

The 33rd Council Meeting of the Association of Asia Pacific Physical Societies (AAPPS)

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Fig. 1: AAPPS council members and observers of the 33rd Council Meeting at Brisbane Convention and Exhibition Centre, Brisbane. Front row (left to right): Xing Zhu, Robert Robinson, Monika Raharti, Gui Lu Long, Seunghwan Kim, Bruce McKellar, Ling-an Wu, Swee-Ping Chia, Youngah Park; back row (right to left): Dongmei Gu, Woo-Sung Jung, Ruiqin Zhang, Chuang Zhang, Naoki Yokoyama, Sang Pyo Kim, Jun'ichi Yokoyama, Mitsumasa Iwamoto, Mitsuru Kikuchi, Fu-Jen Kao, Yasuhiko Fujii, Kuijuan Jin, Tohru Motobayashi, Rajdeep Singh Rawat, Kazuhiro Tanaka, Minn-Tsong Lin, Kurunathan Ratnavelu, Cathy Foley, Sukit Limpijumngong, Hyoung Joon Choi.

The 33rd Council Meeting of the Association of Asia Pacific Physical Societies (AAPPS) was held at Brisbane Convention and Exhibition Centre, Brisbane, Australia, on December 4, 2016. The meeting was hosted by the Australian Institute of Physics (AIP) and sponsored by the Asia Pacific Center for Theoretical Physics (APCTP), Pohang, Korea. The meeting was attended by Seunghwan Kim (president); Gui-Lu Long (vice-president); Sang Pyo Kim (secretary); Hyoung-Joon Choi (treasurer); Jun'ichi Yokoyama (deputy editor-in-chief of the *AAPPS Bulletin*, proxy for Shoji Nagamiya); and council

members Swee-Ping Chia (Malaysian Institute of Physics); Mitsumasa Iwamoto (Japan Society of Applied Physics); Kuijuan Jin (Chinese Physical Society); Fu-Jen Kao (PS located in Taipei); Yasuhiko Fujii (Physical Society of Japan (JPS), proxy for Yoshio Kuramoto); Monika Raharti (Indonesian Physical Society); Robert Robinson (Australian Institute of Physics); Rajdeep Singh Rawat (Physical Society of Hong Kong, proxy for Lei Han Tang); Ruiqin Zhang (Institute of Physics, Singapore, proxy for Sow Chorng Haur); and Xing Zhu (Chinese Physical Society). The meeting was observed by Cathy



Fig. 2: Reception of the 33rd Council Meeting and the 9th OGM in Brisbane, on December 3, 2016.

Foley (AIP); Naoki Yokoyama (Japan Society of Applied Physics, proxy for Kazuo Hotate); Dongmei Gu (former AAPPS treasurer); Woo-Sung Jung (APCTP executive director); Mitsuru Kikuchi (AAPPS Division of Plasma Physics [DPP] chair); Minn-Tsong Lin (PS located in Taipei); Bruce McKellar (International Union of Pure and Applied Physics [IUPAP] president); Tohru Motobayashi (succeeding editor-in-chief of the *AAPPS Bulletin*); Francis Norman C. Paraan (Physics Society of the Philippines); Youngah Park (AAPPS Women in Physics Working Group [WIP]); Kurunathan Ratnavelu (Malaysian Physical Society); Sukit Limpijumngong (Thai Institute of Physics); Kazuhiro Tanaka (AAPPS Division of Nuclear Physics [DNP] chair); Ling-an Wu (AAPPS-WIP); Chuang Zhang (Chinese Physical Society); and by Jiyong Bak, and Eun-jeong Lee (AAPPS staff members from APCTP).

The secretary reported the presence of fifteen members and the quorum was met. The president opened the 33rd council meeting, welcomed the council members and observers, and expressed sincere thanks to AIP and APCTP. The agenda of the 33rd council meeting and minutes of the 32nd council meeting in Beijing were adopted. The treasurer reported the balance of AAPPS account. It was suggested that the in-kind contribution from the Chinese Physical Society (CPS) for hosting the 32nd council meeting and the additional support of APCTP should be included in the report for the future purposes.

Robert Robinson reported the status of the 13th APAC in adjunction of the 22nd AIP Congress, which was prepared

by Warrick Couch, the president of AIP. The financial issues and the coordination of award ceremonies and talks were explained. The “AIP-APCTP Travel Awards” to support attendance by students and early career researcher’s from economically disadvantaged countries in the Asia-Pacific region was funded by \$30K made available by the AIP Federal Executive from a surplus from the Canberra Congress, as well as a US\$20K grant from the Asia Pacific Center for Theoretical Physics (APCTP). A “Childcare Grant Scheme” funded from the budget of the APAC-AIP Congress, has also been implemented.

