



# 14<sup>th</sup> Asian Chemical Congress 2011

CONTEMPORARY CHEMISTRY FOR SUSTAINABILITY AND ECONOMIC SUFFICIENCY

THE LARGEST CHEMICAL CONGRESS IN ASIA

5 – 8 September 2011

Bangkok, Thailand

[www.14acc.org](http://www.14acc.org)

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ProCongress



Dear Colleagues,

On behalf of the 14th Asian Chemical Congress (14ACC) Organizing Committee and The Chemical Society of Thailand (CST) under the patronage of Professor Dr. HRH Princess Chulabhorn, it is my great pleasure to extend a warm invitation to you to participate in 14ACC on 5-8 September, 2011 in Bangkok, Thailand, under the auspices of the Federation of Asian Chemical Societies (FACS).

Over the past 26 years, ACC has grown to be one of the major international conferences in chemistry. The 14ACC continues the Asian Chemical Congress (ACC) tradition of high-quality, broad international participation in all areas of Pure and Applied chemistry. Fortunately, the year 2011 has been announced to be the "International Year of Chemistry" by International Union of Pure and Applied Chemistry (IUPAC) and United Nations Educational, Scientific and Cultural Organization (UNESCO) aiming to place importance on and promote the chemical scientific works. In this occasion, the 14ACC is event more special than before, as to celebrate the "International Year of Chemistry".

The 14ACC provides unprecedented opportunities for participants to expand their scientific horizons. The theme of 14ACC, "Contemporary Chemistry for Sustainability and Economic Sufficiency", is particularly appropriate as chemistry and the chemical sciences are increasingly being turned to address global environmental, health, and energy challenges. The scientific program will include all traditional areas of chemistry and also offers outstanding content uniquely characterized by 6 leading universities in Thailand. Bringing together participants from across region and around the world, this landmark congress will provide a superb opportunity for conversation, collaboration, and networking. In addition to the wide variety of technical presentations, the congress exhibition will provide insights into the latest products and developments from number of companies and organizations.

Aside from the opportunities afforded by the congress sessions, you will also have the chance to experience a myriad of Thailand's tourist and cultural attractions that are exceptional and exotic. From classic sights to fabulous temples and palaces, to natural wonders as diverse as forested mountains and beautiful beaches and islands, from delicious culinary discoveries to fabulous shopping bargains, there is plenty that will leave you with fond memories of the Kingdom of Thailand and its warm and welcoming people.

We are looking forward to meeting you, your family, and colleagues at 14ACC in Bangkok. We hope that you will find the congress both enjoyable and valuable. We thank you in advance for participating and contributing to the success of the event.

With best wishes

A handwritten signature in black ink, appearing to read "Supawan Tantayanon".

Assoc. Prof. Dr. Supawan Tantayanon  
Chairperson of the 14<sup>th</sup> Asian Chemical Congress (14ACC)

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\*IUPAC: International Union of Pure and Applied Chemistry

FACS: Federation of Asian Chemical Societies

CAS: Chinese Academy of Sciences

ACS: American Chemical Society

NSTDA: National Science and Technology Development Agency

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**Hosted by:**

Chemical Society of Thailand under the patronage of Professor Dr. Her Royal Highness  
Princess Chulabhorn Mahidol

**Co-hosted by:**

Department of Chemistry, Chiangmai University  
Department of Chemistry, Chulalongkorn University  
Department of Chemistry, Kasetsart University  
Department of Chemistry, Khon Kaen University  
Department of Chemistry, Mahidol University  
Department of Chemistry, Prince of Songkla University  
Faculty of Science and Technology, Rajamangala University of Technology Thanyaburi

**Theme:**

Contemporary Chemistry for Sustainability and Economic Sufficiency

**Date:**

5-8 September 2011

**Venue:**

Queen Sirikit National Convention Center  
60 New Rachadapisek Rd., Klongtoey, Bangkok 10110 Thailand  
Tel: +662 229 3000 Fax: +662 229 3001  
<http://www.qsncc.com>

**Congress Office:**

ProCOngress (Thailand) Co., Ltd.  
4/383 Moo 6, Soi Nakniwas 37 Road, Ladprao, Bangkok 10230 Thailand  
Tel: +662 956 1580 Fax: +662 932 4454  
E-mail: [info@14acc.org](mailto:info@14acc.org)

**Official Website:**

[www.14acc.org](http://www.14acc.org)

**Important Date:****Registration**

Early Registration Deadline	10 March 2011
Registration Deadline	30 June 2011

**Abstract**

Oral / Poster Submission Deadline*	20 January 2011
Oral / Poster Notification	20 February 2011
Poster Submission Deadline	20 May 2011
Poster Notification	20 June 2011
Young Chemistry Awards Submission Deadline	20 January 2011
Young Chemistry Awards Announcement	20 February 2011

*\*Only Poster submission before 20 January 2011 will be qualified for early bird rate.*

**Proceedings (Optional)**

Full Paper Submission for Proceedings	1 July 2011
Notification of Full Paper Acceptance	15 August 2011
Proceedings Available on Website	30 September 2011

**Official Language:**

English

**Official Letter of Invitation:**

The official invitation letter for visa application will be available ONLY to those who have completed the registration payment.

ONLY on-line registration via [www.14acc.org](http://www.14acc.org) will be accepted.

Early registration rate will be applied until **25 February 2011** (18:00 hrs GMT +7). The on-line registration will be applied until **30 June 2011** (18:00 hrs GMT +7). After **30 June 2011**, you will be required to register at on-site rate until **15 August 2011**.

### Registration fees:

	Early Bird Fee By 25 Feb 2011 (USD)	Standard Fee 1 Mar – 30 Jun 2011 (USD)	On-site Fee From 1 Jul 2011 (USD)	Package Included:
FACS Member	360	420	480	- Access to main congress with 2 coffee breaks and 1 lunch/day - Congress bag - Final programme book
FACS Non-member	450	500	550	- Welcome reception - Opening ceremony - Closing ceremony
Oversea Graduate Student	250	300	350	- Access to exhibition - Half-day tour to Grand Palace
สมาชิกคนไทย	8,000 บาท	9,000 บาท	12,000 บาท	- Access to main congress with 2 coffee breaks and 1 lunch/day - Congress bag - Final programme book
คนไทย	9,000 บาท	10,000 บาท	13,000 บาท	- Welcome reception - Opening ceremony - Closing ceremony - Access to exhibition
สมาชิกนักเรียนไทย	2,550 บาท	3,550 บาท	5,000 บาท	- Access to main congress with lunch coupon (THB50/day) - Congress bag - Final programme book
นักเรียนไทย	3,950 บาท	4,950 บาท	5,500 บาท	- Opening ceremony - Closing ceremony - Access to exhibition
Accompanying Person	35	45	55	- Welcome reception - Opening ceremony - Closing ceremony - Access to exhibition
Banquet	70		90	- Buffet dinner - Entertainment and cultural performance - Shuttle bus service

### Confirmation of Registration:

You will receive confirmation of registration via e-mail once we received registration form and the proof of payment. If you do not receive a confirmation by **15 August 2011**, please contact registration department at E-mail: [registration@14acc.org](mailto:registration@14acc.org) or please bring a copy of your registration form and proof of payment to the registration desk at on-site.

### Payment Method: Only credit card is accepted.

- ONLY Visa and Master card are accepted.
- Payment is available ONLY through the on-line registration.
- All service charges on credit card are to be responsible by registrants.
- The actual debit amount is subject to change according to the exchange rate.

### Terms & Conditions:

- The registration will be accepted only upon receiving of full payment
- Registration delegates unable to attend will receive 50% refund, provided that a written request is received by 14ACC Secretariat before **30 June 2011**.
- All approved refunds will be processed and issued 60 days after the congress.
- Transfer to another name is accepted in a written request before **30 June 2011**.

Pre-congress, Monday, 5 September 2011		Tuesday, 6 September 2011		Wednesday, 7 September 2011		Thursday, 8 September 2011	
10:00 - 18:00	Pre-registration	07:00 - 17:30	Registration	07:00 - 17:30	Registration	07:00 - 17:30	Registration
10:00 - 16:00	Workshop 1	08:30 - 09:20	Plenary 1	08:30 - 09:20	Plenary 3	08:30 - 09:20	Plenary 5
16:30 - 17:30	2 <sup>nd</sup> AACCS Meeting (American - Asian Chemical Society)	09:20 - 10:10	Plenary 2	09:20 - 10:10	Plenary 4	09:20 - 10:10	Plenary 6
17:00 - 17:30	Opening Ceremony		Coffee Break		Coffee Break		Coffee Break
18:00 - 20:00	Keynote Lecture Professor Dr. Her Royal Highness Princess Chulabhorn Mahidol	10:10 - 10:40		10:10 - 10:40		10:10 - 10:40	
	Welcome Reception	10:40 - 11:00	General Session 1-4	10:40 - 11:00	General Session 1-4	10:40 - 11:00	General Session 1-4
		11:00 - 11:20	General Session 1-4	11:00 - 11:20	General Session 1-4	11:00 - 11:20	General Session 1-4
		11:20 - 11:35	Oral 1-8	11:20 - 11:35	Oral 1-8	11:20 - 11:35	Oral 1-8
		11:35 - 11:50	Oral 1-8	11:35 - 11:50	Oral 1-8	11:35 - 11:50	Oral 1-8
		11:50 - 12:05	Oral 1-8	11:50 - 12:05	Oral 1-8	11:50 - 12:05	Oral 1-8
		12:05 - 12:20	Oral 1-8	12:05 - 12:20	Oral 1-8	12:05 - 12:20	Oral 1-8
		12:20 - 13:30	Lunch	12:20 - 13:30	Lunch	12:20 - 13:30	Lunch
		13:30 - 13:50	General Session 1-4	13:30 - 13:50	General Session 1-4	13:30 - 13:50	General Session 1-4
		13:50 - 14:10	General Session 1-4	13:50 - 14:10	General Session 1-4	13:50 - 14:10	General Session 1-4
		14:10 - 14:25	Oral 1-8	14:10 - 14:25	Oral 1-8	14:10 - 14:25	Oral 1-8
		14:25 - 14:40	Oral 1-8	14:25 - 14:40	Oral 1-8	14:25 - 14:40	Oral 1-8
		14:40 - 14:55	Oral 1-8	14:40 - 14:55	Oral 1-8	14:40 - 14:55	Oral 1-8
		14:55 - 15:10	Oral 1-8	14:55 - 15:10	Oral 1-8	14:55 - 15:10	Oral 1-8
		15:10 - 15:40	Coffee Break	15:10 - 15:40	Coffee Break	15:10 - 15:40	Coffee Break
		15:40 - 15:55	Oral 1-8	15:40 - 15:55	Oral 1-8	15:40 - 15:55	Oral 1-8
		15:55 - 16:10	Oral 1-8	15:55 - 16:10	Oral 1-8	15:55 - 16:10	Oral 1-8
		16:10 - 16:25	Oral 1-8	16:10 - 16:25	Oral 1-8	16:10 - 16:25	Oral 1-8
		16:25 - 16:40	Oral 1-8	16:25 - 16:40	Oral 1-8	16:25 - 16:40	Oral 1-8
		16:40 - 16:55	Oral 1-8	16:40 - 16:55	Oral 1-8	16:40 - 16:55	Oral 1-8
		16:55 - 19:00	Poster Session 1	16:55 - 19:00	Poster Session 2	16:55 - 19:00	Poster Session 3
20:00 - 22:00	Banquet					19:00 - 19:30	Closing Ceremony

