

Oral Presentation Schedule

S1: Analytical Chemistry		
January 31, 2008		Vibhavadee A Room
Chairperson: Atchana Wongchaisuwat (KU), Co-Chairperson: Atitaya Siripinyanon (MU)		
10.40-11.10	INV-7	Atitaya Siripinyanon (Mahidol University, Thailand), "Field-Flow Fractionation: An Alternative Tool for Size Characterization of Nanometer and Micrometer Particles"
11.10-11.25	S1-OR-1	Benchaporn Lertanantawong , "Mediated Oxidation of Ascorbic Acid Using Planar Gold and Gold Nanoparticles"
11.25-11.40	S1-OR-2	Purim Jarujamrus , "Preparation and Characterization of Colloidal Gold for Application as Immunogenic Tag"
11.40-11.55	S1-OR-3	Krissanaporn Cheunrangsikul , "A Disposable Glucose Biosensor Based on Screen-Printed Carbon Electrodes Mediated with Ferrocene Methanol-GOD on Latex Mixture"
11.55-12.10	S1-OR-4	Anupoop Sasoak , "Study of PEG Coated Monolithic Silica Column"
12.10-12.25	S1-OR-5	Tuan Quoc Nguyen , "Polymerization and Degradation Mechanism by 2D-Gel Permeation Chromatography"
12.25-14.00	Lunch	
Chairperson: Jaron Jakmune (CMU), Co-Chairperson: Pakorn Varanusupakul (CU)		
14.00-14.30	INV-12	Yaw-Kuen Li (National Chiao Tung University, Taiwan), "Detection of Non-charged Steroids by Silicon-Nanowire Field Effect Transistor"
14.30-14.45	S1-OR-6	Atitaya Samantha , "Investigation of Egg White Protein Aggregation Using Field-Flow Fractionation"
14.45-15.00	S1-OR-7	Wipharat Chuachuad , "Determination of Trace Cadmium in Environmental Samples After Cloud Point Extraction Preconcentration by Electrothermal Atomic Absorption Spectrometry Using Platinum as a Permanent Modifier"
15.00-15.15	S1-OR-8	Jeeawan Promchan , "Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS): An Alternative Technique for Element Analysis of Solid Samples"
15.15-15.35	Coffee Break	
15.35-15.50	S1-OR-9	Siripastra Jayanta , "Barrier Film Coated Hollow Fiber Supported-Liquid Membrane Microextraction of Glyphosate and Aminomethylphosphonic Acid"
15.50-16.05	S1-OR-10	Narumol Ramnut , "Monolithic PS-DVB Sorbent Trap for GC Analysis"
16.05-16.20	S1-OR-18	Solangi Amber , "Simultaneous Determination and Separation of Seven Structurally Different Drugs Using Capillary Electrophoresis"
February 1, 2008		Vibhavadee A Room
Chairperson: Duangjai Nacapricha (MU), Co-Chairperson: Marisa Arunchaiya (KU)		
09.50-10.20	INV-19	Doa Soo Chung (Seoul National University, Korea), "Large-volume stacking in capillary electrophoresis-mass spectrometry"
10.20-10.35	S1-OR-11	Wipharat Chuachuad , "On-line Preconcentration of Trace Inorganic Mercury as Chloro-anion Complexes on Anion-exchanger in Water Samples and Determination by Flow Injection Cold Vapor Generation Atomic Spectrometry with Reductive Elution"
10.35-10.50	S1-OR-12	Jaron Jakmune , "Flow Injection with Amperometric Detection for Determination of Orthophosphate in Water and Soil"
10.50-11.10	Coffee Break	
11.10-11.25	S1-OR-13	Sanong Ekgasit , "Novel Miniature ATR Accessories and Their Applications in Forensic and Trace Analyses"
11.25-11.40	S1-OR-14	Pimthong Thongnopkun , "Non-Destructive Characterization of Faceted Gemstones by FTIR Spectroscopy"
11.40-11.55	S1-OR-15	Duangta Tongsakul , "Native Secondary Structure of Single Silk Fiber Observed by ATR FT-IR Microspectroscopy"