Jun’ichi Yokoyama (deputy editor-in-chief of the *AAPPS Bulletin*) reported on the current status of *Bulletin* publications in 2016 and the *Bulletin*’s account and financial issues. He reported on the annual editorial meeting at APCTP, held on October 14-15, 2016 as well as on the 64 monthly video meetings since 2011. The change of the editorial board members in 2017 was also reported. Tohru Motobayashi, the succeeding editor-in-chief after July 1, 2017, was recommended to the council and was nominated by Gui Lu Long and seconded by Swee Ping Chia. The nomination of the new editor-in-chief was unanimously approved by the council. Mitsuru Kikuchi (DPP chair) suggested that the *Bulletin* should allocate pages for divisional activities. It was also suggested that the *Bulletin* should be published only electronically; the issue was deferred to the next editor-in-chief and the next council. With a section for divisional activities, the divisions could provide email lists to the editorial board for electronic distribution.

The vice president reported the election procedure for the next council. The out-going council recommended fifteen candidates for the new council and there were no additional recommendation from each society. The slate was then fixed to fifteen candidates and out of seventeen societies, eleven societies seconded the slate. This final slate would be reported to the 9th OGM for the election of the new council. The president explained the election process and ensured that there were no additional recommendation from any society.

Mitsuru Kikuchi (DPP chair) reported on the divisional activities. CPS-DPP will join the DPP as a group member, but individual member information has not been provided yet. The Chandrasekhar prize committee selected Donald Melrose as the winner in 2016, and he is scheduled to give an invited lecture at the DPP session of APPC-AIP Congress. *Reviews of Modern Plasma Physics* (RMPP), the official journal of AAPPS-DPP, commenced operations on July 1, 2016 and will begin publication in January 2017. The editorial board consists of more than 100 members. AAPPS-DPP is working in cooperation with European Physical Society (EPS)-DPP and American Physical Society (APS)-DPP and has provided a model for other divisions to follow. AAPPS-DPP will organize their first annual conference, which is co-sponsored by APCTP, on September 18-22 in Chengdu, China, with the endorsement of the CPS-DPP, the Korean Physical Society (KPS)-DPP, JPS-DPP, the Plasma Science Society of India (PSSI) and the Japan Society of Plasma Science and Nuclear Fusion Research (JSPF). Kikuchi also reported on the necessity of revising the DPP bylaws and the president proposed that the issue should be resolved by the incoming council. The motion was seconded by Swee Ping Chia and was resolved.

Jun'ichi Yokoyama (Division of Astrophysics, Cosmology, and Gravity [DACG] secretary general), on behalf of Misao Sasaki (chair), reported on the divisional activities. The AP School on Gravitation and Cosmology was held at Hunan Normal University, Changsha, China, on June 16-30, 2016 in conjunction with the annual meeting of the Chinese Society of Gravitation and Relativistic Astrophysics, which was held from June 27 to June 30, 2016. The school and the annual meeting were attended by 93 and around 350 participants, respectively. The 3rd RESCEU APCosPA Summer School on Cosmology and Particle Astrophysics was held on August 24-28, 2016, Takayama, Japan and was attended by 93 participants. The 13th International Symposium on Cosmology and

Particle Astrophysics (CosPA 2016) was hosted by the University of Sydney, Australia on November 28-December 2, 2016, was attended by 169 participants, and there were 29 plenary lectures. The DACG EXCO meeting was chaired by Misao Sasaki on December 1, during CosPA 2016, Sydney and the following items on the agenda were discussed: membership, activities in 2016 and the plan for activities in 2017. The planned activities in 2017 are the 13th International Conference on Gravitation: Joint Conference of ICGAC and IK15 on July 3, 2017 – July 8, 2017, in Seoul, Korea and the 14th International Symposium on Cosmology and Particle Astrophysics (CosPA 2017) on December 11-14 (± 1 day), 2017 at the Yukawa Institute for Theoretical Physics, Kyoto University. The 9th Asia-Pacific School and Workshop on Gravitation and Cosmology will be held in Hong Kong sometime in August 2017.