Main Congress: 6 – 8 September 2011

**General Session:****Analytical and Environmental Chemistry**

The development and application of new analytical techniques and instrumentation have made the world become aware of some significant environmental problems. This conference will bring together leading scientists to provide a forum for discussion and exchange of knowledge of how they develop advanced environmentally friendly analytical techniques and apply them to investigate environmental science. We invite and welcome all those involved or interested in modern analytical chemistry techniques and their proper applications to participate in 14ACC.

*Highlight topics:*

- Electrochemical Membrane Electrodes
- Trace Analyses of Environmental Pollutants Utilizing Flow-Based Techniques Coupled with Preconcentration Method
- Novel Application of Magnetic Field for Microparticle Analysis
- Computer-Controlled Flow Chemical Analysis and Its Application to Environmental Analytical Chemistry
- Electrochemical and ESR-spectroscopic Investigations and etc.

**Chemical Education**

The Topics are related to the study or description of the teaching and learning of chemistry in schools, colleges and universities. The topics in chemistry education in chemistry education might include understanding how students learn chemistry, how best to teach chemistry, and how to improve learning outcomes by changing teaching methods and appropriate training of chemistry instructors, within many modes, including classroom lecture, demonstrations, and laboratory activities. There is a constant need to update the skills of teachers engaged in teaching chemistry, and so chemistry education speaks to this need.

*Highlight topics:*

- How to Get the Most Out of Undergraduate Chemistry Practical Work: The Bristol ChemLabS Experience and etc.

**Industrial Chemistry and Innovation**

The session is emphasized the role of chemical innovation in the development of more sustainable processes, products, and services. It offers an excellent platform for promoting collaborations among chemists from Asian countries. It will assemble chemists from academia, industry together along with students to share experiences, new ideas, and research results on all aspects of Industrial Chemistry and Innovation. Attendees will find opportunities to discuss the challenges and possible solutions to be adopted in chemical practice.

**Inorganic Chemistry and Nanochemistry**

The Inorganic Chemistry and Nanochemistry session is aimed to provide the recent advances in the field which is very exciting and useful to the development in the field of chemistry by well-known invited speakers. This session is also opened for sharing knowledge by any scientists by their oral and/or poster presentation.

*Highlight topics:*

- Structuration of Polysaccharides at the Nanoscale for Preparing Nanoparticles for Drug-delivery Applications
- Synthetic Application of Gold Nanocluster Catalyst Protected by Hydrophilic Polymer
- Design of Efficient Molecular Catalysts for Olefin Coordination Insertion/Metathesis Polymerization and etc.

**Materials and Polymer Chemistry**

Materials science is an interdisciplinary field concerned with the design, preparation, structure-property relationships, and applications of materials in science and technology. This section of the conference focuses its attention on materials and polymer chemistry including metals, ceramics, polymers and composites. Nowadays, materials chemistry plays a vital role in developing new products for a wide range of high-tech applications. The presentations will highlight the current challenges facing materials chemists.

*Highlight topics:*

- Functional Materials by Design: The Exciting Role of Materials Chemistry
- Periodic Nets and the Designed Synthesis of Porous Materials
- Synthesis, Structure and Properties of New Functional Inorganic Framework Materials
- Molecular Design and Synthesis of Heterocyclics for Proton Transfer System in Polymer Electrolyte Membrane Fuel Cell
- PE-Organoclay Composites Fibers and etc.

**Natural Products, Chemical Biology and Medicinal Chemistry**

The conference is aimed to provide all relevant aspects of the recent researches in natural products chemistry such as bioactive compounds from plants, microorganisms and marine organisms, total synthesis of natural products, agrochemicals, chemical biology and medicinal chemistry by well known invited speakers from many countries. This will also include oral and poster presentations from scientists worldwide.

*Highlight topics:*

- Strigolactones Function in Plants and in the Rhizosphere
- Stemon alkaloids and derivatives with potential agricultural and medicinal applications
- A Fluorination Enzyme (Fluorinase): Mechanism and Applications
- Green Leaf Volatiles: Their Formation and Ecological Relevance
- Discovery of New Bioactives through Synthetic Chemistry of Natural Products and etc.



### Organic Chemistry and Green Chemistry

The session is approached to the synthesis, processing and use of chemicals that reduces risks to humans and the environment. The invited speakers will share the innovative chemistries that have been developed over the past several years which are effective, efficient and more environmentally benign. These approaches include new syntheses and processes as well as new tools for instructing aspiring chemists how to do chemistry in a more environmentally benign manner. The benefits to industry as well as the environment are all a part of the positive impact that Green Chemistry is having in the chemistry community and in society in general.

*Highlight topics:*

- *Transition Metal-Catalyzed Activation of Unreactive Bonds in Organic Synthesis and Material Sciences*
- *Catalytic Carbon-Carbon Bond Formation via Unreactive Carbon Bond Cleavage and etc.*



### Physical and Theoretical Chemistry

Physical and theoretical chemistry involves current experimental work and the use of theoretical methods and computers to solve chemical problems. It has progressed as the key basic research for wide range of applications, including solution chemistry, material science, biological science, etc. This session aims to gather all those using physical and theoretical chemistry in frontier research to be on the same platform. Participants can present: (i) development of theoretical chemistry and methodology (ii) the results that have been obtained in practicals and research projects and (iii) any other aspect of physical and theoretical chemistry in chemistry research.

*Highlight topics:*

- *Functional Molecules and Molecular Electronics/Spintronics/Nano-Optics and etc.*

## Symposium:

### Cheminformatics

**Organizer:** *Institute of Process Engineering, CAS*

### Design of Organic Compounds for Optical and Electronic Applications

**Organizer:** *Federation of Asian Chemical Societies (FACS) c/o Institute of Chemistry Academia Sinica Taipei, Taiwan*

The application of organic materials on optical and electronic devices has gained a major momentum in the past two decades. In this session we will invite experts to present their recent progresses in this field, including organic and polymer light-emitting diodes (OLED and PLED), dye-sensitized solar cells (DSSC), organic field-effect transistors (OFET), different types of chemical sensors, etc. The contents will cover both the preparation of materials and the performance of devices.

### Flow Techniques and Downscaling for Analytical Sciences

**Organizer:** *The Thai Association for Flow-based Analysis and the Faculty of Science, Chiang Mai University.*

This will devote to the recent development in flow techniques and downscaling in analytical sciences and the applications. This would involve flow and sequential analysis and related techniques including lab-on-valve, lab-at-valve, lab-on-chip. This also involves micro arrays and robotics Applications would involve in various fields such as process analysis, environmental analysis, biotechnology, agriculture and agro-industry, food safety, clinical analysis, drug design, clinical analysis, drug delivery, green analytical chemistry, etc.

### Functional Materials

**Organizer:** *Department of Chemistry, Chulalongkorn University, Thailand*

### IYC 2011

**Organizer:** *IUPAC*

### Medicinal Chemistry

**Organizer:** *FACS Project on Medicinal Chemistry and Natural Products*

The medicinal chemistry symposium will cover the latest developments in discovery of bioactive agents for known medicinal targets, research on novel disease targets, new methods for design and optimization of drug leads and prediction of ADMET properties, and design and development of novel agents to control stem cell fate for regenerative medicine. The symposium will be multidisciplinary and wide ranging, and papers are invited on research on bioactive discovery across broad domains of chemistry, biophysics, pharmacology, pharmaceuticals, systems biology, cell and molecular biology complex systems, and modeling.

## Workshop:

### Frontiers in Drug Discovery Research

**Organizer:** *Royal Society of Chemistry (RSC)*

The symposium is highlighted the latest and important advances in drug design and discovery and it is essential to all chemists involve in drug discovery who wish to keep abreast of rapid and important developments in the field.

### Natural Products and Organic Synthesis

**Organizer:** *IUPAC*

### Small Scale Chemistry

**Organizer:** *Chemical Society of Thailand (CST)*



### Keynote Speaker:

**Professor Dr. Her Royal Highness Princess Chulabhorn Mahidol**

### Plenary Speakers:

**Yuan Tseh Lee (The Nobel Prize in Chemistry 1986)**

**President Emeritus and Distinguished Research Fellow of Academia Sinica**

*Topic : Elementary Processes Involved in Matrix Assisted Laser Desorption Ionization*



Born in Taiwan in 1936, Yuan T. Lee received his early education in Taiwan and Doctorate from University of California (UC), Berkeley. He went to Harvard University as a post-doctoral fellow in 1967. He had faculty appointments at University of Chicago and UC Berkeley. He was University Professor and Principal Investigator at the Lawrence Berkeley Laboratory, UC Berkeley, before he became President of Academia Sinica (1994-2006). He has received the 1986 Nobel Prize in Chemistry and Doctor Honoris Causa from 35 universities. In 2008 he was elected to be the next president of the International Council for Science (ICSU).