11.55-12.10	S1-OR-16	Itsarapong Suksorn , "Evaluation of Free Radical Scavenging of Pickled Tea (Camellia sinensis var. Assamica) Extract"
12.10-12.25	S1-OR-17	Wimut Sermisri , "Protein Aggregates as a Novel Carrier System for Vitamin E: Preparation and Characterization"
S2: Inorganic Chemistry		
February 1, 2008		Rangsit Room
Chairperson: Apisit Songsasen (KU), Co-Chairperson: Surachai Thachepan (KU)		
09.50-10.20	INV-20	Long Lu (Shanghai Institute of Organic Chemistry, China), "Preparation and Reaction of Trifluoromethyl-Containing Building Blocks"
10.20-10.35	S2-OR-1	Anchalee Sirikulkajorn , "Synthesis and Complexation Studies of Derivatized Acridine Compounds as Amino Acid Sensor"
10.35-10.50	S2-OR-2	Boontana Wannalarse , "Synthesis of Benzimidazolium Derivatives Bearing Anthraquinone as Sensor for Anion and Amino Acid Recognition"
10.50-11.10	Coffee Break	
11.10-11.40	INV-24	Thawatchai Tantulani (Chulalongkorn University, Thailand), "Calix[4]arenes, from Ion Receptors to Ion Sensors"
11.40-11.55	S2-OR-3	Sopon Amatayakul , "Synthesis and Characterization of Al-Mg Mixed Oxides"
S3: Organic Chemistry and Medicinal Chemistry		
January 31, 2008		Kamhangbejra III Room
Chairperson: Pitoon Rashatasakhon (CU), Co-Chairperson: Mongkol Sukwattanasinitt (CU)		
11.10-11.25	S3-OR-1	Pongchart Buranaprasertsuk , "Practical Copper-Catalyzed O- And S-Arylation with Aryl Halides under Ligand and Additive Free Conditions"
11.25-11.40	S3-OR-2	Oraphin Chantarasriwong , "One Pot Synthesis of Sulfonamides from Sulfonic Acids Utilizing Cl ₃ CCN/PPh ₃ "
S4: Physical and Theoretical Chemistry		
January 31, 2008		Kamhangbejra III Room
Chairperson: Somsak Pianwanit (CU), Co-Chairperson: Pipat Kongprapa (KU)		
14.00-14.30	INV-15	Hoong-Kun Fun (Universiti Sains Malaysia, Malaysia), "Hydrogen Bonding Phase Transitions in Some Organic Crystals"
14.30-14.45	S4-OR-1	Tewarak Parnklang , "Plasmonic Properties of Spherical Silver Nanoparticles"
14.45-15.00	S4-OR-2	Waleeapan Sangprasert , "Structural Study of Bombyx mori Silk Model Compound Crystal after Plasma Treatment"
15.00-15.15	S4-OR-3	Beck Sim Lee , "Mean Field Approximations of Model Hamiltonian for Hydrogen-Bonded Phase Transitions"
15.15-15.35	Coffee Break	
Chairperson: Vannajan Sanghiran Lee (CMU), Co-Chairperson: Chinapong Kritayakornupong (KMUTT)		
15.35-15.50	S4-OR-4	Piti Treesukul , "Metal-Support Interaction in Noble-Metal/HZSM-5 Catalysts"
15.50-16.05	S4-OR-5	Chanisorn Ngaojampa , "Ab initio Calculation of Vibrational Coupling between Sugar and Base Rings of Trinucleotides"
16.05-16.20	S4-OR-6	Chan Inntam , "Migration of H, C and O Atoms from Surface to Subsurface of Single-Walled Carbon Nanotube (SWCNT): A Density Functional Theory (DFT) Study"
16.20-16.35	S4-OR-7	Taweetham Limpanuparb , "A Density Functional Theory Investigation of Triacetin Methanolysis"
February 1, 2008		Vibhavadee A Room
Chairperson: Yuthana Tantirungrotechai (MU), Co-Chairperson: Pipat Kongprapa (KU)		
14.00-14.30	INV-28	Adrian J. Mulholland (University of Bristol, UK), "Computational biochemistry: modelling biological catalysts"