Kazuhiro Tanaka (DNP chair) reported on the Division of Nuclear Physics (DNP) and in particular, spoke on the subjects, research fields and the role of ANPhA (Asian Nuclear Physics Association) since 2009. Practically, ANPhA is an organization to discuss and pursue current issues in the Asian nuclear physics community. ANPhA can play a leading role in establishing the Division of Nuclear Physics in AAPPS. The participating countries are Australia, China, India, Japan, Korea, Mongolia, Taiwan, Vietnam. At the most recent ANPhA Symposium and the 11th Meeting on November 24-25, at Tohoku University, Sendai, Japan, the EXCO elected Kazuhiro Tanaka as the DNP chair and formed a new EXCO as follows: Weiping Liu (China), Tohru Motobayashi (Japan), Anthony Thomas (Australia) as vice-chairs and Hirokazu Tamura (Japan) as the secretary. As a recent activity of the DNP, the DNP is preparing the ANPhA White Paper, which includes a table of 26 accelerator facilities for nuclear physics in Asia. Critical analysis of the present data will be made for future facility planning and for possible future international collaborations; the analysis will be available via the web soon. There was also a report on heavy atoms: on November 30th, 2016, IUPAC formally announced elements 113, 115, 117, and 118, which are named nihonium (Nh), moscovium (Mc), tennessine (Ts), and oganesson (Og), respectively.

The president reported that the council (fifteen out of sixteen members) resolved the APCTP-AAPPS cooperation proposal through email voting on December 1, 2016. He proposed on November 14, 2016 that in order to facilitate the effective implementation and operation



Fig. 3: Report regarding APCTP by Woo-Sung Jung at the 33rd Council Meeting at Brisbane Convention & Exhibition Centre on December 4, 2016.

of the joint action initiative according to the MOU between AAPPS and APCTP renewed on October 15, 2016, AAPPS should expand and formalize the existing administrative functions at APCTP by making APCTP an administrative headquarters. He reported on the progress of its implementation and operation.

Woo-Sung Jung reported on APCTP. He reported on the role of APCTP as the administrative headquarters of AAPPS. APCTP has sixteen member countries. The mission of APCTP is to advance physics in the Asia Pacific region, to foster in-house research, to promote regional cooperation and to provide a hub for academic activity. Consequently, APCTP has supported each APPC with a grant of \$10,000 and has provided \$30,000 for divisional activities each year. As the administrative headquarters, the center will manage the AAPPS accounts and host council and OGM meetings as well as the *Bulletin* board meetings.

Bruce McKellar (IUPAP president, Australia) reported on the International Union of Pure and Applied Physics (IUPAP) and AAPPS. Physics is in nature international and Asia has become increasingly a hub of activity; for example, McKellar noted that he has worked in six countries in Asia after 1990. The majority of physics papers published is now shifting to Asia, and China now produces more papers in physics and astronomy than any other country. International physics needs the support

of an international organization. That organization is IUPAP, which was formed in 1922 for this purpose, with just 13 member countries and now 60 member countries and 18 scientific commissions. The mission of IUPAP is to assist in the worldwide development of physics, to foster international cooperation in physics, and to help in the application of physics toward solving problems of concern to humanity. IUPAP carries out this mission by sponsoring international meetings; fostering communications and publications; encouraging research and education; fostering the free circulation of scientists; promoting international agreements on symbols, units and standards; and cooperating with other organizations on interdisciplinary problems. All commissions give out an annual IUPAP Prize for Young Scientists in their subdiscipline, thus increasing their recognition. With the ICSU Committee for Freedom and Responsibility in Science, IUPAP works to support physicists who are facing prosecution in their countries. WG 5 Women in Physics is working to improve the representation and the recognition of women in physics. Commission C13 “Physics for Development” is working to assist in capacity building in less developed countries and to make sure that physics plays a role in their development. Commission C14, “Physics Education” promotes the exchange of information and views among the members of the international scientific community, in physics education. There are now more Asian members of IUPAP. IUPAP has a different structure than that of AAPPS : countries or regions



Fig. 4: Official luncheon meeting at the 33rd Council Meeting at Brisbane Convention & Exhibition Centre on December 4, 2016.

are IUPAP members, while AAPPS consists of physical societies. The IUPAP Council invites AAPPS to join APS and EPS as observer societies, and invites AAPPS to the Council Meeting and General Assembly in São Paulo, Brazil, from October 9-13, 2017.