**Ada E. Yonath (The Nobel Prize in Chemistry 2009)**

**Professor, The Martin S. and Helen Kimmel Professor of Structural Biology, Israel**

**Director, The Helen & Milton A. Kimmelman Center for Biomeolecular Structure & Assembly, Israel**

*Topic: The Amazing Ribosome*



Dr. Yonath has honorary doctorates from Tel Aviv, Ben Gurion, and Oxford Universities. Additionally, she is a member of the U.S. National Academy of Sciences (NAS); the American Academy of Arts and Sciences (AAAS); the Israel Academy of Sciences and Humanities; the European Academy of Sciences and Art; the European Molecular Biology Organization; and the International Academy of Astronautics. Dr. Yonath's awards include the 1<sup>st</sup> European Crystallography Prize (2000); the Israel Prize, the prestigious prize of the State of Israel (2002); the Harvey Prize (2002); F.A. Cotton Medal, the USA Chemical Society, USA (2002); the Anfinsen Prize of the Protein Society, Boston, USA (2003); the Massry Award, LA, Ca, USA (2004); The Paul Karrer Gold Medal, Zurich, Switzerland (2004); the Louisa Gross Horwitz Prize of Columbia University, NYC (2005); the Israeli Prime Minister EMET prize (2006); the Paul Ehrlich-Ludwig Medal, Germany (2007); the Wolf Prize (2007); the UNESCO for Women in Science Prize, representing Europe (2008); the Palade Gold Medal (2008); the Albert Einstein World Award of Science (2008) and the Nobel Prize in Chemistry (2009).

**Joseph Wang**

**Professor, Departments of Nanoengineering, University California San Diego (UCSD), USA**

**Chief Editor, Electroanalysis (Wiley-VCH)**

*Topic: Motion-based Biosensors*



Joseph Wang was born in Israel in 1948. He studied chemistry at the Technion - Israel Institute of Technology in Haifa. He was awarded a BSc degree in 1972 and an MSc degree in 1974. After completing a Ph.D. at the Technion in 1978, he served as a postdoctoral research associate at the University of Wisconsin, Madison. In 1980, he joined the Department of Chemistry and Biochemistry at New Mexico State University, where he became a Regents Professor and holder of the Manasse Chair. Wang founded the journal Electroanalysis (Wiley-VCH) in 1988 and has been editor-in-chief since then. In 2004-2008, he served as the Director of the Center for Bioelectronics and Biosensors at the newly established Bidesign Institute and as a Professor of Chemical Engineering and Chemistry at Arizona State University (ASU). Since 2008, Wang has served as Professor of Nanoengineering at the University of California San Diego.



### **Minoru Isobe**

**Chair Professor, National Tsing Hua University, Taiwan**

**Professor, Emeritus Nagoya University, Japan**

*Topic: New Molecular Science from Synthetic and Bioorganic Chemistry related to Natural Products*

Professor Isobe was educated in Nagoya, Japan. He went to Columbia University in the City of New York, USA in 1973 as a postdoc in Prof. Stork's group and did prostaglandin total synthesis. Isobe came back to Nagoya Univ. to be Associate Professor in 1975, and achieved total synthesis of natural products such as vorenopin, maytansine, okadaic acid, etc. He was promoted to full Professor in 1991, and continue the works of total synthesis of tautomycin, tetrodotoxin, ciguatoxin, etc. as well as expanded his chemistry to the field of Chemical Biology. He has elucidated the molecular mechanisms of bioluminescence of squid, insect diapause, protein phosphatase inhibition, K<sup>+</sup> selective ionophore, etc. After becoming an Professor Emeritus of Nagoya U. in 2008, Prof. Isobe moved to Taiwan to start a new laboratory at National Tsing Hua University. He has further developed new molecular sciences derived from the fields of natural product chemistry.



### **Niyazi Serdar Sariciftci**

**Professor, Johannes Kepler University Linz, Austria**

*Topic: Organic Nanostructures for Solar Energy Conversion: From Photovoltaic Electricity to Synthetic Fuels using CO<sub>2</sub> Recycling*

Prof. Sariciftci is ordinarius (chair) professor for physical chemistry and the founding director of the Linzer Institute for Organic Solarcells (LIOS) at the Johannes Kepler University of Linz/Austria. He studied at the University of Vienna (Austria) and graduated as PhD in physics in 1989. After two years postdoctoral study at the University of Stuttgart (Germany) he joined the Institute for Polymers and Organic Solids at the University of California, USA, by Prof. Alan J. HEEGER, Nobel laureate 2000 for Chemistry. His major contributions are in the fields of photoinduced optical, magnetic resonance and transport phenomena in semiconducting and metallic polymers. He is the inventor of conjugated polymer and fullerene based solar cells. Prof. Sariciftci published over 400 publications, 6 books and educated several academic and industrial scientists. He also initiated seven spin off companies for organic optoelectronics. He is recipient of several prizes among them the National Science Prize of Turkey 2006 and the Austria 2008 Prize for Scientific Research. He is a Fellow of SPIE, Fellow of the Royal Society of Chemistry (FRSC) and member of several societies such as American Chemical Society, Materials Research Society, SPIE, Austrian Chemical Society and Austrian Physical Society.



### **Yongyuth Yuthavong**

**Senior Scientist, National Science & Technology Development Agency, Thailand**

*Topic: Drug Development at the Interface of Chemistry and Biology*

Prof Yongyuth Yuthavong is Senior Research Fellow at the National Center for Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency (NSTDA); the former Thai Minister of Science and Technology (2006-8) and was the first President of NSTDA (1992-8). He was given the "Outstanding Scientist of Thailand" Award in 1984 for his research on malaria biochemistry. In 2004, he received the Nikkei Asia Prize for Science, Technology and Innovation from the Nihon Keizai Shimbun, Japan, for his work on antimalarial drug targets, and the "Person of the Year" Award from Thailand's National Identity Board. He is now involved in development of drugs against drug-resistant malaria as well as a number of policy issues for science and technology.

## General Session:

## Analytical and Environmental Chemistry

**Eric Bakker**

**Department of Inorganic, Analytical and Applied Chemistry, University of Geneva, Switzerland**

*Topic: Electrochemical Membrane Electrodes*

Eric Bakker received his undergraduate education and his Ph.D. from the Swiss Federal Institute of Technology (ETH) in Zurich, after which time he joined the University of Michigan in Ann Arbor, U.S.A. for a two-year postdoctoral stay. He spent 10 years as a faculty member at Auburn University in the U.S.A., was appointed as professor at Purdue University for 2 years, and moved to Australia to head up the Nanochemistry Research Institute at Curtin University in Perth. Since 2010 he is professor of Analytical Chemistry at the University of Geneva in Switzerland. His research interests include membrane based electrochemical sensors, particle based optical sensing, permeation membrane sampling devices, and nanopore based chemical recognition. He has published about 180 papers and holds more than 10 patents. He is currently a subject editor of Sensors and Actuators, B.

**Tadao Sakai**

**Department of Applied Chemistry, Aichi Institute of Technology, Japan**

*Topic: Trace Analyses of Environmental Pollutants Utilizing Flow-Based Techniques Coupled with Preconcentration Method*

Tadao Sakai was awarded BSc by Tottori University in 1967. He received Ph.D. degree from Nagoya City University in 1980. He worked as an Assistant Professor/Professor of Gifu Dental College from 1972 to 1993. In 1993, he moved to Aichi Institute of Technology, Department of Applied Chemistry as a head of Analytical Division. He was Editor-in-Chief of Journal of Flow Injection Analysis, the Editor-in-Chief of Bunseki Kagaku and the guest editor of Talanta. Now, he is the Vice-president of Japan Society for Analytical Chemistry and also the president of Japanese Association for Flow Injection Analysis. He received FIA Award for Science in 2000, FIA Award for Excellent Original Papers in 2004, the Japan Society for Analytical Chemistry Award in 2006 and Charles University Medal in 2009. He has co-authored about 150 peer reviewed publications, 35 reviews and 15 books. His interests are "ion association reactions", "Design of flow-based technology" and "Environmental analysis".

**Barry Neil Noller**

**Principal Research Fellow and Consultant at the Centre for Mined land Rehabilitation, at The University of Queensland, Australia**

*Topic: Environmental chemistry and toxicology as tools to study the nature and effects of metals and metalloids in environmental systems*

Professor Barry Noller holds a Ph.D. in environmental chemistry from the University of Tasmania (1978) and has worked as Research Fellow Australian National University (1978 - 1980), Research Scientist Environmental Research Institute of the Supervising Scientist, Jabiru, Northern Territory (1980 - 1990), Principal Environmental Chemist for the Department of Mines and Energy, Darwin, (1990 - 1998), Deputy Director of the National Research Centre for Environmental Toxicology (ENTOX) at The University of Queensland (1998 - 2006) and Principal Research Fellow and Consultant at the Centre for Mined land Rehabilitation, at The University of Queensland (2006 - 2010).

Professor Noller worked and published in the field of environmental chemistry and industrial toxicology for the past 39 years and has presented >300 conference papers and published >150 papers covering processes and fates of trace substances in the environment, particularly in tropical environmental systems with special reference to risk management associated with the bioavailability of toxic elements in mine wastes including waters. He has undertaken detailed studies of arsenic and metal speciation of solid mine waste materials using synchrotron induced X-ray analysis and has developed speciation-based toxicity models for mine closure purposes.

**Ross Sadler**

**Queensland Health, Brisbane, Australia**

**Hitoshi Watarai****Department of Chemistry, Tokyo Metropolitan University (TMU), Japan***Topic: Novel Application of Magnetic Field for Microparticle Analysis*

Hitoshi Watarai was trained in the field of Physical Chemistry (Photochemistry) and received a D. of Science (1978) in Analytical Chemistry from Tohoku University, during employed as a Research Associate from 1971. From 1981 to 1982, he worked as a Research Associate in the laboratory of Professor Henry Freiser, University of Arizona, studying the role of interface in solvent extraction kinetics. He was appointed a Lecturer (1982), a Associate Professor (1983) and a Professor (1988) in the Faculty of Education of Akita University. In 1993, he moved to Osaka University, Faculty of Science (from 1996, the Graduate School of Science). His research interest covers "Nano-chemistry at the liquid- liquid interface", including the interfacial chemistry in solvent extraction, and chiral analysis at the interface. He has developed new principles for migration analyses of biological micro-particles using photophoresis, dielectrophoresis, magnetophoresis and electromagnetophoresis. He received The Divisional Award of The Chemical Society of Japan for 2000 and The Analytical Chemistry Award from the Japan Society for Analytical Chemistry on 2003. He was the past President of the Japan Society for Analytical Chemistry.