14.30-14.45	S4-OR-8	Guillaume Huchet , "Understanding Static and Dynamic Disorder of Organic Crystals by Computational Chemistry Methods"
14.45-15.00	S4-OR-9	Pannipa Nachai , "The Activity of M/Ce-Sm-O Mixed Oxide (M=Pt, Pd, Re) for Water Gas Shift (WGS) Reaction"
15.00-15.15	S4-OR-10	Sirihathai Srihwanjai , "The Activity of Pt, Pd, and Re on Ce-Pr-O Mixed Oxide for Water Gas Shift (WGS) Reaction"
15.15-15.30	S4-OR-11	Thanayada Rungrotmongkol , "Influenza Virus A Subtype H5N1: Structural Basis, Drug-Target Interactions and Molecular Properties"
S5: Material Science and Nanotechnology		
January 30, 2008		Vibhavadee B Room
Chairperson: Wiwut Tanthapanichakoon (NANOTEC), Co-Chairperson: Pimpa Hornnirun (KU)		
15.45-16.15	INV-1	Masahiro Yamashita (Tohoku University, Japan), "Multi-Functional Quantum Molecular Nano-Magnets: Single-Chain Quantum Magnets with Photo-Induced Switching and Conducting Single-Molecule Magnets"
16.15-16.30	S5-OR-1	Darunee Wattanasiriwech , "Ionic Conductivity and Flexural Strength of Sm- and Gd-oxide Doped Ceria Ceramics"
16.30-16.45	S5-OR-2	Chanachana Thanachayanont , "Effect of TiO ₂ Agglomerates on Film Morphology and Device Performance of MEH-PPV/TiO ₂ Hybrid Solar Cells"
16.45-17.00	S5-OR-3	Thanayarat Sawatsuk , "Electrochemical Analysis of Dye-Sensitized Solar Cells Based on TiO ₂ -MWCNTs Electrode"
17.00-17.15	S5-OR-4	Cheewita Suwanchawalit , "Improving Photocatalytic Activity of TiO ₂ Powders via Calcinations"
January 31, 2008		Vibhavadee B Room
Chairperson: Duangrudee Chaysuwan (KU), Co-Chairperson: Ladda Meesuk (KU)		
10.40-11.10	INV-6	Tahsin J. Chow (Institute of Chemistry, Taiwan), "Luminescent Materials Containing 8-Hydroxyquinolines"
11.10-11.25	S5-OR-5	Natapong Sonsa-ard , "Effects of Addition of the Second Metal Oxide on Hydrophilic Properties of TiO ₂ Thin Films"
11.25-11.40	S5-OR-6	Yanisa Tuntipalaku , "TiO ₂ Thin Films for the Photodegradation Catalyst of Surfactants"
11.40-11.55	S5-OR-8	Pattama Poommarin , "Preparation and Characterization of Nano-Particles of Mixed Oxide between Titanium Dioxide and Oxide of Promoter Doped on Alumina"

Oral Presentation Schedule

11.55-14.00	Lunch	
	Chairperson: Tawatchai Charinpanitkul (CU), Co-Chairperson: Vimolvan Pimpan (CU)	
14.00-14.30	INV-11	Lixiong Zhang (Nanjing University of Technology, China), "Preparation of magnetic hollow ZSM-5/Ni composite spheres and fibers"
14.30-14.45	S5-OR-9	Sorrarat Boonyahong , "Sol-Gel Dip-coated TiO ₂ Thin Films for Self-cleaning Glass"
14.45-15.00	S5-OR-10	Amornwong Srisurichan , "Poly Methyl Methacrylate-Multiwalled Carbon Nanotubes Composite for Detecting Volatile Toluene Gas"
15.00-15.15	S5-OR-11	Pattama Poommarin , "Effect of Precursor Ratio on Synthesis of Zinc Oxide/Alumina or Titania/Alumina Nanocomposite Using Sol-Gel Method"
15.15-15.35	Coffee Break	
15.35-16.05	INV-16	Huanting Wang (Monash University, Australia), "Growth of zeolite crystals in Polymer Hydrogels: Crystal size control and beyond"
16.05-16.20	S5-OR-12	Supalak Angkaew , "Effect of Solvent Types on Morphology and Formation Behavior of Polyaniline Nanofibers from Interfacial Polymerization"
