



The 39th CONGRESS ON SCIENCE AND TECHNOLOGY OF
THAILAND (STT39)

“Innovative Science for a Better Life”
นวัตกรรมวิทยาศาสตร์เพื่อชีวิตที่ดีขึ้น



October 21-23, 2013
Bangkok International Trade &
Exhibition Centre (BITEC)
Bangna, Bangkok, Thailand

21-23 ตุลาคม 2556
ณ ศูนย์นิทรรศการและการประชุมไบเทค บางนา กรุงเทพฯ

Organized by :

The Science Society of Thailand under the Patronage of His Majesty the King in association with
the Faculty of Science, King Mongkut's University of Technology Thonburi, Bangkok, Thailand

Conference Activities

The Congress on Science and Technology of Thailand is one of the largest annual national scientific meeting co-organized by the Science Society of Thailand and a host institution, this year is King Mongkut's University of Technology Thonburi. More than one thousand participants from Thailand and abroad attend the conference each year. The aim of the congress is to bring together national and international scientists and technologists as well as young Thai scientists from broad areas of science and technology and to give them an opportunity to share and exchange their knowledge. The congress activities include lectures by renowned Premier Keynote speakers (often a Nobel laureate) and Outstanding Scientists as well as invited speakers and panel discussions. The congress welcomes contributed presentations from various areas of science and technology to be presented orally or in the form of posters. In addition, there are presentation of Innovation Awards, an exhibition of prize-winning high school student inventions, a science forum for children and youths and an exhibition of advanced scientific and technological equipment from hundreds of science & technology-related companies. For more details, please visit our website at <http://www.scisoc.or.th/stt39>.

The 39th Congress on Science and Technology of Thailand (STT 39) *“Innovative Science for a Better Life”*

Scientific Sections*

SECTION 1(A)	MATHEMATICS, STATISTICS & COMPUTER SCIENCE
SECTION 2(B)	PHYSICS & APPLIED PHYSICS
SECTION 3(C)	CHEMISTRY
	(C1) Analytical Chemistry
	(C2) Inorganic Chemistry
	(C3) Organic & Medicinal Chemistry
	(C4) Physical & Theoretical Chemistry
	(C5) Applied Chemistry
SECTION 4(D)	MATERIALS SCIENCE & POLYMER
SECTION 5(E)	BIOMEDICAL SCIENCE
SECTION 6(F)	BIOCHEMISTRY & BIOTECHNOLOGY
SECTION 7(G)	BIOLOGY & BIODIVERSITY
SECTION 8(H)	AGRICULTURAL SCIENCE
SECTION 9(I)	FOOD SCIENCE
SECTION 10(J)	ENVIRONMENTAL & ENERGY & EARTH SCIENCES
SECTION 11(K)	SCIENCE EDUCATION & COMMUNICATION

**Contributing authors should consult description at <http://www.scisoc.or.th/stt39> before deciding to choose the section to submit your work. Submission to inappropriate section will lead to delayed processing of your work.*

Instructions for Oral and Poster Presentation

Oral presentations should be made using PowerPoint, which should be controlled by the speaker. The oral presentation will be 15 min plus 5 min questions. We strongly encourage presentation in English. All speakers are required to load and check their files before the presentation. A computer and a LCD projector will be provided.

Poster presentations are to be mounted at the allocated area. The content of the poster must be in English and should cover titles, objectives, methodology, results discussion and conclusion. The size should not exceed **90 cm × 120 cm**.

Important Dates:

Submission of papers:	1 May – 15 July 2013
Announcement of interim decision:	by 16 August 2013
Return of abstract correction:	by 23 August 2013
Announcement of final decision:	by 2 September 2013
Early registration:	1 May – 16 September 2013
Late registration:	After 16 September 2013
Registration cancellation:	Before 16 September 2013

*After registration, the fee should be paid in full and the payment notified to the secretarial office by fax (02-2524516) with delegate's name on the document or by e-mail: stt39@scisoc.or.th. Paper submission will be enabled by the system **only after payment is confirmed** (within two working days after the notification). Twenty percent (20%) of registration fee will be deducted in the event of refund (due to withdrawal or rejection). Withdrawal or cancellation requested after 16th September will not be refunded.*

Call for Papers

Registration and submissions of papers must be performed *via* the online submission system at <http://www.scisoc.or.th/stt39>. Two types of contribution are accepted: abstract only or proceedings paper. Both must be prepared in English (see example and template on the website). Contributors must decide between the two types of submissions **at the first submission**. However, in the event that the proceedings paper is incomplete or of insufficient quality, only abstract may be accepted. All submissions are subjected to peer review. Although the review results will be notified by e-mail, we strongly encourage participants to regularly log in to the system after the deadline for the announcement of interim decision (16th August) to ensure prompt revision of their work (if there is any). **The formal acceptance of proceedings papers will be announced at the same time as abstracts (i.e., 2nd Sep 2013).** Full papers of outstanding qualities are eligible for “Innovative Science for a Better Life” awards.