Youngah Park (Korea Institute of Science and Technology Evaluation and Planning [KISTEP] president) reported on the working group Women in Physics (WIP) in association with AAPPS. The working group of AAPPS WIP was formed by Youngah Park (Korea), Ling-an Wu (Beijing), Shu-ching Yeh (Taipei), Wiwik S. Subowo (Indonesia), Eiko Torikai (Japan), Le Thi Trong Tuyen (Vietnam), Michiji Konuma (special advisor of AAPPS, Japan) and Seunghwan Kim (council of AAPPS, Korea). The recent members are Youngah Park (chair, Korea), Manling Sui (Beijing), Catherine Foley (Australia), Jin-Hee Yoon (Korea), Anita Mehta (India), Grace Lin (Taipei), Monika Raharti (Indonesia), Mamiko Sasao (Japan), May Lim (Philippines), Leong Chuan Kwek (IUPAP, Singapore), Seunghwan Kim, (AAPPS president, Korea), and Ling-An Wu (Beijing). There was a report of the project of AAPPS WG-WIP (2010) of International Gender De-

segregated Surveys in the Asia Pacific Region: JPS survey in 2001, KPS survey in 2005, IUPAP survey in 2002 and 2005 in 70 countries. The APPC12 WIP meeting (Chiba, Japan) and AAPPS WIP workshop 2015 on Gender Innovation as well as Gender Summit 6 (Seoul, Korea) on August 25-26, 2015 were reported. The future goals for WIP are to promote funding for women physicists in developing countries; to establish a prize for excellent women physicists in the region; to gather strategies that have already proven successful in the Asia Pacific region; to raise traveling funds, especially for physicists in developing countries; to promote local and international networking; and to achieve the target goal of having 30% of all international or domestic committees be women.

The out-going members gave their final remarks. Mitsumasa Iwamoto expressed thanks to all the council members. Swee-Ping Chia explained that the territory of AAPPS was carefully defined and chosen. Monika Raharti proposed an inactive membership for Indonesia. The council meeting was adjourned at 12:30 and informal discussions continued during the luncheon meeting.



Fig. 2: AAPPS OGM members and observers of the 9th Ordinary General Meeting at Brisbane Convention & Exhibition Centre, Brisbane. Front row (left to right): Cathy Foley, Monika Raharti, Warrick Couch, Gui-Lu Long, Seunghwan Kim, Bruce McKellar, Youngah Park, Kurunathan Ratnavelu, Chuang Zhang, Ling-an Wu; back row (right to left): Woo-Sung Jung, Hyoung Joon Choi, Fu-Jen Kao, Naoki Yokoyama, Dongmei Gu, Mitsumasa Iwamoto, Jun'ichi Yokoyama, Ruiqin Zhang, Rajdeep Singh Rawat, Sang Pyo Kim, Yasuhiko Fujii, Kuijuan Jin, Francis Paraan, Minn-Tsong Lin, Mitsuru Kikuchi, Tohru Motobayashi, Swee-Ping Chia, Kazuhiro Tanaka, Xing Zhu, Sukit Limpijumnong.

Sang Pyo Kim (AAPPS council member); Gui-Lu Long (AAPPS council member); Bruce McKellar (International Union of Pure and Applied Physics [IUPAP] president); Tohru Motobayashi (succeeding editor-in-chief of the *Bulletin*); Youngah Park (AAPPS Women in Physics Working Group [WIP WG] chair); Kazuhiro Tanaka (AAPPS Division of Nuclear Physics [DNP] chair); Ling-an Wu (AAPPS WIP WG); Jun'ichi Yokoyama (deputy editor-in-chief of the *Bulletin*); Xing Zhu (AAPPS council member); and by Jiyong Bak, and Eunjeong Lee (AAPPS staff members from APCTP).

The secretary recorded the presence of twelve members including four proxies and the quorum was met. The president opened the 9th Ordinary General Meeting, and welcomed the presidents, delegates and observers. The agenda of the 9th OGM and the minutes of the 8th OGM were adopted.

Gui-Lu Long explained the election process for the new council and reported on the final slate of fifteen candidates. The out-going council recommended fifteen candidates for the new council, and eleven societies seconded the slate. The president explained the election process and ensured that there were no more recommendation from any society.

The issue of voting rights was discussed. According to article 4.4 of the AAPPS constitution, at any general

meeting, the official representative of each member shall have one vote except as provided in clause 7.3, stating that any member society, which is in arrears in the payment of membership fees shall have no vote at General Meetings. Chung Zhang proposed that the representative of Indonesian Physical Society should have a vote. The motion was seconded by Rajdeep Singh Rawat and approved unanimously.