16.20-16.35	S5-OR-13	Metha Rutnakornpituk , "Surface Modification of Iron Oxide Magnetic Nanoparticles with Mpeg-Pcl Diblock Copolymer"
16.35-16.50	S5-OR-14	Duangporn Polpanich , "Development of Polystyrene Latex-Antibody Conjugate for Malaria Diagnosis"
February 1, 2008 Vibhavadee B Room		
	Chairperson: Cholticha Noomhorm (KU), Co-Chairperson: Metta Chareonpanich (KU)	
09.50-10.20	INV-18	Metta Chareonpanich (Kasetsart University, Thailand), "Synthesis of Alternative Fuels from C1 Using Rice Husk Ash Derived Catalysts"
10.20-10.35	S5-OR-15	Chonlada Dechakiatkrai , "Photocatalytic Activity of Nanoscale Titanium Dioxide/Single Walled Carbon Nanotube for Methanol Degradation"
10.35-11.10	Coffee Break	
11.10-11.40	INV-23	Kenneth M. Doxsee (University of Oregon, USA), "New Motifs for Organic Crystal Engineering"
11.40-11.55	S5-OR-18	Ji-Hye Chae , "Deposition of Pt-M (M= Ru and Sn) Catalyst on the Conductive Polymer Hollow Capsule Sphere"
11.55-14.00	Lunch	
	Chairperson: Buncha Pulpoka (CU), Co-Chairperson: Surachai Thachepan (KU)	
14.00-14.30	INV-27	Kyung Byung Yoon (Sogang University, Korea), "Second and Third-Order Nonlinear Optical Zeolite Films"
14.30-14.45	S5-OR-19	Rakchart Traiphol , "Roles of Anthracene Defects in Conjugated Backbone of Polyfluorene on its Photophysics"
14.45-15.00	S5-OR-20	Thornchaya Satitpitakun , "Thermal Stability of Pmma Film Compositing with Zinc Oxide Synthesized by Gas Phase Reaction"
15.00-15.15	S5-OR-21	Wimonrat Tongpoonthorn , "Preparation and Characterization of Activated Carbon from <i>Jatropha curcas</i> Shell by Different Chemical Activating Agents"
15.15-15.30	S5-OR-22	Manop Sriuttha , "Effect of Temperature on Preparation of Activated Carbon from Mangosteen (<i>Garcinia mangostana</i> L.) Shell"
15.30-15.45	S5-OR-23	Suriyasit Kaen-ngam , "Effect of Calcining Temperatures on the Structural and Magnetic Properties of Nanosized Fe-Doped NiO Prepared by Diol Based Sol-Gel Process"
15.45-16.00	S5-OR-24	Rudeerat Suntako , "Effects of Dispersant Concentration and pH on Properties of Lead Ziconate Titanate Aqueous Suspension"
S6: Biological / Biophysical Chemistry and Chemical Biology		
January 30, 2008 Kamhangbejra III Room		
	Chairperson: Poonsakdi Ploypradith (CRI), Co-Chairperson: Apinya Chaivisuthangkura (SWU)	
15.45-16.15	INV-5	Tirayut Vilaivan (Chulalongkorn University, Thailand), "Labeled Peptide Nucleic Acids: Synthesis and Uses as a Tool in DNA Sequence Analysis"
16.15-16.30	S6-OR-3	Pongsak (Lek) Noophan , "Anaerobic Ammonium Oxidation Process (ANAMMOX)"
16.30-16.45	S6-OR-4	Surasak Laloknam , "Effect of Some Heavy Metals on Growth and Chlorophyll Contents in <i>Aphanothece halophytica</i> "
16.45-17.00	S6-OR-5	Rattiya Waeonukul , "Production of Plant Cell Wall-degrading Enzymes by <i>Paenibacillus curdlanolyticus</i> Strain B-6 Using Agricultural Waste as a Carbon Source for Degradation of Biomass"
17.00-17.15	S6-OR-9	Amtul Qayoom , "Determination of thermodynamic parameters of sorption of Cu(II) and Cd(II) from aqueous solution by turmeric powder"
January 31, 2008 Kamhangbejra III Room		
	Chairperson: Paitoon Rashatasakhon (CU), Co-Chairperson: Mongkol Sukwattanasinitt (CU)	
10.40-11.10	INV-10	Junghun Suh (Seoul National University, Korea), "Target-Selective Artificial Metalloproteases: Towards Catalytic Drugs"