**Shoji Motomizu****Department of Chemistry, Faculty of Science, Okayama University, Japan***Topic: Computer –Controlled Flow Chemical Analysis and Its Application to Environmental Analytical Chemistry*

Prof. Shoji Motomizu received his DSc in Analytical Chemistry in 1973 from Kyoto University. In 1968, he started his study on analytical chemistry at Okayama University as a research associate, and later he was promoted to a professor of Analytical Chemistry of Okayama University in 1992. He was a chairman of JAFIA (the Japanese Association for Flow Injection Analysis) in 1994-2005, and was the Editor-in-Chief of JSAC (Japan Society for Analytical Chemistry) journals, *Bunseki Kagaku*. in 2003-2006. Now he is a Titular Member of Analytical Chemistry Division, IUPAC, and is an Advisory/Editorial Board of *Talanta*, *International J. Environmental Chemistry*, *International J. Anal. Chem.* *J. Flow Injection Analysis*, *RSC Analytical Methods* etc. He received several awards for his contribution to analytical chemistry: JSAC Award for Young Scientist in 1973, The 37th Award for Excellent Paper in *Fat/Oil Techniques* in 1994, *Warsaw University Award* in 2000, and *JSAC Award* in 2001. He is the author and co-author of more than 360 original papers published in international journals, and of more than 40 books /chapters in analytical chemistry.

**Gunter Gramp****Institute of Physical and Theoretical Chemistry, Graz University of Technology, Austria***Topic: Electrochemical and ESR-spectroscopic Investigations***Kate Grudpan****Professor, Faculty of Science ,Chiang Mai University, Thailand****Panote Thavarungkul****Department of Physics, Prince of Songkla University, Thailand****Pakawadee Suthivaiyakit****Department of Chemistry, Faculty of Science, Kasetsart University, Thailand****Rawon Chailapakul****Department of Chemistry, Faculty of Science, Chulalongkorn University, Thailand**



**Duangjai Nacapricha**

*Department of Chemistry, Faculty of Science, Mahidol University, Thailand*

#### Chemical Education



**Nicholas C Norman**

*Bristol ChemLabS, UK*

*Topic: How to Get the Most Out of Undergraduate Chemistry Practical Work: The Bristol ChemLabS Experience*

Professor Nick Norman CChem MRSC is Professor of Inorganic Chemistry and Head of Inorganic and Materials Chemistry in the School of Chemistry at The University of Bristol. He is also Chief Executive of the HEFCE funded Bristol ChemLabS Centre for Excellence in Teaching and Learning (CETL).

He obtained a BSc in Chemistry from the University of Bristol in 1979 and a PhD in Chemistry in 1982. After a period as a postdoctoral Research Associate at The University of Texas at Austin, he was appointed as a Temporary Lecturer in Inorganic Chemistry at The University of Manchester in 1984. He then moved to The University of Newcastle upon Tyne in 1985 as a Lecturer in Chemistry and was appointed Reader in Main Group Chemistry in 1994. In 1995 he moved to The University of Bristol as Reader and was appointed Professor of Inorganic Chemistry in 2006.

#### Inorganic Chemistry and Nanochemistry



**Alain Durand**

*Institute National Polytechnique de Lorraine, France*

*Topic: Structuration of Polysaccharides at the Nanoscale for Preparing Nanoparticles for Drug-delivery Applications*

Alain DURAND accomplished his master degree from INPL, Nancy, France in 1995 and a diploma of chemical engineering in ENSIC, Nancy, France in 1995. He received his Ph.D. degree in Polymer Chemistry and Physical Chemistry in 1998 from Pierre et Marie Curie University, Paris. In 1999 he moved to Institut National Polytechnique de Lorraine, Nancy, France as an Assistant Professor. In 2007 he was promoted as a full professor in INPL. In 2009 he became the head of the Laboratory for Macromolecular Chemical Physics (CNRS/INPL). Since 2004 he is the secretary of the Formulation Group of French Chemical Society. His recent research interests especially focus on amphiphilic polymers at oil/water interfaces, polymeric nanoparticles for drug delivery applications, intensified polymerization processes, miniemulsion polymerization, enzyme-catalyzed reactions. He has co-authored about 50 publications including reviewing articles and book chapters.



**Apinpus Rujiwatra**

*Department of Chemistry, Faculty of Science, Chiang Mai University, Thailand*



**Hidehiro Sakurai**

*Institute for Molecular Science, Research Center for Molecular Scale Nanoscience, Division of Molecular Nanoscience, Japan*

*Topic: Synthetic Application of Gold Nanocluster Catalyst Protected by Hydrophilic Polymer*

Hidehiro Sakurai was born in 1965 in Osaka and grown-up in Sendai. He received his BS, MS, and Ph.D. degrees from the Department of Chemistry, The University of Tokyo under the supervision by Professor Koichi Narasaka. After spending with Professor Narasaka as a research associate in Tokyo (1994-1996, 1998-2000) and with Professor C. P. Casey as a JSPS Postdoctoral fellow at University of Wisconsin-Madison (1996-1998), He joined Department of Materials Chemistry, Osaka University as an Associate Professor in 2000. In 2004, he moved to Institute for Molecular Science (IMS) concurrently with an Associate Professor of School of Physical Science, The Graduate University for Advanced Study (SOKENDAI). From 2007, he is also promoted as a PRESTO(JST) researcher. Professor Sakurai has studied based on Organic Synthesis and Organometallic Chemistry. His current research interests include the science of buckybowls, non-planer p-aromatic compounds, and the development of metal nanocluster catalysts.



**Jatuporn Wittayakun**

*School of Chemistry, Institute of Science, Suranaree University of Technology, Thailand*



**Khamphee Phomphrai**

*Department of Chemistry, Faculty of Science, Mahidol University, Thailand*



**Kotohiro Nomura**

*Department of Chemistry, Tokyo Metropolitan University (TMU), Japan*

*Topic: Design of Efficient Molecular Catalysts for Olefin Coordination Insertion/Metathesis Polymerization*

Kotohiro Nomura accomplished his master degree from University of Tokyo in 1988, and joined as a research scientist in Sumitomo Chemical Company, Ltd. He received his Ph.D. degree in 1993 from Osaka University, and joined a group of Prof. Richard R. Schrock [Massachusetts Institute of Technology (MIT), USA] as a postdoctoral fellow for two years. In 1998, he moved to Nara Institute of Science and Technology (NAIST) as an Associate Professor on occasion of establishment of the Graduate School of Materials Science. In 2010, he promoted to the Department of Chemistry, Tokyo Metropolitan University as a full professor. His recent research projects especially focus on design of molecular catalysts for precise olefin polymerization, metathesis reactions, and chemospecific organic transformations. He has co-authored over 160 publications including reviewing articles and book chapters. He has also been an editorial board member in J. Mol. Catal. A: Chemical (Elsevier B.V.) since 1995.



**Song Gao**

*State Key Laboratory on Rare Earth Materials Chemistry and Applications, College of Chemistry and Molecular Engineering, Beijing University, China*



**Susumu Kitagawa**

*Department of Synthetic Chemistry and Biological Chemistry, Graduate School of Engineering, Kyoto University, Japan*



**Teerakiat Kerdcharoen**

*Faculty of Science, Mahidol University, Thailand*

**Thawatchai Tuntulani**

*Department of Chemistry, Faculty of Science, Chulalongkorn University, Thailand*

#### Materials and Polymer Chemistry



**Alastair North**

*Polymer Science, Mahidol University, Bangkok, Thailand*

*Topic: Molecular Motion in Polymers: Solving an Education Problem*



**Chanchana Thanachayanont**

*National Metal and Materials Technology Center, Thailand*

*Topic: Hybrid CdS-MEH:PPV Hole Transport Layers in Solid-state Dye Sensitized Solar Cells*



**George V. Franks**

*Department of Chemical and Biomolecular Engineering, Australia*

*Topic: Colloidal Ceramic Powder Processing for Complex Shape Forming: Gelcasting, Tape casting and Slip casting*



**Kohji Tashiro**

**Toyota Technological Institute, Japan**

*Topic: Structural Study of Crystalline Polymers with Excellent Functionalities*



**Mas Subramanian**

**Milton Harris Professor of Materials Science, Department of Chemistry, Oregon State University, USA.**

*Topic: Functional Materials by Design: The Exciting Role of Materials Chemistry*



**Michael O'Keeffe**

**Arizona State University, USA**

*Topic: Periodic Nets and the Designed Synthesis of Porous Materials*

Michael O'Keeffe received his degrees, B. Sc. 1954, Ph. D. 1958, D. Sc. 1976 from the University of Bristol (England). He was a research scientist at Philips (Netherlands) 1958-1959, then a research associate at Indian University (USA) 1960-1962. In 1963 he joined the Chemistry Department at Arizona State University where he is now Regents' Professor of Chemistry. He has studied many aspects of materials chemistry including defects, diffusion, ionic conductivity and the chemistry of oxides and nitrides. His present research is particularly devoted to the enumeration and taxonomy of periodic nets and the use of this knowledge in the designed synthesis of porous materials. He has nearly 300 publications including a monograph, two edited books, 17 papers in Nature and 10 in Science.



**Pitt Supaphol**

**Polymer Engineering at Petroleum and Petrochemical College, Chulalongkorn University, Thailand**

*Topic: Research Endeavor on Bone Tissue Engineering at Chulalongkorn University*

Prof. Supaphol received his doctoral degree in Polymer Engineering from the University of Tennessee at Knoxville in 1999. He then joined the Petroleum and Petrochemical College as a lecturer in 1999. He has been promoted to a full professor, since March 2008. During his tenure, he has received numerous awards, e.g., a Thailand's Young Scientist Award from the Foundation for the Promotion of Science and Technology under the Patronage of H.M. the King in 2002, an Outstanding Researcher Award from Chulalongkorn University in 2007, The Highest Citation Award from Chulalongkorn University in 2008, and, most recently, an Outstanding Researcher Award in the field of Chemical and Pharmaceutical Sciences from the National Research Council of Thailand (NRCT) in 2009. He has co-authored 152 published and soon-to-be published articles.