The OGM elected the fifteen candidates in the final slate as new council members: Hyoung-Joon Choi (KPS), Cathy Foley (AIP), Kuijuan Jin (CPS), Fu-Jen Kao (PS located in Taipei), Sang Pyo Kim (KPS), Minn-Tsong Lin (PS located in Taipei), Gui-Lu Long (CPS), Hatsumi Mori (JPS), Kurunathan Ratnavelu (MPS), Rajdeep Singh Rawat (IP, Singapore), Masasski Tanaka (JSAP), Jun'ichi Yokoyama (JPS), Ruiqin Zhang (PS, Hong Kong), and Xing Zhu (CPS), Nguyen Quang Liem (VPS). Seunghwan Kim as the outgoing president shall be the ex officio member of the new council (Constitution 5.2).

The president of AAPPS reported on AAPPS activities in the past three years (2014-2016) as follows. (i) Council meetings were held in Taipei (2014), Seoul (2015), Beijing (2016), and Brisbane (2016) and the offline *Bulletin* meetings were held in Taipei (2014), Seoul (2015), Beijing (2016), and Pohang (2016). (ii) Three divisions were formed: the Division of Plasma Physics (DPP), the Division of Astrophysics, Cosmology, and

Gravity (DACG) and the Division of Nuclear Physics (DNP). The DPP launched the Chandrasekhar Prize and the international journal RMPP. (iii) The administrative headquarters was established at APCTP and strengthened with an MOU with APCTP. APCTP headquarters will support AAPPS divisional activities, prize awardees, the *AAPPS Bulletin*, information portals, administration and managing of offices/meetings, etc. (iv) The outgoing council secured additional funding from APCTP (\$60,000), which was used to support divisional activities, awardees, APPC13, and AAPPS meetings. (v) The publication of the *AAPPS Bulletin* has been stabilized and enhanced. DPP established *Reviews of Modern Plasma Physics* (RMPP). (vi) AAPPS helped to establish and support the divisional awards including the Chandrasekhar Prize of DPP and provided support for C. N. Yang Awardees. (vii) The council made efforts to diversify the council and supported the participation of member societies of developing countries in the AAPPS meetings. (viii) The council organized APPC13 in Brisbane together with AIP and decided to hold APPC14 in Malaysia.

Woo-Sung Jung reported on APCTP. He described the renewal of the APCTP-AAPPS MOU and explained the role of APCTP as the administrative headquarters of AAPPS by hosting council and general meetings and the *Bulletin's* annual meetings, by providing the website, and by supporting divisional activities. APCTP has been providing \$10,000 for each APPC and \$30,000 for divisional activities each year.

The following societies, represented by council members in attendance, reported respectively on their current status, their activities in 2016, and their plans for 2017: the Australian Institute of Physics (Warrick Couch), the Chinese Physical Society (Xing Zhu), the Physical Society of Hong Kong (Ruiqin Zhang), the Indonesian Physi-

cal Society (Monika Raharti), the Physical Society of Japan (Yasuhiko Fujii), Japan Society of Applied Physics (Mitsumasa Iwamoto), the Malaysian Institute of Physics (Kurunathan Ratnavelu), the Institute of Physics, Singapore (Rajdeep Singh Rawat), the Physical Society located in Taipei (Minn-Tsong Lin), the Korean Physical Society (Hyoung-Joon Choi), the Physics Society of the Philippines (Francis Paraan), and the Thai Institute of Physics (Sukit Limpijumnong).

The DPP, DACG and DNP of AAPPS reported on the status of the respective divisions and requested more support from AAPPS and APCTP. Jun'ichi Yokoyama reported on the publication of the *Bulletin* and introduced Tohru Motobayashi as the next editor-in-chief. Bruce McKellar (IUPAP president, Australia) reported on the International Union of Pure and Applied Physics (IUPAP) and on cooperation with AAPPS; there are more Asian members of IUPAP than ever before. The IUPAP Council invites AAPPS to join APS and EPS as observer societies. Youngah Park reported on the activities of the Women in Physics (WIP) Group of AAPPS and related international activities. Some details regarding the reports of divisions, the *Bulletin*, IUPAP and WIP are described in "The Agenda of the 33rd Council Meeting of AAPPS" in this issue of the *Bulletin* (Vol 27, No.1).

Kurunathan Ratnavelu reported on the preparations associated with APPC 14, to be held in Kuching, Sarawak, Malaysia, in 2019. The scientific program will cover the same scope as previous APPCs, and the international program committee will be comprised of representatives of AAPPS as well as of members across the four divisions in AAPPS. A tentatively proposed period is August 19-23, 2019, but it will be determined at the next council meeting after considering the academic calendars of each society.