

The 3rd Asian NIR Symposium

May 14-18, 2012
Amari Watgate Hotel
Bangkok, Thailand



Second Announcement

www.ans2012.com

Asian NIR Consortium Organizing Committee

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KAPI, Kasetsart University

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Vichai Haruthaithanasan (Former

Director of KAPI), Kasetsart University

Yupa Pankaew (Director of KAPI),

Kasetsart University

Greeting from Asian NIR Consortium

It is my great delight that the 3rd Asian Symposium on Near Infrared Spectroscopy is held in Bangkok. Its 1st Symposium was held in Tsukuba, Japan to establish its foundation 4 years ago, followed by its 2nd symposium in Shanghai 2 years later. Our last two gatherings showed an excellent success and made a tremendous contribution to the development of NIR in Asia. Although mainly based in Asia, those from any other regions are also welcome at this symposium. It is now becoming an international symposium transmitted from Asia. I think it is certain that this gathering in Bangkok will give our Asian Symposium on NIRS further development. In Bangkok, in 2009, we had the wonderful International Conference on Near Infrared Spectroscopy. I still remember the heartfelt hospitality and excellent cuisine. This beautiful city attracts a lot of people not only from Asia but also from many areas of the world. I suppose that this fantastic environment will facilitate to deepen our NIR discussion as well as our friendship. Our Asian Symposium on NIRS sees a number of active scientists from many different countries and from such many different fields as food, agriculture, chemistry, medicine, environment, etc. Let us exchange and deepen our discussions to create the circles of our friendship. Let us make this symposium a nice opportunity for the development of NIRS study in Asia. I hope all the participants enjoy themselves at this wonderful symposium.

Best wishes

Yukihiro Ozaki
Chairperson
Asian NIR Consortium

Greeting from Thailand Committee

On the behalf of Thai organizing committee, it is my great pleasure to inform you that the 3rd Asian Near Infrared Symposium (ANS2012) that will be held on May 14-18th, 2012, at the Amari Watergate Hotel in Bangkok, Thailand. I would like to warmly welcome all delegates attending this ANS2012 symposium. In the past decade, NIRS has been significantly developed in Asia and could reflect research capability among Asian countries to establish sustainable knowledge and technology. This symposium has been very well planned with the intention to providing an opportunity for all scientists and many participants to strengthen and enlighten NIRS science and technology for future. It is a great opportunity for all participants to discuss and share their experiences as well as fruitfully find out collaboration among researchers from different countries. I hope that all of you will have a beneficial time to attend this symposium as well as to enjoy the beautiful sights of Bangkok and other provinces in Thailand. I am looking forward to your submission, participation and various levels of sponsorship in this symposium.

With best wishes

Thongchai Suwonsichon
Chairperson
Thailand Committee

Overall Program

May 14-18, 2012

May 14 (Mon)	08.30-17.00	NIR Short Courses (in Thai)
May 15 (Tue)	08.30-16.00 17.00-19.00	CAMO Workshop (in English) Board Meeting for Asian NIR Consortium
May 16 (Wed)	08.00-08.45 08.45-12.00 13.30-17.00 18.30-20.30	Registration Opening, Keynote lecture Oral contributions Invited speaker Oral contributions Banquet
May 17 (Thu)	09.00-12.00 13.30-17.00	Invited speaker Oral contributions Invited speaker Oral contributions Best Poster Award Closing Ceremony
May 18 (Fri)	08.00-18.30	Visit Fruit Orchards in Rayong Province and Pattaya City

Detail Program: May 14th (Mon)