11.40-11.55	S6-OR-6	Choedchai Saehuan , "Benzoylformate Decarboxylase from <i>Pseudomonas stutzeri</i> ST-201: Involvement in D-phenylglycine Degradation, Gene Cloning and Characterization"
11.55-12.10	S6-OR-7	Krongkadda Phakthanakanak , "Three-dimensional Structure Model of Interactions between the Active Site of SARS Cysteine Proteinase and Octapeptide: Structure-Based Drug Design and Biological Implications"
12.10-12.25	S6-OR-8	Jutarnas Jungsukcharoen , "Pueraria mirifica Leaf, a Source of Anti-cancer Isoflavonoids"
S7: Bioinformatics and Cheminformatics		
January 31, 2008 Rangsit Room		
	Chairperson: Chak Sangma (KU), Co-Chairperson: Pornpan Pungpo (UBU)	
14.00-14.30	INV-13	Ji-Kai Liu (Kunming Institute of Botany, China), "Higher Fungi: a Good Source of Chemical Diversity and Biologically Active Substances"
14.30-14.45	S7-OR-1	Luckhana Lawtrakul , "Particle Swarm Optimization in Quantitative Structure-Activity Relationship of Anti-HIV HEPT Analogues"
14.45-15.00	S7-OR-2	Vannajal Sanghiran Lee , "Virtual Screening HIV-1 Inhibitors from Natural Product Libraries Using Self-organizing Map (SOM)"
15.00-15.15	S7-OR-3	Julirat Inkorn , "High Throughput Screening of Drug Discovery Data for Anti-HIV-1 Drugs by Statistical Methods"
15.15-15.35	Coffee Break	
15.35-15.50	S7-OR-4	Nirattiya Jaisieng , "Rice Varieties Classification Based on Chemical Composition Using Artificial Neural Network"
15.50-16.05	S7-OR-5	Pornthip Boonsri , "QSAR Study on Aquatic Toxicity of Benzene Derivatives Against <i>Poecilia reticulata</i> and <i>Tetrahymena pyriformis</i> Using Molecular Descriptors"
16.05-16.20	S7-OR-6	Nipa Jongkon , "Study on the Binding Mechanism of H5N1 Hemagglutinin by Molecular Dynamics Simulations"
16.20-16.35	S7-OR-7	Phornphimon Maitarad , "Understanding of Interactions between Cycloguanil Derivatives and <i>PdDHFRs</i> in Formed of Wild Type and Quadruple (N51I, C59R, S108N, and I164L) Mutant Type: Based on CoMFA and Quantum Chemical Calculations"
16.35-16.50	S7-OR-8	Witcha Treesuwan , "The Energetic Correlation of Various Models and Simulation Protocols on the Minor Groove Binder (thiazotropin A) Complex"
S8: Polymer Chemistry		
January 30, 2008 Kamhangbejra II Room		
	Chairperson: Nuanphun Chantarasiri (CU) Co-Chairperson: Voravee Hoven (CU)	
15.45-16.15	INV-4	Joon-Seop Kim (Chosun University, Korea), "Mechanical Properties and Morphology of Styrene-based Ionomers Containing both Carboxylate and Sulfonate Ionic Groups"
16.15-16.30	S8-OR-1	Sobiroh Kariyo , "Polymer Dynamics of Site-Specific Deuterated PI and PB Melts Studied by ¹ H FFC NMR Relaxometry"
16.30-16.45	S8-OR-3	Pakorn Opaprakasit , "Intra-Molecular Hydrogen Bonding in Calixarene-Like Structures of Phenolic Resins: Phenolic Analogue Models"
16.45-17.00	S8-OR-4	Umporn Athikomrattanakul , "Molecularly Imprinted Polymers for Nitrofurantoin"
January 31, 2008 Kamhangbejra II Room		
	Chairperson: Narongrit Sombatsompop (KMUTT), Co-Chairperson: Chanchai Thongpin (SU)	
10.40-11.10	INV-9	San H. Thang (CSIRO Molecular and Health Technologies, Australia), "A Radical Approach to Control of Polymer Architecture – RAFT Polymerization"