**Randall Lee**

**University of Houston, USA**



**Srinivasan Natarajan**

**Solid State and Structural Chemistry Unit, Indian Institute of Science, India**

*Topic: Synthesis, Structure and Properties of New Functional Inorganic Framework Materials*



**Suwabun Chirachanchai**

**The Petroleum and Petrochemical College, Chulalongkorn University, Thailand**

*Topic: Molecular Design and Synthesis of Heterocyclics for Proton Transfer System in Polymer Electrolyte Membrane Fuel Cell*

Associate Professor Suwabun Chirachanchai graduated from Osaka University, Japan, in 1989. He continued his PhD at the Osaka University in applied fine chemistry and graduated in 1995. In 1999, he was promoted as Assistance Professor and, then, Associate Professor in 2003 at the Petroleum and Petrochemical College, Chulalongkorn University. Assoc. Prof. Suwabun leads a team of 10-15 researchers working at the functional polymer, polymer modification, chitin-chitosan, polymer electrolyte membrane fuel cells and biodegradable plastics. He has published over 60 peer reviewed research papers, over 70 conference abstracts and 7 patents. Awards include Overseas Research Grant Award (2003), Thailand Innovation Awards (2007) and Best National Researcher (2009).



**Tawechai Amornsakchai**

**Department of Chemistry, Faculty of Science, Mahidol University, Thailand**

*Topic: PE – Organoclay Composites Fibers*

Taweechai Amornsakchai obtained his bachelor degree in Industrial Chemistry from King's Mongkut Institute of Technology Ladkrabang in 1989. He obtained a scholarship from Thai Government to pursue a Ph.D. in Polymer Physics in UK. He received his Ph.D. degree in 1994 from University of Leeds, where he worked under the supervision of Professor Ian M. Ward, FRS. He returned to Thailand to work at department of chemistry, faculty of science, Mahidol University in 1994. He spent a year in Professor David C. Bassett, University of Reading, working on structure and properties of new generation polyethylenes. His research interests include production of high strength and high modulus fibers and their applications and also polymer nanocomposite. He has co-authored more than 30 articles.



**You Song**

**Inorganic Chemistry, Nanjing University, China**

*Topic: Octacyanometallate-based Low-dimensional Magnets*

Professor, State Key Laboratory of Coordination Chemistry and School of Chemistry and Chemical Engineering, Nanjing University, P.E. China

You SONG received his master degree from Northeast Normal University in 1991 and Ph.D. degree from Nanjing University in 2000. From 2000 to 2002, he worked in Hashimoto Laboratory as a STA and JSPS fellow in Tokyo University and Kanagawa Academy of Science and Technology. He went back to Nanjing University in 2003 and became an Associate Professor in 2005. In 2005 and 2006, he visited Academic Sinica and National Taiwan University for twice as a short-time academic visitor of "Aim for Top University Project". In December 2009, he was moved up to a full professor of Nanjing University. He works in the area of functional coordination chemistry. Much of his works focuses on the design, synthesis and properties of molecule-based magnets, ferroelectrics and multiferroics. He has co-authored over 140 publications until now.

## Natural Products, Chemical Biology and Medicinal Chemistry



**Apichart Suksamran**

**Department of Chemistry, Faculty of Science, Ramkhamhaeng University, Bangkok**



**Mary Garson**

**School of Molecular and Microbial Sciences, The University of Queensland, Australia**



**Koichi Yoneyama**

**Weed Science Center, Utsunomiya University, Japan**

*Topic: Strigolactones Function in Plants and in the Rhizosphere*

Koichi Yoneyama accomplished his master degree from University of Tokyo in 1978, and joined as an assistant professor in Utsunomiya University. He received his Ph.D. degree in 1983 from University of Tokyo. He promoted to associate professor in 1985 and to full professor in 1998. His recent research projects focus on chemical communications between parasitic plants and their hosts, plant hormones, and allelopathy. He has co-authored over 120 publications. He received an award for young scientists from Japan Society for Biochemistry, Biotechnology, and Agrochemistry, award from Japan Society for Chemical Regulation of Plants, and award from Pesticide Science Society of Japan.



**Patoomratana Tuchinda**

**Department of Chemistry, Faculty of Science, Mahidol University, Thailand**



**Stephen G. Pyne**

**University of Wollongong, Australia**

*Topic: Stemona Alkaloids and Derivatives with Potential Agricultural and Medical Applications*

Professor Pyne received his Ph.D. from the Australian National University in 1979 with Prof. L. N. Mander. He held post-doctoral research positions with Prof. P. L. Fuchs at Purdue (1979-1981) and with Prof. E. J. Corey at Harvard (1981-1983). He has been on the academic staff at the University of Wollongong since 1985. He was appointed to Professor in 1998. He has been Von Humboldt Research Fellow (University of Marburg, 1993) a Rhone Poulenc Fellow (Strasbourg, 1994) and a visiting Professor, at the Max Planck Institute für Kohlenforschung, Mulheim, Germany (1998). He has published over 190 journal publications, 9 chapters and 7 patents. He is on the editorial advisory board of Current Organic Synthesis and Natural Product Communications.



### David O'Hagan

**Centre for Biomolecular Sciences, University of St Andrews, UK**

*Topic: A Fluorination Enzyme (Fluorinase): Mechanism and Applications*

Professor David O'Hagan was born in Glasgow in 1961 and studied chemistry at the University of Glasgow (1982). He moved to the University of Southampton to carry out a Ph.D (1985) under Professor John A Robinson (now University of Zurich) and then he spent a postdoctoral year at the Ohio State University with Professor Heinz G Floss. In 1986 he was appointed to the University of Durham where he established a strong interest in organo-fluorine chemistry. He remained at Durham until 2000 before moving to his current position as Professor and Head of Organic Chemistry at the University of St Andrews. He has wide ranging research interests in organo-fluorine chemistry extending from synthesis and properties to medicinal chemistry and enzymology and through to fluorinated organic materials. He was a founding member and a past Chair of the Royal Society of Chemistry, Fluorine Subject Group. He was awarded the RSC Malcolm Campbell Memorial Prize in Medicinal Chemistry in 2005, was a recipient of the RSC Tilden Medal in 2006/2007 and was awarded the RSC Natural Product Reports Lectureship in 2009. He has published ~185 research papers.



### Khanit Suwanborirux

**Department of Pharmacognosy and Pharmaceutical Botany, Faculty of Pharmaceutical Science, Chulalongkorn University, Thailand**



### Ning-Hua Tan

**State Key Laboratory of Phytochemistry and Plant Resources in West China, Kunming Institute of Botany, Chinese Academy of Sciences, China**



### Vatcharin Rukachaisirikul

**Department of Chemistry, Faculty of Science, Prince Songkla University, Songkhla, Thailand**



### Kenji Matsui

**Graduate School of Medicine, Yamaguchi University, Japan**

*Topic: Green Leaf Volatiles: Their Formation and Ecological Relevance*

Kenji MATSUI accomplished his master degree from Kyoto University in 1986, and moved to Yamaguchi University as an assistant professor in 1987. In 1991, he received his Ph.D. degree from Kyoto University. In 1994, he promoted to an associate professor, then to a full professor in 2005. From 1996 to 1997 he joined as a visiting scientist in Calgene, USA. In 2000, he received The Japan Bioscience, Biotechnology and Agrochemistry Society Award for the Encouragement of Young Scientists. His recent research projects focus on volatile compounds formed by plants. Especially, he works on the mechanism of formation of the volatiles, and also on the ecological relevance of the volatiles. He has co-authored about 100 publications including reviewing articles and book chapters.



### Zhu-Jun Yao

**Professor and Principle Investigator, Shanghai Institute of Organic Chemistry**

**Cyrus Tang Chair Professor, Nanjing University, P.R. China**

*Topic: Discovery of New Bioactives through Synthetic Chemistry of Natural Products*

Zhu-Jun Yao accomplished his bachelor degree from Fudan University (Shanghai) in 1990, and then joined the Shanghai Institute of Organic Chemistry (SIOC) as a graduate student. He received his Master and Ph.D. degree with honors in 1992 and 1995 from SIOC, respectively. He was appointed as a Cyrus Tang Chair Professor at Nanjing University in May 2009. His recent research projects focus on synthetic chemistry of bioactive natural products, natural product-like chemistry, and natural product-based chemical biology. He has co-authored over 120 papers in peer-review journals, 11 chapters, 4 books, and 16 patents. He has also been an editorial board member of 7 chemistry journals since 2003.



### Masahiko Isaka

**National Center for Genetic Engineering and Biotechnology, National Science and Technology Development Agency, Thailand**

## Organic Chemistry and Green Chemistry



**Kevin Burgess**

*Department of Chemistry, College of Science, Texas A&M University, USA*



**Oliver Reiser**

*University of Regensburg, Institute of Organic Chemistry, Germany*



**Choon-Hong Tan**

*Department of Chemistry, National University of Singapore, Singapore*

*Topic: Chiral Bronsted Base Catalyzed Enantioselective Reactions*

**Chul-Ho Jun**

*Department of Chemistry, Yonsei university, Korea*

*Topic: Transition Metal-Catalyzed Activation of Unreactive Bonds in Organic Synthesis and Material Sciences*



**Daniel Romo**

*Department of Chemistry, Texas A&M University, College Station, USA*

**Fumitoshi Kakiuchi**

*Department of Chemistry, Faculty of Science and Technology, Keio University, Japan*

*Topic: Catalytic Carbon-Carbon Bond Formation via Unreactive Carbon Bond Cleavage*



**Jonathan S. Lindsey**

*Glaxo Distinguished University Professor of Chemistry, North Carolina State University, USA*

Jonathan S. Lindsey received his B.S. Degree (with Distinction and Honors) in Chemistry from Indiana University in 1978 and Ph.D. from The Rockefeller University in 1983. His doctoral and postdoctoral work with Dr. David C. Mauzerall concerned the synthesis and photochemical characterization of a model for the reaction center of photosynthetic bacteria. After 12 years on the faculty at Carnegie Mellon University, he joined NC State University in 1996. His research concerns fundamental studies of the synthetic chemistry and photochemistry of compounds that constitute the "pigments of life" (heme, chlorophylls, bacteriochlorophylls, vitamin B12, etc.) and their use in artificial photosynthesis, molecular electronics, and the life sciences. He has developed new methods for the synthesis of porphyrins, chlorins, and bacteriochlorins. An extension of this work has led to his discovery of a new route to plausibly prebiotic porphyrins, which could form the basis for the origin of proto-photosynthesis.