- 08.30-09.00 Registration for short course (in Thai)
- 09.00-09.30 สถานการณ์งานวิจัยและพัฒนา และการใช้ประโยชน์เทคโนโลยี NIRS ในประเทศไทย
- 09.30-10.00 การใช้ประโยชน์ NIRS ในภาคอุตสาหกรรมปุ๋ยครั้งแรกในประเทศไทย
- 10.00-10.40 ทฤษฎีและหลักการพื้นฐานของ NIRS
- 10.40-11.00 พักรับประทานอาหารว่าง
- 11.00-11.40 ขั้นตอนเพื่อให้ได้สเปกตรัมที่เหมาะสมพร้อมนำไปวิเคราะห์
- 11.40-12.20 เครื่องมือและอุปกรณ์ของ NIRS
- 12.20-13.30 พักรับประทานอาหารกลางวัน
- 13.30-14.10 การวิเคราะห์ข้อมูล NIRS และค่าทางสถิติที่สำคัญในการประเมินความถูกต้องและความแม่นยำ
- 14.10-14.50 การสร้างระบบ NIRS สำหรับการวิเคราะห์ประจำวัน
- 14.50-15.20 การใช้ประโยชน์ NIRS ในภาคอุตสาหกรรมอาหาร
- 15.20-15.40 พักรับประทานอาหารว่าง
- 15.40-16.10 การใช้ประโยชน์ NIRS ในภาคอุตสาหกรรมที่ไม่ใช่อาหาร
- 16.10-16.30 การใช้ประโยชน์ NIRS ในภาคอุตสาหกรรมอาหารสัตว์
- 16.30-17.00 การใช้ประโยชน์ NIRS ในภาคอุตสาหกรรมยา

Detail Program: May 15th (Tue)

08.30-09.00 Registration for short course (CAMO Workshop)

09.00-12.00 Importance of chemometrics and data import functionalities and principal component analysis (PCA)

PLS regression, data pre-processing techniques, calibration, validation and prediction

12.00-13.30 Luncheon

13.30-16.00 Load calibration models for online predictions and classifications

The experimental design

Presentation on other CAMO products

17.00-19.00 Board meeting for Asian NIR Consortium

Detail Program: May 16th (Wed)

08.00-08.45	Registration
08.45-09.00	Opening address
09.00-09.40	Keynote lecture Dr. Vincent Baeten (Belgium)
09.40-10.25	Oral contributions
10.25-10.55	Coffee break, posters and exhibitions
10.55-12.00	Company Presentations
12.00-13.00	Luncheon
13.00-13.30	Posters and exhibitions
13.30-14.05	Invited speaker 1: Prof. Yiping Du (China)
14.05-15.05	Oral contributions
15.05-15.35	Coffee break, posters and exhibitions
15.35-17.05	Oral contributions

18.30-20.30	Banquet (Buffet)

Detail Program: May 17th (Thu)

09.00-09.35	Invited speaker 2: Dr. Eizo Taira (Japan)
09.35-10.35	Oral contributions
10.35-11.05	Coffee break, posters and exhibitions
11.05-12.05	Oral contributions
12.05-13.05	Luncheon
13.05-13.30	Posters and exhibitions
13.30-14.05	Invited speaker 3: Prof. Hoeil Chung (Korea)
14.05-15.05	Oral contributions
15.05-15.35	Coffee break, posters and exhibitions
15.35-16.35	Oral contributions
16.35-16.50	Best poster awards
16.50-17.00	Closing ceremony

Detail Program (Study Tour): May 18th (Thu)

08.00-10.30	Transport from hotel to fruit orchard in Rayong Province
10.30-12.30	Visit fruit orchards
12.30-13.00	Transport from orchard to restaurant
13.00-14.30	Luncheon
14.30-16.00	Visit Pattaya City
16.00-18.30	Return to hotel

Registration

Registration fees for Thai participant (in THB)

	Before March 31 st	April 1-20
Conference-Regular ¹	4,000	4,500
Conference-Student ^{1*}	2,500	3,500
Short course (May, 14) ²	1,500	2,500
Short course (May, 15) ²	1,500	2,500
Post tour ³	1,500	2,000

¹Inclusive of attendance at conference sessions; breaks and luncheons during May 16-17; banquet; Proceedings book; Symposium materials

****The figure file of student card is required for registration.***

²Inclusive of short course materials, breaks and luncheon on short course day

³Include transportation charge, luncheon and refreshments.

Registration fees for oversea participant (in USD)

	Before March 31 st	April 1-20
Conference-Regular ¹	350	400
Conference-Student ^{1*}	250	400
Accompanying person ²	150	200
Short course (May, 15) ³	100	150

¹Inclusive of attendance at conference sessions; breaks and luncheons during May 16-17; banquet; post-conference tour; Proceedings book; Symposium materials

****The figure file of student card is required for registration.***

²Inclusive of breaks and luncheons during May 16-17; banquet; post-conference tour

³Inclusive of short course materials, breaks and luncheon on May 15

Payment

For Thai Participants

Payment should be made in Thai Baht by Bank Transfer only

For Oversea Participants

Payment should be made in USD by credit card thorough E-payment (online service). Only in the necessarily case, international bank transfer could be used but international transaction fees in both countries must be paid by Participant.