11.10-11.25	S8-OR-6	Wanlaya Wongsaharn , "Influence of UV Stabilizers on Photo-degradation of PVC/Wood Plastic Composites by Natural Weathering Test"
11.25-11.40	S8-OR-7	Sunan Tiptipakorn , "Thermophysical Characterization of Poly(benzoxazine-urethane) Alloys"
11.40-11.55	S8-OR-8	Penwisa Pisitsak , "The Relationships between Rheology and Morphology of Poly(trimethylene terephthalate)/Vectra A950"
11.55-14.00	Lunch	
	Chairperson: Chakrit Sirisinha (MU), Co-Chairperson: Jatuphorn Wootthikannokkhan (KMUTT)	
14.00-14.30	INV-14	Jay Hyouun Kim (Dongduk Women's University, Korea), "Photochemical Fate and Remediation for the Cleanup Purpose"
14.30-14.45	S8-OR-9	Pittaya Takolpuckdee , "Synthesis of Various Chain Transfer Agents for Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization"
14.45-15.00	S8-OR-10	Sa-ad Riyajan , "Encapsulation of Neem by Using Glutaraldehyde Crosslinked Sodium Alginate Containing Natural Rubber"
15.00-15.35	Coffee Break	
15.35-16.05	INV-17	Vinich Promarak (Ubon Ratchathani University, Thailand), "New Perylene Derivatives: Synthesis and Properties"
16.05-16.20	S8-OR-11	Mir Mohammad Alavi Nikje , "Modified Nano-SiO ₂ /Chitosan Membranes"
16.20-16.35	S8-OR-12	Patchara Tasanatanachai , "Surface Modification of Polyethylene Using Atmospheric Pressure Air Dielectric Barrier Discharge"
16.35-16.50	S8-OR-2	Paralee Waenkaew , "Electrochemical Synthesis of Conjugated Poly(thiophene-co-carbazole) by Cyclic Voltammetry"

Oral Presentation Schedule

S9: Petroleum Chemistry and Catalysis			Kambahangbejra II Room
February 1, 2008			
Chairperson: Vittaya Punsuvan (KU), Co-Chairperson: Pimpa Hormnirun (KU)			
11.10-11.40	INV-25	<i>Ho Si Thoang</i> (Institute of Chemical Technology, Vietnam), "Effective Catalysts For Complete Oxidation of Multicomponent Exhaust Gases on the Basis of $\text{CuO}/\gamma\text{-Al}_2\text{O}_3$ "	
11.40-11.55	S9-OR-1	<i>Warangkana Kanjina</i> , "Oxidation of Hydrocarbons Catalyzed by Mono-Substituted Silicotungsten in Biphasic System"	
11.55-12.10	S9-OR-2	<i>Jutharat Khom-In</i> , "Synthesis of Dimethyl Ether (Dme) from Methanol Dehydration Using $\text{F-Al}_2\text{O}_3$ and $\chi\text{-Al}_2\text{O}_3$ "	
12.10-14.00	Lunch		
Chairperson: Piboon Pantu (KU), Co-Chairperson: Tanin Nanok (KU)			
14.00-14.15	S9-OR-3	<i>Sinee Kraokaw</i> , "Selective Production of Higher Hydrocarbons over Cobalt Support SBA-15 Mesoporous Silica Catalyst"	
14.15-14.30	S9-OR-4	<i>Eakachai Manatiwson</i> , "Bimetallic Doping of TiO_2 for Use in Photocatalytic Splitting of Water"	
14.30-14.45	S9-OR-5	<i>Suparoek Henpraserttae</i> , "Effects of Preparation Methods on Cu/Zn Catalysts for Hydrogen Production from Methanol Reforming"	
14.45-15.00	S9-OR-6	<i>Jinda Sirita</i> , "Spectroscopic Investigation of CO Adsorption on Catalytic Materials: a Quantitative Approach"	
15.00-15.15	S9-OR-7	<i>Supakorn Boonyuen</i> , "Methyl Ester of Various Feedstock Oils as an Alternative Renewable Source Energy"	
15.15-15.30	S9-OR-8	<i>Nawat Kujareevanich</i> , "Design and Development of Methanol Steam Reformer to Produce Hydrogen for Fuel Cell Application"	
15.30-15.45	S9-OR-9	<i>Damrong Khummongkol</i> , "Oil Shale Development in Thailand"	
