



Asia-Pacific  
Economic Cooperation



Asia-Pacific  
Legal Metrology Forum

## **APEC/APLMF Seminars and Training Courses in Legal Metrology (CTI 11/2006T)**

### **Workshop on Metrology of Agricultural Products and Foods**

7 - 9 February, 2007

at the Central Duangtawan Hotel in Chiang Mai, Thailand

### **Program**

#### **Organizers:**

1. Asia-Pacific Economic Cooperation (APEC)
2. Asia-Pacific Legal Metrology Forum (APLMF)

#### **Supporting Organizations:**

1. Weights and Measures Bureau, Department of Internal Trade, Ministry of Commerce, Thailand
2. National Measurement Institute, Australia (NMIA)
3. National Metrology Institute of Japan (NMIJ), AIST

#### **Main Objective:**

These days, huge amounts of goods are traded across borders within the Asia-Pacific region. Increasingly people have become anxious about the quality of such goods and are interested in developing a reliable system to determine the quality of internationally-traded goods, especially primary products. As a matter of course, primary products are among the most important goods for developing economies to export, and consequently it is a crucial issue for them to achieve and maintain higher quality of such products especially of agricultural products and foods.

Therefore, the reliability of data, i.e. the quality evaluation concerning metrology should be one of the main issues to be investigated to facilitate international trading. In this aspect, it would be quite beneficial for legal metrology authorities in the APEC/APLMF member economies to learn more about the current situations and problems and to share information in this area at the proposed workshop.

#### **Proposed Topics for the Workshop:**

1. Present situations of international trade of agricultural products and foods among the APEC and other regions.
2. Metrology requirements for agricultural products and food safety, for example on contamination, stock temperature etc.
3. Metrology for Quality evaluation on grain protein, grain moisture, wine, sugar cane, etc.
4. Technical procedures for the verification of measuring instruments.
5. Discussion on the regional issues based on the result of the "Survey on Quality Measurement on Agricultural Products" conducted by APLMF.
6. Others.

**Call for Speakers:**

If you or your colleagues wish to make a presentation at the workshop, please send the “Registration Form” to the APLMF secretariat by **22 December, 2006**.

**Registration of Participants without Presentation:**

Please send the “Registration Form” to the APLMF secretariat by **12 January, 2007**.

**Travel Support:**

APEC travel support, composed of a roundtrip airfare in a discount economy class and per diem including accommodation, would be prepared for the **speakers from APEC economies**. APLMF travel support would be also prepared for the **speakers from non-APEC & APLMF full member economies**. The maximum number of supported speakers is limited to **one** for **one economy** for both of the APEC & APLMF supports. The final speaker(s) eligible for travel support will be decided after an approval by the APEC/APLMF secretariat.

**Visa Assistance:**

If you need a visa to enter Thailand, please fill up the bottom portion of the “Registration Form” for ‘Visa information’. This information will be forwarded to the host by the APLMF secretariat. Upon receipt of the information, the host will send an official letter of invitation for visa application.

**Venue and Accommodation:****Central Duangtawan Hotel, Chiang Mai**

132 Loykroh Road, Chang Klan, Muang, Chiang Mai 50100, Thailand

Tel: +66 (0) 5390 5000, Fax: +66 (0) 5327 5429

[http://www.centralhotelsresorts.com/chiangmai\\_hotels.asp](http://www.centralhotelsresorts.com/chiangmai_hotels.asp)

If you wish to reserve a room at the venue with a rate of **1,600 Baht (USD44)** nett/day, please fill up the “Hotel Reservation Form” and send it to the host in Thailand by **15 January, 2007**.

**Access Information:**

The host will prepare cars (vans) to pick up the participants at the Chiang Mai airport and transfer to the venue on 6 February. The cars will be prepared for the participants who provided their flight schedule to the host in advance. Host staffs will be waiting at the arrival gate with a signboard “APEC/APLMF Workshop” and they will guide the participants to the cars.

