



## **ASIA PACIFIC METROLOGY PROGRAMME (APMP)**

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### **APMP Report to EURAMET, May 2013**

#### **1. Update of membership status**

There was no change to the number of APMP Full Member Economies in 2012, which is currently 22 (involving 37 institutes). At the recent APMP meetings held in Wellington, New Zealand, the Dubai Central Laboratory Department was approved by the General Assembly as a new Associate Member, bringing the total number of Associate Members to 7.

The most recent membership application received is from the Designated Reference Institute for Chemical Measurements (DRiCM), Bangladesh. Pending unanimous approval by APMP full members, the DRiCM membership should be finalised by the end of May 2013.

Future Associate/Full membership applications which are in the pipeline include:

- National Standards Centre, Brunei Darussalam
- Bhutan Standards Bureau (BSB), Royal Government of Bhutan
- National Metrology Centre (NMC) of Cambodia
- Myanmar Scientific and Technological Research Department
- Designated Reference Institute for Chemical Measurements (DRiCM), Bangladesh
- Central Laboratories of Qatar

Other APMP membership updates in short are:

- The Syrian Arab Republic has become an Associate of the General Conference on Weights and Measures (CGPM) (31 May 2012)
- The National Standards Calibration Laboratory (NCSL), Syrian Arab Republic, signed the Mutual Recognition Arrangement of the International Committee of Weights and Measures (CIPM MRA) on the 17 September 2012
- The Designated Reference Institute for Chemical Measurements (DRiCM) of the Bangladesh Council of Scientific and Industrial Research (BCSIR) has been recognized as a designated institute in the area of chemical metrology.
- Under the CIPM MRA, the Hangzhou Applied Acoustics Research Institute (HAARI), China, has been recognized as a designated institute in the area of Underwater Acoustics

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*Noleen Grogan, APMP Secretary  
Bradfield Rd, West Lindfield NSW 2070, Australia  
PO Box 264, Lindfield, NSW 2070, Australia  
Tel: +61-2-8467 3404 Fax: +61-2-8467 3655  
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Full APMP membership details are therefore as follows at 1 January, 2013:

- 22 full member economies (37 institutes)
- 7 associate member economies (7 institutes)
- 17 Metre Convention Member States + 5 Associates
- 22 Signatories of the CIPM MRA
- 16 APEC member economies

The 22 Full Member economies are (with APEC economies in bold):

**Australia**; Bangladesh; **China**; **Chinese Taipei**; Fiji; **Hong Kong, China**; India; **Indonesia**; **Japan**; **Korea**; **Malaysia**; Mongolia; Nepal; **New Zealand**; Pakistan; **Papua New Guinea**; **Philippines**; **Russia**; **Singapore**; Sri Lanka; **Thailand**; **Vietnam**

The 7 Associate Member economies are:

Egypt, Jordan, Kazakhstan, Kenya, South Africa, Syria and Dubai

## **2. Update of personnel**

### **2.1 Chairperson and Secretariat:**

Dr Laurie Besley, the previous CEO and Chief Metrologist of NMI Australia, became APMP Chairperson at the 2012 APMP meetings in December in New Zealand. He replaced Prof. Yu Yadong, the Vice Director of NIM, China. The change of Chairperson means that the APMP Secretariat has now been transferred from NIM (China) to NMIA (Australia) where it will be based for the next three years. Ms. Noleen Grogan (NMI, Australia) has taken on the role of APMP Secretary from Ms. Ada Juan Cai, NIM China.

### **2.2 Executive Committee (EC):**

Dr Duann Jia-Ruey (General Director, CMS-ITRI, Chinese Taipei) completed his three year term as an Executive Committee member and this, with the departure of Prof. Yu Yadong, has resulted in two new Executive Committee members being elected at the 2012 APMP meetings: Dr Gwo-Sheng Peng (Director, Measurement Standards and Legal Metrology Division, CMS/ITRI, Chinese Taipei) and Mr. Yue Zhang (Director, Mechanics and Acoustics Division, NIM, China).

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The APMP General Assembly approved the service term extension of EC members, Dr Myungsoo Kim (Fellow, KRISS, Korea) and Dr A.K. Bandyopadhyay (Senior Scientist, NPLI, India) for one year until the next General Assembly at the end of 2013.