S10: Environmental Chemistry			Vibhavadee A Room
January 30, 2008			
Chairperson: Waret Veerasai (MU), Co-Chairperson: Pinsuda Viravathana (KU)			
15.45-16.15	INV-2	<i>Joy Leaner</i> (CSIR Natural Resources and the Environment, South Africa), "Assessment of Mercury Emissions to the South African Environment: Source, Transport of Fate of Mercury in Water Resources"	
16.15-16.30	S10-OR-1	<i>Jirussavadee Aumpuch</i> , "Enhanced Tetrachloroethylene Solubilization by Extended Surfactant "	
16.30-16.45	S10-OR-2	<i>Prangthong Thongkorn</i> , "Determination of Equivalent Alkane Carbon Number for Organometallic Compounds"	
16.45-17.00	S10-OR-3	<i>Kuntida Krisorncharoen</i> , "Surfactant Recovery by Liquid-Liquid Extraction and Reversed Micellar Extraction"	
17.00-17.15	S10-OR-4	<i>Putchaya Thunhapran</i> , "Removal and Concentration of Pyrene from Contaminated Soil Using a Phase Separation of Mixed Cationic and Anionic Surfactants Solution"	
17.15-17.30	S10-OR-14	<i>Mohammad Nahid Siddiqui</i> , "Pyrolysis of Waste Plastics into Environmental and Industrially Useful Product"	
February 1, 2008			Kambahangbejra III Room
Chairperson: Charnwit Kositanont (CU), Co-Chairperson: Pornpun Pornsinlapatip (KU)			
09.50-10.20	INV-22	<i>Helen E. Keenan</i> (University of Strathclyde, UK), "Comparison of EPISUITE model and values obtained from experimental data for Environmental Pollutants"	
10.20-10.35	S10-OR-5	<i>Pajaree Thongsanit</i> , "The Study of Corrosion Rate of Metals in Phitsanulok Area"	
10.35-10.50	S10-OR-6	<i>Pajaree Thongsanit</i> , "Sources of Polycyclic Aromatic Hydrocarbons in Phitsanulok Air Environment Comparison to Urban Area in Bangkok"	
10.50-11.10	Coffee Break		
11.10-11.40	INV-26	<i>Junko Munakata Marr</i> (Colorado School of Mines, USA), "Polymer and Chemical Oxidant Mixtures for Groundwater Remediation"	
11.40-11.55	S10-OR-7	<i>Sootreee Khuntong</i> , "Chemical Composition of Rainwater Collected from the Representative Industrial Site, Eastern Thailand. January 2005 – September 2007"	
11.55-12.10	S10-OR-8	<i>Sakcharoen Thammananya</i> , "Bioavailable Cadmium and Zinc In Soil in Sugarcane Cultivation Area: Mae Sot Tak Province"	
12.10-12.25	S10-OR-9	<i>Akkajit Pensiri</i> , "Effects of Other Metals on Bioavailable Cadmium Uptake by Sugarcane"	
12.10-14.00	Lunch		
Chairperson: Junko Munakata Marr (Colorado School of Mines, USA), Co-Chairperson: Pongsak Noophan (SU)			
14.00-14.30	INV-30	<i>James Hurley</i> (University of Wisconsin-Madison, USA), "Watershed-scale addition of stable isotopes: An important tool to study transport and bioaccumulation of recently-deposited mercury"	
14.30-15.00	INV-31	<i>Babajide I. Ajo</i> (University of Lagos, Nigeria), "Studies on Urban Highway Runoff and Environmental Pollution: Nigerian Case Study"	
15.00-15.15	S10-OR-10	<i>Pawittra Chotisukarn</i> , "Adsorption of Methyltestosterone to Soils and Sediments from Nile Tilapia Ponds"	
15.15-15.30	S10-OR-11	<i>Mahitti Puanggam</i> , "Chemical Modification of MCM-41 and Silica Gel for the Use as Selective Adsorbents for Hg(II) Ions"	
15.30-15.45	S10-OR-12	<i>Pisanu Toochinda</i> , "Carbon Dioxide Capture by Immobilized Amine over Solid Sorbents"	