**Pher G. Andersson**

*Department of Chemistry, University of Uppsala, Sweden*

## Physical and Theoretical Chemistry



**Jumras Limtrakul**

*Department of Chemistry, Faculty of Science, Kasetsart University, Thailand*

**Kwang S. Kim**

*Center for Superfunctional Materials, Department of Chemistry, Pohang University of Science and Technology, Korea*

*Topic: Functional Molecules and Molecular Electronics/Spintronics/Nano-Optics*



**Can Li**

*Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China*

**Harry J. Whitlow**

*University of Jyväskylä, Finland*

*Topic : Analytical use of Ion Accelerators in Chemistry*

Harry J. Whitlow obtained a BSc(hons) from the University of Bath UK

1976 then a MSc from CNNA, UK followed by a DPhil from the University of Sussex, UK in 1980. He was awarded a DSc degree by the University of Bath in 1999. In 1981 he was postdoctoral Fellow at the University of Aarhus, Denmark; then positions at the University of Helsinki (83-85), Finland and Uppsala University and the Royal Institute of Technology (85-90) and Lund University, Sweden where he became professor in 2000. In 2004 he was appointed professor of experimental materials physics at the University of Jyväskylä. Prof. Whitlow's research theme is on the application of particle accelerators for materials analysis and modification. In particular, MeV ion beam lithography for microfluidic analytical tools and analysis on a nanometre scale. He has published 160 papers and edited two books.



**Vudhichai Parasuk**

*Department of Chemistry, Chulalongkorn University, Thailand*



**Ayyappanpillai Ajayaghosh**

*National Institute for Interdisciplinary Science and Technology (NIIST), CSIR, Trivandrum, India*

*Topic: Excitation Energy Transfer in pi-Gels*

Ayyappanpillai Ajayaghosh is a native of Quilon, Kerala. He obtained his Bachelor's degree in Chemistry from Kerala University in the year 1982 and received M. Sc. (1984) and Ph. D (1988) in Chemistry from Calicut University Chemistry Department. He is a recipient of the Young Scientist Medal of the Indian Science Congress Association (1988), Young Scientist Medal of the Indian National Science Academy (1991), the Bronze Medal of the Chemical Research Society of India (2002), the Materials Research Society of India Medal (2007), the Shanti Swarup Bhatnagar Prize for chemical sciences in the year 2007 and the Thomson Reuters Research Excellence Award 2009. Currently he is the Head, Chemical Sciences and Technology Division of NIIST. He is also a Raja Ramanna Fellow of DST and DAE-SRC Outstanding Researcher of the Dept. Atomic Energy, Govt. India. His research interests are in the area of photonically and electronically active organic and macromolecular materials, particularly the supramolecular chemistry of functional dyes and conjugated systems, molecular self-assemblies and nanostructures, organogels, light harvesting assemblies and molecular probes. He has published 87 research articles and two book chapters.



**Anan Tongraar**

*Suranaree University and Technology, Thailand*



**Pornthep Sompornpisut**

*Department of Chemistry, Chulalongkorn University, Thailand*



**Vannajan Sanhiran Lee**

*Department of Chemistry, ChiangMai University, Thailand*



**Supot Hannongbua**

*Department of Chemistry, Chulalongkorn University, Thailand*

The Scientific Committee of 14<sup>th</sup> Asian Chemical Congress (14ACC) invites all delegates to submit abstracts consisting of original research work for oral and poster presentation. To maintain high scientific standards at the congress, only abstracts that pass through a rigorous peer review process will be presented. The deadline for Oral / Poster abstract submission is **25 January 2011**, and notification of acceptance will be sent by **15 February 2011**. The deadline for Poster abstract submission is **31 May 2011**, and notification of acceptance will be sent by **15 June 2011**. ONLY presenting authors who have registered and paid by **15 July 2011** will be added to the final program. The registration can be made through the Congress website [www.14acc.org](http://www.14acc.org).

## Abstract Submission Guidelines:

1. All abstracts must be submitted online ONLY, through the congress website [www.14acc.org](http://www.14acc.org).
2. All abstracts must be submitted in English, in Microsoft Word format, with written text limited to 300 words (no tables, diagrams, photograph are allowed).
3. Written text should be single spaced, point size 12, using Times New Roman font.
4. The title of the abstract should be in CAPITAL LETTERS (except for name), bold and centered on the page in 16-point Times New Roman font.
5. Author names must be typed in 10-point Times New Roman, and should be centered on the page. All names must be in the format of "First name Last name". The name of the presenting author is underlined, and the name(s) of corresponding author(s) is(are) indicated by an asterisk.
6. The abstract must contain original research material, not be published or presented at any other international congress prior to the 14<sup>th</sup> Asian Chemical Congress (14ACC).
7. The submitted papers will remain the property of the 14<sup>th</sup> Asian Chemical Congress (14ACC). The Scientific committee reserves the rights to publish and distribute.
8. ONLY author with accepted abstract will receive the confirmation via submitted Email and announced in the congress website. For further information, please contact the organizer's office at +662 956 1580 or E-mail to [conference@14acc.org](mailto:conference@14acc.org)

## Topic Areas:

- Analytical and Environmental Chemistry
- Materials and Polymer Chemistry
- Inorganic Chemistry and Nanochemistry
- Physical and Theoretical Chemistry
- Organic Chemistry and Green Chemistry
- Natural Products, Chemical Biology and Medicinal Chemistry
- Chemical Education
- Industrial Chemistry & Innovation

## Young Chemist Awards:

Young Ph.D. chemists are invited to apply for the Young Chemist Awards, which are in recognition of outstanding original research work. The 14ACC's congress registration fee will be waived to the successful candidates.

The award is open to young scientists below the age of 40 from developing and economically disadvantaged countries, coming from academia, government or industry. Only original research work in the above mentioned topic areas, which are wholly carried out in a developing or economically disadvantaged countries and have not previously published, will be considered for the award. Applicants should submit their oral or poster presentation abstract in advance of their award application. These abstracts will undergo the same scientific peer review as other submissions and only accepted abstracts will be eligible for the application. Applicants are not required to be a member or affiliate of IUPAC or the RSC to be eligible for a Young Chemist Award. Please note if you have submitted an application you should have received an acknowledgement. Applicants will be informed of the outcome of their application by **15 February 2011**.

The 14<sup>th</sup> Asian Chemical Congress (14ACC) are arranged to feature a combination of presenting the exotic culture and spectacular Thai. These are organized in special theme party which you will enjoy memorably.



#### Opening Ceremony

**Plenary Hall 3, QSNCC**

**Monday, 5 September 2011**

[Fee is included in the registration fee.](#)

It is the honor having Her Royal Highness Princess Chulabhorn presiding over the opening ceremony and giving special keynote lecture.



#### Welcome Reception

**Plenary Hall 3, QSNCC**

**Monday, 5 September 2011**

[Fee is included in the registration fee.](#)

A warmth and special welcome program is prepared for all participants of 14ACC. The program has the idea of letting you feel the friendliness and heritage culture of Thai. An activity is prepared to allow the delegates to get to know each other as well as to mingle with the top notch and high caliber speakers. A magnificent Thai performance will also be presented during this ceremony. After the performance, a delicious cocktail will be served to participants.



#### Cultural Tour: Grand Palace Tour

**Monday, 5 September 2011**

**13:00 – 16:00**

[Ticket: Complimentary for international delegates and accompanying ONLY](#)

Every traveler should visit the Royal Grand Palace at least once. It is the nation's landmark and the most praised royal monument in Thailand.

The 61-acre complex includes: Wat Phra Kaeo, the holiest Buddhist site in the country, housing the most important image, the Emerald Buddha; the Golden Chedi; the Pantheon of the Chakri Kings; and the Eight Colored Towers. Please dress respectfully by not wearing T-shirts, shorts or sandals when visiting these.



#### Banquet: Aksara Theatre

**Wednesday, 6 September 2011**

[Ticket: 25 February – 30 June 2011:](#)

USD 70

[1 July – On-site:](#)

USD 90

[Remark: Ticket is included transfer from QSNCC to Aksara theatre.](#)

This is an evening of socialization and acquaintances. A night of opportunity for both delegates and speakers to mingle with each other and to share and exchange scientific ideas in order to advance the technology and practices for the best successful future of chemistry.

Delectable and tasty Thai cuisine and international food buffet will be served to all participants at the Ramayana Restaurant.

Guests will move to the grand Aksara Theatre which provides a grandeur and majestic atmosphere. This theatre is decorated with soft and artistic movement of the Thai carvings in Baroque style. Delegates will immensely enjoy the entertainment and international performance surprises. Shows also include a special performance by the "Aksara Small Puppeteer". A complete and full stream show of the country's well known puppet performer Joe Luis will also be witnessed.

#### Closing Ceremony

**Plenary Hall 3, QSNCC**

**Thursday, 8 September 2011**

[Fee is included in the registration fee.](#)

The congress organizing committee has reserved blocks of rooms at nearby hotels for delegates' convenience, which the committee is obliged to fill.

Due to the limited number of rooms, early hotel reservation is highly recommended. Further hotel information will be updated at [www.14acc.org](http://www.14acc.org).

The hotel has been booked for the congress period. Reservation will be processed in order of receipt of application form. If the hotel of your first choice is fully booked, you will be assigned to a room at a hotel of the same grade.