The current APMP EC is therefore composed of:

- Dr Laurie Besley (former CEO, NMIA, Australia): Liaison with APEC SCSC, SRBs and DEC ([laurie.Besley@measurement.gov.au](mailto:laurie.Besley@measurement.gov.au))
- Dr Yukinobu Miki (Director General, NMIJ, Japan): liaison between EC and TC Chairs ([y.miki@aist.go.jp](mailto:y.miki@aist.go.jp))
- Dr Kim Myungsoo (Fellow, KRISS, Korea): liaison between APMP and international organizations ([mkim@kriss.re.kr](mailto:mkim@kriss.re.kr))
- Dr A K Bandyopadhyay (Senior Scientist, NPLI, India): Awards Advisory Committee Chair ([akband@mail.nplindia.ernet.in](mailto:akband@mail.nplindia.ernet.in))
- Dr Tim Armstrong: (Director, MSL, New Zealand) APMP Treasurer ([T.Armstrong@irl.cri.nz](mailto:T.Armstrong@irl.cri.nz))
- Dr Gwo-Sheng Peng (Director, CMS/ITRI, Chinese Taipei): Liaison between EC and DEC ([Gwo-Sheng.Peng@itri.org.tw](mailto:Gwo-Sheng.Peng@itri.org.tw))
- Mr. Yue Zhang (Director, Mechanics and Acoustics Division, NIM, China): Liaison between EC and TC Chairs ([zhangy@nim.ac.cn](mailto:zhangy@nim.ac.cn))

### **2.3 Technical Committees (TCs):**

The current TC Chairs are as follows:

- Acoustics, ultrasound & vibration: Mr. Sun Qiao, NIM, China ([sung@nim.ac.cn](mailto:sung@nim.ac.cn))
- Electricity & magnetism: Dr Nobu-Hisa Kaneko, NMIJ, Japan ([nobuhisa.kaneko@aist.go.jp](mailto:nobuhisa.kaneko@aist.go.jp))
- Fluid flow: Dr Yoshiya Terao, NMIJ, Japan ([terao.yoshiya@aist.go.jp](mailto:terao.yoshiya@aist.go.jp))
- Length: Dr Toshiyuki Takatsuji, NMIJ, Japan ([toshiyuki.takatsuji@aist.go.jp](mailto:toshiyuki.takatsuji@aist.go.jp))
- Mass: Dr Tokihiko Kobata, NMIJ, Japan ([tokihiko.kobata@aist.go.jp](mailto:tokihiko.kobata@aist.go.jp))
- Materials metrology: Dr. Seong Jai Cho, KRISS, Korea ([sjcho@kriss.re.kr](mailto:sjcho@kriss.re.kr))
- Photometry & radiometry: Dr Peter Manson, NMIA, Australia ([peter.manson@measurement.gov.au](mailto:peter.manson@measurement.gov.au))
- Amount of substance (chemistry & biology): Dr Euijin Hwang, KRISS, Korea ([ehwang@kriss.re.kr](mailto:ehwang@kriss.re.kr))
- Quality systems: Dr Jongseun Park, KRISS, Korea ([jspark@kriss.re.kr](mailto:jspark@kriss.re.kr))

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- Ionising radiation: Mr. Yang Yuandi, NIM, China ([yangyd@nim.ac.cn](mailto:yangyd@nim.ac.cn))
- Temperature: Dr Yong-Gyoo Kim, KRISS, Korea ([dragon@kriss.re.kr](mailto:dragon@kriss.re.kr))
- Time & frequency: Dr Huang-Tien LIN, Chunghwa Telecom, Chinese Taipei ([linht@cht.com.tw](mailto:linht@cht.com.tw))

### **2.4 Developing Economies' Committee (DEC):**

Mr Abdul Rashid bin Zainal Abidin (SIRIM Bhd, Malaysia) has successfully completed his term as DEC Chair. The new DEC Chair is:

- Dr Mego Pinandito, KIM-LIPI, Indonesia ([mego@kim.lipi.go.id](mailto:mego@kim.lipi.go.id))

### **3. Highlights of APMP GA 2012**

The 28<sup>th</sup> APMP General Assembly and related activities were held from November 25<sup>th</sup>- 30<sup>th</sup> 2012 in Wellington, New Zealand. The Measurement Standards Laboratory, NZ, took excellent care of over 300 participants from over 20 APMP member economies along with invited leaders and experts from a number of other international and regional bodies.