**Contact Persons of the Workshop:****1. APLMF Secretariat (registration and travel support)**

Dr. Tsuyoshi Matsumoto & Ms. Ayako Murata

APLMF Secretary

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**2. Host in Thailand (visa assistance, accommodation and venue)**

Mr. Veerasak Visutthatham and Mr. Sakchai Hasamin

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## Program

<b>Day 1</b>  <b>7<sup>th</sup> Feb.</b>  <b>(Wed)</b>	08:30-09:20	<i>Registration</i>
	<b>Opening Ceremony</b>	
	09:20-09:45	Welcome address by Mr. Thongchai Wonggienthong (Deputy Chiang Mai Governor, Thailand)
	Chair: Mrs. Marian Haire	Welcome address by Mr. Songkold Ubolsing (Deputy Director General, Department of Internal Trade, Ministry of Commerce, Thailand)
		Welcome address by Mr. Siripol Yodmuangcharoen (Director General, Department of Internal Trade, Ministry of Commerce)
		Opening address by Dr. Akira Ooiwa (APLMF President)
		Take a group photo
	09:45-10:15	<i>Coffee break</i>
	<b>Topic 1: Agricultural Quality Measurements</b>	
	10:15-11:10	<b>1-1:</b> The Role of OIML in Quality Measurements for Agricultural Products and Food Safety by Dr. Grahame Harvey (National Measurement Institute, Australia)  <b>1-2:</b> Cane Sugar Measurements and a Report on the Survey carried out by APLMF by Dr. Sheila Devasahayam (National Measurement Institute, Australia)
	Chair: Mr. Hiroshi Yamahira	
	11:10-11:20	<i>Coffee break</i>
	11:20-12:20	<b>1-3:</b> Starch Content in Tapioca by Mr. Surachai Sungzikaw (Weights and Measures Center in Chiang Mai, Thailand)  <b>1-4:</b> Measurement of Moisture Content in Rice by Assoc. Prof. Chaiwat Chaikul (Kasetsart University, Thailand)  <b>1-5:</b> Calibration and Traceability of Grain Moisture Meter by Mr. Jong Ryong Sok (Central Institute of Metrology, DPR Korea) ( <i>presentation was canceled</i> )
	Chair: Dr. Grahame Harvey*	
	12:20-14:00	<i>Lunch break</i>
	14:00-15:00	<b>1-6:</b> Measurements and Inspection Instruments on Rice Quality by Mr. Hiroshi Yamahira (Kett Electric Laboratory, Japan)  <b>1-7:</b> The Traceability System of Moisture Meter on Application in Rice Trading Safety in Indonesia by Mr. Rusmin Amin (Directorate of Metrology, Ministry of Trade, Indonesia)
	Chair: Mr. Surachai Sungzikaw	
	15:00-15:30	<b>Topic 1: Discussion and Key Points</b> chaired by Dr. Harvey*, Mr. Yamahira and Mr. Sungzikaw.
	15:30-16:00	<i>Coffee break</i>
	<b>Topic 2: Measurements for Food Safety and Health</b>	
	16:00-17:30	<b>2-1:</b> Food Quality and Safety Measurement in Primary Production by Dr. Vinai Pitayon (Director of Laboratory Center for Food and Agricultural Products Co. Ltd., Thailand)
	Chair: Dr.	

	Chainarong Cherdchu*	<b>2-2:</b> Inspection of Imported Foods and Implementation of Good Laboratory Practice in Japan (Ms. Yoko Mori, Japan Frozen Foods Inspection Corporation)
		<b>2-3:</b> Implementation of Food Safety in Thailand by Mrs. Jongkolnee Vithayarungruangsr (Director of Food Safety Operation Centre, Thailand) and Mrs. Vanida Kaothiar (Senior of Food and Drug Administration, Thailand)
	19:00-21:00	<i>Welcome dinner at the Khum Khantoke Restaurant in the Chiang Mai Business Park hosted by the host economy.</i>