Hotel	Room Type	Rate (THB)		Distance to Congress Venue
		Single	Twin	
The Westin Grande Sukhumvit	Deluxe	THB 5,500	THB 6,000	MRT station is just in front of hotel / 1 MRT station to venue <i>*Complimentary MRT refillable pass at value of THB 100 nett per room per stay</i>
	Executive Club	THB 7,000	THB 7,500	
Grand Millennium Sukhumvit	Deluxe	THB 5,000	THB 5,400	5 minutes walk to MRT station / 1 MRT station to venue
	Grand Deluxe	THB 5,500	THB 5,900	
	Executive Club	THB 6,500	THB 6,900	
S31 Sukhumvit Hotel	Deluxe (Free Internet)	THB 3,750	THB 3,750	15 minutes walk to venue
Imperial Queen's Park Hotel	Deluxe	THB 3,200	THB 3,500	5 minutes walk to BTS station / 1 BTS and 1 MRT station to venue <i>*Complimentary round trip transfer to/from QSNCC on event days</i>
	Premier (Free Internet)	THB 3,600	THB 3,900	
	Premier Suite (Free Internet)	THB 5,000	THB 5,500	
Furama Xclusive	Deluxe (Free Internet)	THB 3,000	THB 3,300	5 minutes walk to MRT station / 1 MRT station to venue <i>*Complimentary MRTpass per day</i>
	Premier (Free Internet)	THB 3,500	THB 3,800	
Grand Mercure Fortune	Superior	THB 2,900	THB 3,100	MRT station is just in front of hotel / 2 MRT stations to venue
	Deluxe (Free Internet)	THB 3,400	THB 3,600	
The Imperial Tara	Standard (Free Internet)	THB 2,400	THB 2,700	8 minutes walk to BTS station / 1 BTS and 1 MRT station to venue <i>*Complimentary round trip transfer to/from QSNCC on event days for minimum 8 persons</i>
	Deluxe (Free Internet)	THB 3,000	THB 3,300	
Imm Fusion Sukhumvit	Superior (Free Internet)	THB 1,500	THB 1,500	5 minutes walk to BTS station / 5 BTS stations and 1 MRT station to venue <i>*Complimentary BTS pass per day</i>
	Deluxe (Free Internet)	THB 2,200	THB 2,200	

Exchange rate: 1 USD rate / approximately THB 33

**Remark:**

All room rates quoted are in Thai Baht per room per night inclusive of daily breakfast, 10% service charge and prevailing government taxes and valid until 31 July 2011. In case if Thai government increases the percentage of tax collected on room or imposes additional tax/levies, the hotel reserves the right to increase the percentage of tax accordingly.

**Reservation terms and conditions:**

- All reservations are on a first come basis & subject to availability.
- One night non-refundable deposit is required upon confirmation of your accommodation.
- A cancellation charge equivalent to one night room charge is levied in the event of cancellation for each confirmed reservation.
- Any cancellation made on/after 5 August 2011 is subject to full cancellation charge based on full length of stay as per original room reservation request.
- Any refund, if any must be settled within 7 days after the event closed.
- In the event of early departure or no show, the full length of stay based on original reservation at the same time of booking is levied.

## Half Day Grand Palace & Emerald Buddha Temple, Bangkok



**Time Schedule:** Daily: am / pm

**Tour Description:** Visit the Royal Palace Grounds and the spectacular Wat Phra Kaew with its Emerald Buddha, Golden Chedi, Pantheon of Kings and Towers of Nine Planets.

**Remarks:** *Movie cameras (8mm. only) and still cameras are allowed in the Royal Palace Grounds and in the compound of the Emerald Buddha Temple. However, cameras can not be used inside buildings.*

*All visitors must wear proper attire. Men must wear full length trousers (no bermuda or shorts). Women's skirt must be at least knee length; no tights, no see-through.*

## Half Day City & Temples, Bangkok



**Time Schedule:** Daily: am / pm

**Tour Description:** A tour of the capital, featuring three enchanting temples: Wat Benchamabopit, the ornate Italian Marble Temple; Wat Po, famous for its colossal "Reclining Buddha" image; and Wat Traimit with its 5 ½ tons solid gold Buddha image.

**Remarks:** *Shorts are not allowed.*

## Half Day Jim Thompson's House & Suan Pakkad, Bangkok



**Time Schedule:** Daily: am / pm

**Tour Description:** Visit Jim Thompson's world famous Thai House that contains a superb collection of Thai and Asian art objects. Then visit the unique Lacquer Pavilion at Suan Pakkad Palace decorated with 17th century murals in gold leaf and magnificent wood carvings. See a collection of rare antiques comprising every branch of Thai art including prehistoric earthenware from Baan Chiang.

## Half Day Rose Garden, Nakorn Pathom



**Time Schedule:** Daily: pm

**Tour Description:** Visit the enchanting Rose Garden, a superbly landscaped tropical park nestling against the bank of one of Thailand's most idyllic rivers. Enjoy the colorful Thai Village Show, Buddhist ordination, sword fighting, elephants at work, folk dances and traditional Thai wedding ceremony.

## Full Day Ayutthaya & Bang Pa-In, Ayutthaya



**Time Schedule:** Daily: am

**Tour Description:** Depart by air-conditioned coach to visit the ruins of Ayutthaya, former capital of Thailand. Continue to visit the beautiful Bang Pa-In Summer Palace, then return to Bangkok by cruising along the Chao Phya River on a luxurious motor launch. Lunch will be provided on board.

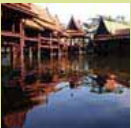
## Full Day River Kwai, Kanchanaburi



**Time Schedule:** Daily: am

**Tour Description:** Full day tour to Kanchanaburi and River Kwai to visit the Cemetery of the Allied prisoners of World War II and the world renowned bridge over the Rive Kwai. You will have opportunity to take a train ride along the unforgettable Death Railway.

## Half Day Ancient City Samut Prakarn



**Time Schedule:** Daily: am / pm

**Tour Description:** At the Ancient City, built on a 200-acre site, are reproductions of historical Thai architecture featuring famous shrines, palaces and stupas. Each Thai province is represented and all structures are realistically reproduced to the scale of 1:3 to 3:4 of the originals. All reproductions have been expertly created so as to maintain the brilliance of the original works of art and architecture.

## The World's Largest Golden Teakwood Mansion "Vimarnmek", Bangkok



**Time Schedule:** Daily: am / pm

**Tour Description:** Vimarnmek, the largest golden teakwood structure in the world that teems with memories of the court of King Chulalongkorn (Rama the Fifth) at the turn of 20th century. For six years it was the residence of the King whose reign covered the all-important period of transition between conservative "old" and progressive "new" in the modern history of Thailand.



### CENTRAL DRAMATIC

The Central region has a dramatic history, and its heritage of ancient temples, battlefields and ruins are a continuing fascination for visitors.

- 3 Days 2 nights package program for Bangkok



### NORTHERN DELIGHT

The North is the birthplace of the earliest Thai civilization and has many sites of archaeological and cultural interest. Northern people are famous for their courtesy and hospitality, and the region is also noted for its variety of cultural traditions.

- 3 Days 2 nights package program for Chiangmai



### SOUTHERN TREASURES

This region extends southward along a narrow peninsula lying between the Andaman Sea its west side and the South China Sea on the east.

- 3 Days 2 nights package programs for Phuket, Krabi and Samui Island



### SIEM REAP – A JEWEL OF INDOCHINA

Siem Reap is the major tourist hub in Cambodia. Historical quotes from early visitors to Angkor.

- 3 Days 2 night package program for Siem Reap



### MYANMAR – A LAND OF ENTHRALLING BEAUTY

The capital of Yangon is a contrasting city of Old World Colonial charm and yet modern too. It is with many enchanted temples and surrounded by mountains.

- 3 Days 2 nights package program for Yangon



### LAOS – THE LAND OF A MILLION ELEPHANTS

Laos has a rich history stretching back 10,000 years. Landlocked and laid-back, it's a unique spin on the Southeast Asia experience.

- 3 Days 2 nights package program for Luang Prabang

**OFFICIAL TRAVEL AGENCY**  
**SEA TOURS Co., Ltd.**

Contact Person: Mr. Akanit Ngamjitpattarapong

Suite Nos. 88-92, 8th Floor, Payatai Plaza, 128 Phythai Road, Rajthavee, Bangkok 10400, Thailand

Tel: +662 216 5783-93 (10 lines) Fax: +662 216 5757-58 (2 lines) E-mail: [akanit@seatoursthai.com](mailto:akanit@seatoursthai.com)

Booth Size	Early Bird (Until 31 Dec 2010)	Standard (Until 30 Apr 2011)
6mx3m (Raw Space)	US\$ 3,960	US\$ 5,040
3mx3m (Shell Scheme)	US\$ 2,250	US\$ 2,790

Exclusive of 7% VAT

## Exhibition Booth Package includes:

- Promotion as an exhibitors via company name and logo listed in the final program
- Exhibition booth comprising of 2.5m. high walling, 1 light and 1 power point
- Fascia name board
- Catering for up to 2 staffs working on each 3mx3m exhibition booth (does not access to sessions)
- Free enter Opening Ceremony and Welcome Reception
- Banquet tickets are available for purchase
- Maximum area available to Non-Prime Partner and Non-Sponsors is 18 m2

For further information on Sponsorship & Exhibition Opportunities, please contact the Congress Office:  
ProCongress (Thailand) Co., Ltd.

4/383 Moo 6, Soi Nakniwas 37, Nakniwas Rd., Ladprow, Bangkok 10230 Thailand

Tel: +662 956 1580

Fax: +662 932 2254

Email: [alcharat@procongress.net](mailto:alcharat@procongress.net)

## Congress Venue: Queen Sirikit National Convention Centre

The Queen Sirikit National Convention Center (QSNCC) was officially opened by Their Majesties King Bhumibol Adulyadej and Queen Sirikit in August 1991 in honor of Her Majesty's 60<sup>th</sup> birthday the following year. A highly sophisticated multi-purpose facility and world-class meeting venue, the QSNCC is a triumph of modern Thai architecture, having been specifically designed to meet the almost limitless demands of today's international conference planners and exhibition organizers.

Location: With a unique lakeside setting on Rachadapisek Road in the heart of Bangkok's central business district, the QSNCC has excellent access to Bangkok's elevated expressway system and an MRT Underground station is situated in front of the complex. This in turn links with the BTS Sky Train system. The Centre is thus within easy reach of the city's finest hotels, department stores and Suvannabhumi International Airport.