Meetings and activities included:

- General Assembly
- Executive Committee (EC) meetings, Technical Committee Chairs' (TCC) meeting, EC-TCC meeting
- Annual meetings of 12 Technical Committees (TCs) and the Developing Economies' Committee (DEC)
- The 3<sup>rd</sup> APMP NMI Directors' Workshop on "Interaction with the Accreditation Bodies and/or Legal Metrology Bodies"
- A Symposium on "Measuring the Measurers"
- Workshops and Seminars organized by specific TCs (eg pressure and vacuum, metrology in chemistry, quality systems, electrical metrology)

**Key decisions of the General Assembly include approvals of:**

- 1) The APMP Work plan and the Budget plan for 2013;
  - 2) The Associate Membership of Dubai Central Laboratory Department;
  - 3) The Working Group on Materials Metrology to become a full Technical Committee.
- Note that the scope of this Technical Committee covers measurements relevant to

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advanced materials and nanotechnology;

- 4) Signing of the MoU with PTB and the Joint Declaration with UNIDO
- 5) TC Initiatives which will receive funding from the APMP for 2013 include the approved proposals from temperature, photometry and radiometry, length and acoustics, ultrasound and vibration technical committees.
- 6) APMP Awards:

There were 8 APMP Technical Activity Awards presented to:

- Prof Yu Yadong, NIM, China
- Jia-Ruey Duann, CMS, Chinese Taipei
- Samyong Woo, KRISS, Korea
- Seung Kwan Kim, KRISS, Korea
- Della Sin, GLHK, Hong Kong, China
- Juntaro Ishii, NMIJ, Japan
- Abdul Rashid B. Zainal Abidin, SIRIM, Malaysia
- Cai Juan (Ada), NIM, China

The APMP –Iizuka Prize Winners were:

- Dr Hong Lin, NIM, China
- Dr Momoko Kojima, NMIJ, Japan

Dr Ilya Budovsky (NMIA, Australia) received both the APMP Technical Activity Award and APMP Award for 2012

### **4. Other Meetings:**

#### **4.1 APEC SCSC1 and the Specialist Regional Bodies (SRB) Forum meetings**

APMP representatives attended the APEC SCSC1 and the Specialist Regional Bodies (SRB) Forum meetings in Jakarta, Indonesia (January 2013). These meetings provide the opportunity to maintain and foster good relationships with other specialist regional bodies, as well as strengthen linkages with APEC economies within the Standards and Conformance area.

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### **Of interest:**

- Asia Pacific Laboratory Accreditation Cooperation is now the nominated SRB representative to the APEC Food Safety Cooperation Forum (FSCF) Partnership Training Institute Network (PTIN). APMP worked with the Regional Metrology Organization (SIM) in the Americas to develop and carry out APEC Project CTI 21 20011T which focused on developing laboratory capabilities within the APEC economies in measuring toxic contaminants in seafood (report published July 2012, with a final report to be released shortly).
- APMP and APLAC have signed an MoU to support enhanced cooperation between the two SRBs in proficiency testing programs
- APMP and APLMF are looking to develop joint activities which will fall under the MoU signed between the two SRBs.

### **4.2 30<sup>th</sup> JCRB Meeting and Related Workshop**

A number of APMP representatives participated in the 30<sup>th</sup> JCRB meeting and related workshop held in Paris, France, in March 2013. APMP members played an active role in the discussions and outcomes of the workshop which dealt with the CMC submission and review process. The next JCRB meeting will be hosted by APMP in Beijing, China, in September 2013.

### **5. Forthcoming meetings:**

The APMP mid-year meetings will be held in Colombo, Sri Lanka (MUSSD) in June (24-28) 2013.

The 29<sup>th</sup> APMP GA and related meetings will be held in Chinese Taipei from 24-29 November 2013 and will be hosted by the member from Chinese Taipei, CMS-ITRI.

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