Info for bank transfer

Bank name: Bank of Ayudhya, Kasetsart University Branch

Swift code: AYUDTHBK

Account name: ANS2012

Account number: 374-1-59230-0

Please e-mail or fax the transferring document and/or student card to Symposium Secretary:

Dr. Sumaporn Kasemsumran

KAPI, Kasetsart University

50 Ngamwongwan Rd., Chatuchak, Bangkok 10900

Tel: 66-2942-8600-3 ext. 503, 507; Fax: 66-2562-0339

E-mail: aapsk@ku.ac.th, sumaporn.k@ku.ac.th

Cancellation

Cancellation **before April 20th** will be accepted. After that date, no cancellation will be accepted. All cancellations must be notified formally by e-mail or in writing to symposium secretary. Seventy percent of refund will be issued, after the symposium conference, to account no. that you provide us. Charges for bank transfer will be deducted from the refund.

Presentation

Oral Presentation

Selection of oral presentation will be based on originality, innovation and state of development of the research (*not a review article*). Approximately, 30 Oral presentations will be selected. *The result of oral acceptance will be sent to each author by February 29, 2012.*

Oral presentations are scheduled to last 15 minutes, 12 minutes of presentation and 3 minutes for question. Please submit your presentation file (power point format) in a USB memory or your own computer to the file registration counter at the conference hall for at least 2 hours prior to the presentation.

Poster Presentation

The result of poster acceptance will be sent to each author within 14-day after receiving the paper. An area of 80 cm (W) x 120 cm (L) will be provided for each poster. Pin and tape for holding a poster with a panel will be provided at the registration desk.

Paper Submission

During the period of 1 October 2011 – 15 February 2012, please send your 2-page paper ([download template from www.ans2012.com](http://www.ans2012.com)) to Symposium Secretary, Dr. Sumaporn Kasemsumran at sumaporn.k@ku.ac.th. Please use the *.doc file for submission and please indicate the corresponding author in your e-mail.

IMPORTANT DATE

Call for Paper: 1 Oct 2011 - 15 Feb 2012

Early Registration: 1 Dec 2011 - 31 Mar 2012

Late Registration: 1 - 20 April 2012

General Information

Accommodation

The symposium organizer has made an arrangement with Amari Watergate Hotel for special room rate of 3000 THB (single)/3300 THB (double/twin) net incl breakfast. Reservation can be made using our form provided on our website from Jan 15, 2012.

Invitation Letter

Invitation letter (in English) indicating referenced number will be sent to each participant. The request for invitation letters should be made by e-mail to the Symposium secretary, Dr.Sumaporn Kasemsunran.

Language

The official language of the Symposium will be English. The Thai language is both the national and official language of Thailand. Nevertheless, English is widely understood as the major commercial language, particularly in Bangkok.

Climate

In the central part of Thailand, the two weeks of May is the beginning of rainy season. Temperature ranges from 27 to 33°C, short-period slight rain is possible.

Clothes

According to the hot and high humidity climate, a formal suit and necktie are not required during the Symposium.

Laundry service

There might be some difficulties in finding self-service coin laundry near the Conference hotel.

Electricity

The electrical current in Thailand is 220 volts AC 60 Hz.

Time

Thailand is seven hours ahead of Greenwich Mean Time.

Currency

The “Baht” is the currency of Thailand and is based on the decimal system.

One Baht is subdivided into 100 Satang. Coins consist of 25 Satang, 50 Satang, 1 Baht, 2 Baht, 5 Baht and 10 Baht. Note denominations are 20 Baht, 50 Baht, 100 Baht, 500 Baht and 1,000 Baht.

Integrated Infrastructure

Getting around in Bangkok is easy and safe via the extensive network of BTS Sky Train and MRT Underground or by metered taxi. Major hotels and attractions are located along the BTS Sky Train and MRT Underground. The Airport Rail Link system connects Suvarnabhumi airport and the city centre within **15-20 minutes**. **The country’s advanced transportation infrastructure in road, rail and air offers delegates convenient accessibility to nationwide destination.**