### How to get there:

#### By MRT Underground :

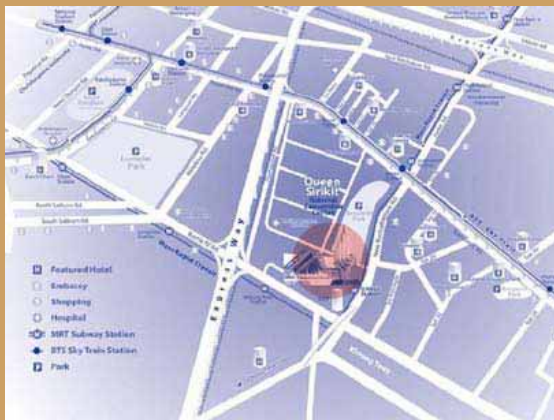
Exit at Queen Sirikit National Convention Centre Station.

#### By BTS Sky Train :

Exit at Asoke Station where the QSNCC is a short ride away by underground, taxi or bus.

#### By private Car :

There is an extensive on-site car parking space for 1,500 vehicles adjacent to the QSNCC and park-and-ride areas at 12 major MRT and BTS stations and also on Saturdays and Sundays at Chamchuri Square (Samyan Intersection) and Jasmine City Building (Sukhumvit23).



## ABOUT BANGKOK, THAILAND:

Bangkok was founded in 1782 by the first monarch of the present Chakri dynasty. It is now the country's spiritual, cultural, diplomatic, commercial and educational hub. It covers an area of more than 1,500 square kilometers, and is home to approximately ten million people - that's more than 10% of the country's population. Over the last few decades, Bangkok, has changed into a modern, exciting and sophisticated city. It offers visitors not only the cosmopolitan amenities they would expect from other big cities, but also a unique treasure trove of cultural attractions. Thailand, in the heart of Southeast Asia, was never colonized and thus kept its unique culture and heritage intact. Bangkok offers visitors the opportunity to experience a fascinating glimpse into Thailand's gentle culture amidst the bustle of a great and dynamic metropolis. This great city has had astounding success in combining the ancient and modern world.

## PEOPLE AND CULTURE:

Languages: Majority speak and write Thai with English widely understood.

Religion: Buddhism (95%), Muslim (4%), Others (1%)

## CLOTHING:

Clothing: Light, cool clothing is recommended and a jacket is needed for formal meetings and dining in top restaurants. Shorts (except knee length bermudas), sleeveless shirts, tank tops and other beachwear are considered inappropriate when not at the beach or in a resort area.

## ELECTRICITY:

The electric current in Thailand is 220 volts at 50 cycles. Electrical plugs of the two-rounded pin type are the most commonly required.

## CURRENCY:

THB is the official currency in Thailand.

Exchange rate is approximately 1 USD = 33 THB.

## LOCAL TRANSPORTATION:

### BTS Sky Train

BTS Sky Train stations are mostly found in commercial areas of Sukhumvit and Silom. BTS Sky trains are convenient, fast and safe. The sky train's fare ranges from 15 THB to 40 THB. Tourists may buy 30-day tourist ticket packages at 250 THB per 10 trips, or opt for day tickets at 100 THB for unlimited trips.

### BMCL Subway

BMCL Subway is another comfortable and fast transportation choice. The Asoke and Silom stations are connected to the BTS. The subway is open daily from 6.00am to midnight.

### Taxis

Taxis in Bangkok are metered. They charge a minimum of 35 THB for the first 3 kilometers, and approximately 5 THB per kilometer thereafter. When in traffic, the meter is timed and calculated in the fare.

### Tuk-Tuk

These three-wheeled 'open-air' motorized taxis are popular for short journeys. Fares must be bargained in advance. Minimum fares, for journeys of up to 3 kilometers, are approximately 30 THB.

### Motorcycle Taxi

Bangkok is famed for its congestion on the roads during rush hours. If you are in a hurry to get somewhere, motorcycle taxis are commended. Fares must be bargained in advance. Minimum fare starts at 10 THB.

## VISA REQUIREMENTS & DEPARTURE TAXES:

To enter Thailand, you will require a passport valid for at least three months from the time of entry. Tourist visas for stays of thirty days or less are issued on arrival at Bangkok airport. An arrival/ departure card will be issued to you on the plane prior to your arrival in Thailand. The departure section of this card must be retained until your departure from Thailand. Please ensure this is kept in a safe place while in Thailand.

### List of countries that required advance visa application before arrival:

1. Bhutan : Kingdom of Bhutan
2. China : People's Republic of China (including Taiwan)
3. Cyprus : Republic of Cyprus
4. Czech : Czech Republic
5. Estonia : Republic of Estonia
6. Hungary : Republic of Hungary
7. India : Republic of India
8. Kazakhstan : Republic of Kazakhstan
9. Latvia : Republic of Latvia
10. Liechtenstein : Principality of Liechtenstein
11. Lithuania : Republic of Lithuania
12. Maldives : Republic of Maldives
13. Mauritius : Republic of Mauritius
14. Oman : Sultanate of Oman
15. Poland : Republic of Poland
16. Russian Federation
17. Saudi Arabia : Kingdom of Saudi Arabia
18. Slovakia : Slovak Republic
19. Slovenia : Republic of Slovenia
20. Ukraine

## EMERGENCY TELEPHONE NUMBERS:

Central Emergency (Police, Ambulance, Fire): 191

Highway Patrol: 1193

Crime Suppression: 195 or +662 513 3844

Tourist Police (English, French, German spoken): 1155

Immigration Bureau: +662 287 3101-10 (10 lines)

## Registration

Early Registration Deadline	25 February 2011
Registration Deadline	30 June 2011

## Abstract

Oral / Poster Submission Deadline	25 January 2011
Oral / Poster Notification	15 February 2011
Poster Submission Deadline	31 May 2011
Poster Notification	15 June 2011
Young Chemistry Awards Submission Deadline	25 January 2011
Young Chemistry Awards Announcement	15 February 2011

## Exhibition

Deadline for Early Rate of Exhibition Booking  
 Deadline for Exhibition Space Booking

## Accommodation

Deadline for Room Cancellation 5 August 2011

## Secretarial Office:

**ProCongress (Thailand) Co., Ltd.**

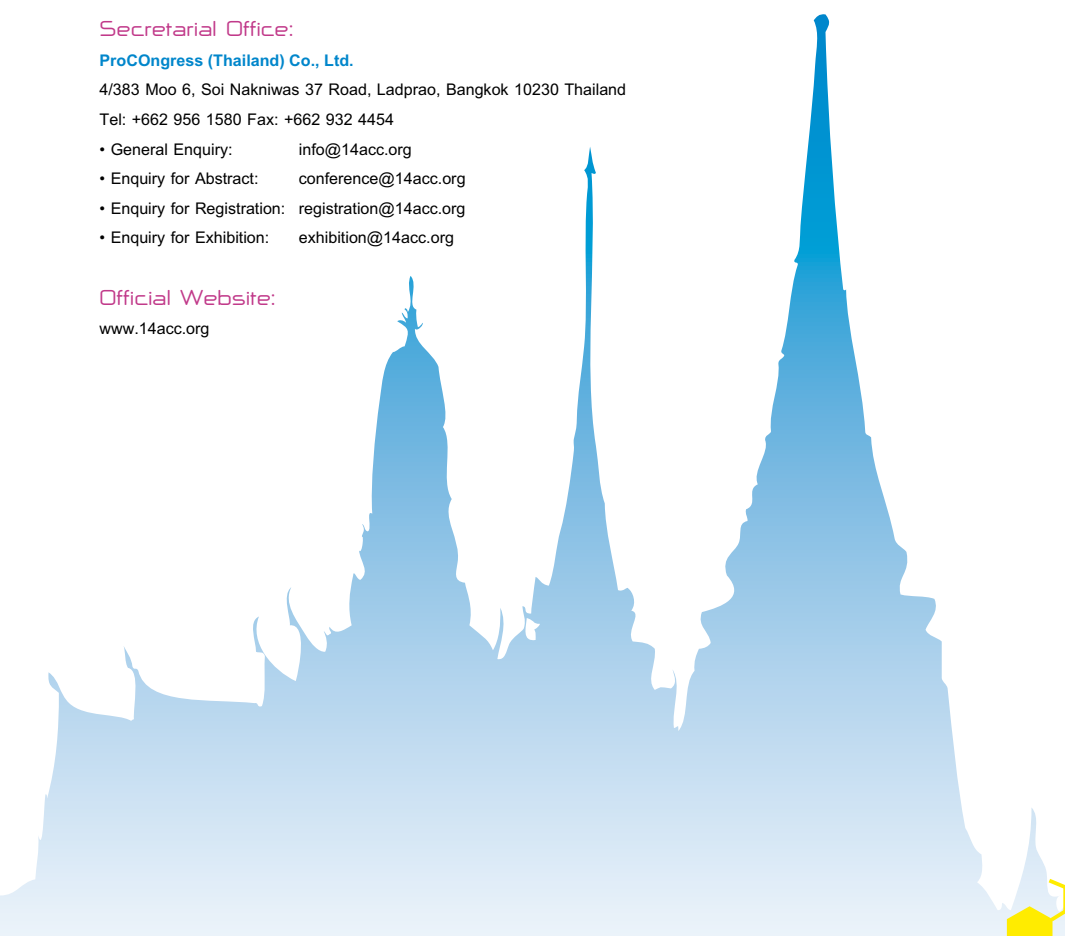
4/383 Moo 6, Soi Nakniwas 37 Road, Ladprao, Bangkok 10230 Thailand

Tel: +662 956 1580 Fax: +662 932 4454

- General Enquiry: [info@14acc.org](mailto:info@14acc.org)
- Enquiry for Abstract: [conference@14acc.org](mailto:conference@14acc.org)
- Enquiry for Registration: [registration@14acc.org](mailto:registration@14acc.org)
- Enquiry for Exhibition: [exhibition@14acc.org](mailto:exhibition@14acc.org)

## Official Website:

[www.14acc.org](http://www.14acc.org)





# 14<sup>th</sup> Asian Chemical Congress 2011

CONTEMPORARY CHEMISTRY FOR SUSTAINABILITY AND ECONOMIC SUFFICIENCY



**ProCongress**

**Congress Office : ProCongress (Thailand) Co., Ltd.**

4/383 Moo6, Soi Nakniwas 37, Nakniwas Rd., Laddprao, Bangkok 10230 Thailand

Tel : +66(0) 2 956 1580 Fax: +66(0) 2932 4454



Email: [alcharatra@procongress.net](mailto:alcharatra@procongress.net)

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