-005) From agricultural by-products to bioactive compounds: The potential of immature pomelo peels (IPPs) in medicinal chemistry *Hung Nguyen* (OM-O-011) Multifunctional molecular hybrid composed of doxorubicin, AS1411 aptamer, and T9/U4 ASO for targeting colorectal cancer cells *Kanpitcha Jiramitmo* (OM-O-047) Facile on-bead amidation for the synthesis of cyclic peptides *Chai-Lin Kao* (OM-O-055) Supramolecular assemblies of porphyrin derivatives for their functional applications *Hosoowi Lee* (OM-I-061) Design and synthesis of unique 5-arylaminothiazoles with tunable photophysical properties *Murai Toshiaki*
15.30-16.00	**BREAK**						
16.00-17.00	**Closing Ceremony**						