S11: Cosmetics			Rangsit Room
February 1, 2008			
Chairperson: Supason Wanichwacharungruang (CU), Co-Chairperson: Thitinun Monhaphol (KU)			
14.00-14.30	INV-29	<i>Penpun Wattanakrai</i> (Mahidol University, Thailand), "Cosmetics and cosmeceuticals"	
14.30-14.45	S11-OR-1	<i>Aurapan Sansukcharearnpon</i> , "Cellulose Based Nanoparticles for Controlled Release of Fragrances"	
14.45-15.00	S11-OR-2	<i>Panpilai Chanchaisak</i> , "Cosmetic Actives from Sugarcane (<i>Saccharum officinarum</i> L.) Bagasse"	
S12: Industrial Chemistry and Innovation			Rangsit Room
January 31, 2008			
Chairperson: Sanong Ekasit (CU), Co-Chairperson: Pitak Chuawong (KU)			
10.40-11.10	INV-8	<i>Bunja Junhasavasdikul</i> (Innovation Group of Companies, Thailand), "Build Tripartite Nanotechnology Hub for the Growth of Thai Industry"	
11.10-11.25	S12-OR-1	<i>Teerayut Khunrong</i> , "Production of Ethanol from Pulp Obtained by Steam Explosion Pretreatment of Oil Palm Trunk"	
11.25-11.40	S12-OR-2	<i>Vijitti Udeye</i> , "Ethanol Heterogeneous Azeotropic Distillation Design and Construction"	
11.40-11.55	S12-OR-3	<i>Rayakorn Nokkaew</i> , "Eliminated Phorbol Esters in Seed Oil and Press Cake of <i>Jatropha Curcas</i> L."	
11.55-12.10	S12-OR-4	<i>Kritsana Leelaruji</i> , "Morphology of Pt/C Electrocatalysts for Oxygen Reduction Reaction Prepared by Using Alcohol Reduction Method"	
February 1, 2008			Kambahangbejra II Room
Chairperson: Vittaya Punsuvan (KU), Co-Chairperson: Pimpa Hormnirun (KU)			
09.50-10.20	INV-21	<i>Ting-Kueh Soon</i> (Institute Kimia Malaysia, Malaysia), "Biofuels: Emerging Renewable Energy for the Transportation Sector"	
10.20-10.35	S12-OR-5	<i>Jutatip Ploysrimongkol</i> , "Pseudo-Ternary Phase Diagram for Biodiesel Preparation of by Microemulsion Technique"	
10.35-10.50	S12-OR-6	<i>Methee Khamduang</i> , "The Study of Glycerol Applications from Biodiesel Production Process as an Alternative Source of Carbon in Fermentation Industry: The Production of Amino Acid, L-Phenylalanine Type"	
S13: Food Safety			Rangsit Room
January 30, 2008			
Chairperson: Sirirat Kokpol (CU), Co-Chairperson: Orawan Chailapakul (CU)			
15.45-16.15	INV-3	<i>Prof. Dr. Eiichi Tamiya</i> (Osaka University, Japan), "Nanomaterials based functional devices and chemical interfaces for development of nano-biosensors"	
16.15-16.30	S13-OR-1	<i>Piyasak Chaumpluk</i> , "Simple and Rapid Detection of Trace Amounts of Peanut in Foods Based on <i>Ala h I</i> Gene Using Loop-mediated Isothermal DNA Amplification and Electrochemical DNA Sensor"	
16.30-16.45	S13-OR-2	<i>Orawan Chailapakul</i> , "Electrochemical Detection for Food Applications"	
16.45-17.00	S13-OR-3	<i>Prompong Pienpinijtham</i> , "Application of ATR FT-IR Microspectroscopy in Food Packaging Analysis"	
17.00-17.15	S13-OR-4	<i>Piyamart Jannok</i> , "Preliminary Study of Simple Phosphate Assay in Meat Products"	
17.15-17.30	S13-OR-5	<i>Somphit Sornyotha</i> , "Reduction of Linamarin Content in Cassava Root by Using Xylanase and Cellulase"	
17.30-17.45	S13-OR-6	<i>Waewwan Watanasiriwit</i> , "The Safety of Street Food in Chatuchak Weekend Market, Bangkok Metropolitan"	