All contributions must follow the guideline below:

- i) All contributions must be original and has not been submitted/published/presented elsewhere in largely identical forms. Contributions that contain plagiarized contents are unacceptable and, if detected, will normally lead to rejection without further processing.
- ii) Maximum length for full paper: 8 pages (including figures and tables); abstract: 1 page (*ca* 200 words). Only one B/W figure or table is allowed at the end of the abstract. Full papers may include more figures/tables as appropriate.
- iii) All submissions must be prepared as Microsoft Word 97-2003 document (.doc only, no .docx), typed on an A4 paper size with margins of 1 inch for all (top, bottom, left, right) using font **Times New Roman 12 pts**. To ensure correct settings, the use of templates which can be downloaded at STT39 web site is strongly encouraged.
- iv) Paragraph style: Single line spacing and fully justified, except for title, authors and affiliations, which should be left-justified. Spacing before paragraphs should be set at 12 pt. Spacing before paragraphs in the same section (eg, abstract with two or more paragraphs, reference heading and reference list) and spacing after paragraphs should be set to 0 pt. Indentation should be made manually by using Tab. Autoindent and autonumber features in Word should be disabled.
- v) All sections must be written in English only. The order of sections should be listed as follow:
 - (1) Title*
 - (2) Authors* and Affiliation*
 - (3) Abstract*
 - (4) Introduction
 - (5) Methodology
 - (6) Results, Discussion and Conclusion
 - (7) References[#]
 - (8) Keywords[#]

Full papers must include all sections, abstracts should include only the sections marked by * (required) or [#] (optional).

The abstract/full paper template can be downloaded from STT 39 website at <http://www.scisoc.or.th/stt39>.

The use of template is a requirement. Papers that do not strictly follow the format will be rejected or returned for format correction before further processing.



For more information please contact: The Organizing Committee

Chairman: Associate Professor Dr. Thararat Supasiri

E-mail: thararat.s@scisoc.or.th

Secretariat office E-mail: stt39@scisoc.or.th **Tel:** 02-2185245, 089-8918044, 089-1497455 **Fax:** 02-2524516



39th Congress on Science and Technology of Thailand (STT39)
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Bangkok International Trade & Exhibition Centre (BITEC),
Bangna, Bangkok, Thailand

STT39 Registration
(For Official use only)

Submission Date.....
Receipt No.....
ID Code.....

1. Name - Surname (Thai) _____
(English) _____
2. Contact Faculty / Department _____ School / Group _____
University / Institute / College _____ Bureau / Company / Organization _____
Address _____
Province _____ Postal Code _____ Telephone _____ Mobile _____
Fax _____ E-mail _____
3. I would like to ☐ Attend the congress
☐ Submit paper (s) as ☐ Oral presentation ☐ Poster Presentation ☐ Oral or Poster Presentation
☐ Apply to "Innovative Science for a Better Life" awards (full paper only)

4. Paper submission

<input type="checkbox"/>	SECTION 1 (A)	MATHEMATICS, STATISTICS & COMPUTER SCIENCE	<input type="checkbox"/>	SECTION 4 (D)	MATERIALS SCIENCE & POLYMER
<input type="checkbox"/>	SECTION 2 (B)	PHYSICS & APPLIED PHYSICS	<input type="checkbox"/>	SECTION 5 (E)	BIOMEDICAL SCIENCE
<input type="checkbox"/>	SECTION 3 (C)	CHEMISTRY	<input type="checkbox"/>	SECTION 6 (F)	BIOCHEMISTRY & BIOTECHNOLOGY
<input type="checkbox"/>	(C1)	ANALYTICAL CHEMISTRY	<input type="checkbox"/>	SECTION 7 (G)	BIOLOGY & BIODIVERSITY
<input type="checkbox"/>	(C2)	INORGANIC CHEMISTRY	<input type="checkbox"/>	SECTION 8 (H)	AGRICULTURAL SCIENCE
<input type="checkbox"/>	(C3)	ORGANIC & MEDICINAL CHEMISTRY	<input type="checkbox"/>	SECTION 9 (I)	FOOD SCIENCE
<input type="checkbox"/>	(C4)	PHYSICAL & THEORETICAL CHEMISTRY	<input type="checkbox"/>	SECTION 10(J)	ENVIRONMENTAL & ENERGY & EARTH SCIENCES
<input type="checkbox"/>	(C5)	APPLIED CHEMISTRY	<input type="checkbox"/>	SECTION 11(K)	SCIENCE EDUCATION & COMMUNICATION

5. How have you heard about this scientific congress?

- | | |
|--|-------------------------------------|
| <input type="checkbox"/> Website | <input type="checkbox"/> Newspaper |
| <input type="checkbox"/> Brochure / Leaflet | <input type="checkbox"/> Radio |
| <input type="checkbox"/> E-mail from Organizer | <input type="checkbox"/> TV |
| <input type="checkbox"/> Colleague / Friend | <input type="checkbox"/> Other..... |

6. Registration Fee

Date of Registration	Member	General	Student (ID. Necessary)	Remark
On or before 16 September 2013	2,000 (Bht.)	2,500 (Bht.)	1,500 (Bht.)	
After 16 September 2013	2,300 (Bht.)	2,800 (Bht.)	1,800 (Bht.)	

Methods of Payment

Bank Transfer to "STT38-39"
Bank: Siam Commercial Bank
Branch: Sukhumvit 101/1
Account Name: STT 38-39
Current Account No: 145-3-00673-2

(Please fax or attach the file of pay-in slip with delegate's name to 02-2524516 or e-mail to stt39@scisoc.or.th.)

Note: This is an example of registration form that you will need to fill upon registration.
All registrations and submission must be done through the online submission system at
<http://www.scisoc.or.th/stt39>

For more information please contact: The Organizing Committee

Chairman: Associate Professor Dr. Thararat Supasiri

E-mail: thararat.s@scisoc.or.th

Secretariat office E-mail: stt39@scisoc.or.th **Tel:** 02-2185245, 089-8918044, 089-1497455 **Fax:** 02-2524516