<b>Day 2</b> <b>8<sup>th</sup> Feb.</b> <b>(Thu)</b>	09:00-10:00	<b>2-4:</b> Mobile Unit for Monitoring, Surveillance and Natural Disaster by Mr. Preecha Chungsamanukool and Mrs. Duangdao Wongsommart (Department of Medical Sciences, Ministry of Public Health, Thailand)
	Chair: Mrs. Vanida Kaothiar	<b>2-5:</b> Continuous Improvement of Aflatoxin Measurement in Thailand by Mrs. Kanokporn Atisook and Mrs. Wischada Jongmevasana (Food Scientist of Department of Medical Sciences, Thailand)
	10:00-10:30	<b>Topic 2: Discussion and Key Points</b> chaired by Dr. Cherdchu* and Mrs. Kaothiar.
	10:30-11:00	<i>Coffee break</i>
	<b>Topic 3: Quality Control of Agricultural Products</b>	
	11:00-12:00	<b>3-1:</b> The Control of Agricultural Products, Food Safety and Quality on Measuring Equipments by Mr. Ta Ngoc Tu (QUATEST 2, Directorate for Standards and Quality, Vietnam).
	Chair: Dr. Wang Jing*	<b>3-2:</b> Current Topics on Rice Maize Production and Quality in Cambodia by Mr. Ros Pysoth (Ministry of Agriculture, Forestry and Fisheries, Cambodia)
	12:00-13:30	<i>Lunch break</i>
	13:30-14:30	<b>3-3:</b> Grain Crop and its Quality Measurement Control in Mongolia by Mrs. Udval Doljin (Mongolian Agency for Standardization and Metrology)
	Chair: Mr. Ros Pysoth	<b>3-4:</b> Metrology for Quality Evaluation on Grain and Soybean Products by Dr. Wang Jing and Mr. Fu Boqiang (National Institute of Metrology, PR China)
	14:30-15:00	<b>3: Discussion and Key Points</b> chaired by Dr. Wang* and Mr. Ros
	15:00-15:30	<i>Coffee break</i>
	<b>Topic 4: Measurement Infrastructure</b>	
	15:30-17:00	<b>4-1:</b> The Current Thai Metrology System Related to Food and Safety Measurement by Dr. Pian To-tarong and Dr. Chainarong Cherdchu (National Institute of Metrology, Thailand)
	Chair: Mrs. Marian Haire*	<b>4-2:</b> Grain Infrastructure by Dr. Grahame Harvey (National Measurement Institute, Australia)
		<b>4-3:</b> Moisture Infrastructure by Mr. Hiroshi Yamahira (Kett Electric Laboratory, Japan)

Day 3 9 <sup>th</sup> Feb. (Fri)	09:00-10:00 Chair: Dr. Osman Zakaria	<b>4-4:</b> Chemical Measurement Challenges for Regional Regulations by Dr. Norma Gonzalez-Rojano (CENAM, Mexico)
		<b>4-5:</b> Metrology and its Regulatory Significance in Chemical Analysis - The Hong Kong Experience by Dr. Chuen-Shing Mok (Government Laboratory, Hong Kong China)
	10:00-10:30	<i>Coffee break</i>
	10:30-11:30 Chair: Dr. Norma Gonzalez	<b>4-6:</b> A Strategy for a National Metrology Institute to Develop a National Metrology Infrastructure for Food Safety Measurements in Malaysia by Dr. Osman Zakaria (National Metrology Laboratory, SIRIM Berhad, Malaysia)
		<b>4-7:</b> Guide to Creating a National Measurement Infrastructure by Mrs. Marian Haire (National Measurement Institute, Australia)
	11:30-12:00	<b>Topic 4: Discussion and Key Points</b> chaired by Mrs. Haire*, Dr. Zakaria and Dr. Gonzalez.
	<b>Summary Session</b>	
	12:00-12:50	Discussion chaired by Dr. Ooiwa. Summarizing all topics and discussion on future planning of the next workshop and on the APLMF future activities.
	<b>Closing Ceremony</b>	
	12:50-13:10	Closing address by the APLMF President, Dr. Akira Ooiwa
		Closing address by the host
		Presentation of Certificates of Appreciation to All Speakers and Organizers
	13:10-14:30	<i>Lunch break</i>
	<b>Optional Tour</b>	
	14:30-18:00 Guided by the host	<i>Technical tour to the Northern Weights and Measures Center in San Pa Tong.</i>
		<i>Tour to Bann Tawai (a well-known handicraft center).</i>

\* Indicates the primary chair person, who is responsible of one of the four major topics. Chairs without \* indicate assistant chairs supporting the chair. The primary chairs are expected to lead four "Discussion and Key Points" and report the summary of the discussion to the organizers before "Summary Session" on Day 3 in cooperation with assistant chairs. This summary shall include some or all of the following items.

1. What outcomes were obtained through the discussion?
2. Were there any problems pointed out in the discussion?
3. What kinds of speakers are requested to organize future workshop?
4. What kinds of fields APLMF shall work on in the future in the field of measurements on agricultural products and foods?