

**Draft Minutes of the C&CC Meeting — 22-23 October 2016**

*Day 1 – 22<sup>ND</sup> October 2016*

*Room 419, The New COSS (College of Social Science) Building,*

*National Taiwan University*

*09:00 – 18:30*

**In Attendance:**

1	Bruce McKellar	President	15	Hideo Nitta	Chair - C14
2	Kennedy Reed	President - Designate	16	Toshiyuki Azuma	Chair - C15 and Vice President
3	Rudzani Nemutudi	Assoc. Secretary General			
4	Kwek Leong Chuan	Deputy Secretary General	17	Lin-Ni Hua	Chair - C16
4	Monica Pepe-Altarelli	Vice-President at Large	18	Deborah Kane	Chair - C17
5	Alex Hansen	Vice-President at Large	19	Grazina Tautvaisiene	Chair - C19 and Vice President
6	Itamar Procaccia	Chair - C3			
7	Karl-Heinz Kampert	Chair -C4	20	Lev Shchur	Member - C20
8	John Saunders	Chair - C5 and Vice President	21	Yasuhiko Arakawa	President - AC1
			22	Beverly Berger	Secretary - AC2
9	Aihua Xie	Chair - C6	23	Marion Burgess	President - AC3
10	Michael Thewalt	Chair -C8	24	Fridtjof Nusslin	Past President - AC4
11	Guang-Yu Guo	Member - C9	25	Stephan Schlamming	Chair – WG13
12	Raynien Kwo	Chair – C10			
13	Soo-Bong Kim	Secretary - C11	26	Sun Han	IUPAP Secretariat
14	Sandro Scandolo	Chair - C13	27	Maitri Bobba	IUPAP Secretariat

**Invited Guest Speakers:**

1	Ya-Ping Chiu	Young Taiwanese Physicist, National Taiwan University
2	Minn-Tsong Lin	President, The Physical Society located in Taipei

**Absent with Apologies:**

1	Cecilia Jarlskog	Past-President
2	Phua, Kok Khoo	Secretary General
3	Francis Allotey	Vice-President at Large
4	Vitaly Kveder	Vice-President at Large
5	Wenlong Zhan	Vice-President at Large
6	Vanderlei Salvador Bagnato	Chair – C2
7	Xiaofeng Jin	Chair – C9
8	Juan Fuster	Chair – C11
9	Alinka Lepine-Szily	Chair – C12
10	Manfred Salmhofer	Chair – C18
11	Hai Qing Lin	Chair – C20

## **1. Welcome by President IUPAP**

Bruce thanked Raynien for hosting the C&CC meeting at NTU. He then introduced himself and welcomed all to the C&CC Meeting.

### ***Introduction of members***

Each participant introduced themselves.

## **2. Welcome by Raynien Kwo, Chair, Department of Physics, National Tsing Hua University (NTHU)**

Prof Kwo welcomed all to the NTU campus and Taipei, Taiwan. She described the study and development of Physics in Taiwan.

## **3. Welcome by President Minn-Tsong Lin, the Physical Society located in Taipei (PSROC)**

Prof Lin welcomed all to the NTU campus and described the organisation structure and workings of PSROC. He described the development of Physics in Taiwan over many years and how continuous encouragement is underway in Taiwan through local and extensive international collaborations.

## **4. Approval of the Agenda**

The Agenda was approved by the present C&CC members

## **5. President's Report**

Prof McKellar highlighted the special events that happened over the year and also requested for preliminary thoughts on redesigning some structures. He spoke on:

### *5.1. Our first year in Singapore*

After 94 years of incorporation, IUPAP has its own office in the NTU campus at Singapore

### *5.2. Seeking new members*

Malaysia, Brunei, Vietnam, Thailand and Indonesia have been approached to join as IUPAP members. Itamar Procaccia has approached Kazakhstan and Uzbekistan to be members.

### *5.3. Our Singapore company*

The first annual returns (for 2015 calendar year) were submitted by the Singapore company and is awaiting response from the tax office on a case presented by IUPAP-SG to be considered as a shell company whose de-facto members are the members of IUPAP and since all the income comes from its members – no tax is to be paid.

*Note added after meeting. IUPAP will pay no tax in Singapore in 2016*

### *5.4. Elements 113, 115, 117 and 118; and the next super heavy elements*

The discovery, analysis and announcement of the new elements was explained followed by details on the current negotiations with IUPAC on how to handle this processing via the Joint Working Group of future claims that new elements have been synthesised

### *5.5. Our new working groups (WG)*

The 2 new WG's – WG13 (The measurement of Newton's Constant G, chair Stephan Schlamming) and WG14 (Accelerator Science, chair, Lia Meringa), were introduced.

#### 5.6. *The new International Council of Science (ICSU) grant round*

The 300,000 EUR grant from ICSU for 3 years for 3 grants require 2 unions to take the lead for at most one grant application. 2 proposals were received for IUPAP to lead. Council considered the applications electronically.

- C13 Utilisation of Light Source and Crystallographic Sciences to Facilitate the Enhancement of Knowledge and Improve the Economic and Social Conditions in Targeted Regions of the World, with IUCr as co-lead applicant – Council decided that *IUPAP will be a lead applicant*
- WG5 A Global Approach to the Gender Gap in Physics, Chemistry and Mathematics: how to measure it, how to reduce it, with IUPAC and IMU as co-lead applicants – Council decided that *IUPAP will be supporting applicant (the proposal will be co-lead by IUPAC and IMU)*

IUPAP has also decided to be the supporting applicant for IAU and IUHPST proposal ‘Science4Development’

#### 5.7. *The proposal that ICSU and the International Social Sciences Council (ISSC) merge*

The proposal is being put forth at the Oslo meeting on the 24<sup>th</sup> of October 2016 for which Cecilia is attending on behalf of IUPAP. The IUPAP GA dates will be confirmed based on the outcome of the merger decision.

*Note added after the meeting. ICSU agreed to pursue the merger with ISSC and to bring a detailed proposal for the implementation of the merger to its 2017 General Assembly.*

#### 5.8. *The experiment of an email meeting of the Council and Commission Chairs*

The meeting received mix-reviews on the running and hence a decision will have to be made on how to most effectively induct new Council Members and Commission Chairs and to conduct the business of IUPAP given that our finances allow only one meeting of C&CC in the year after the General Assembly.

#### 5.9. *Expanded cooperation with bodies with similar or overlapping activities*

The feedback requested in the last newsletter (September issue) regarding ‘what IUPAP should be doing more or less of’ got only one response from IOP and so warrants more discussion.

#### 5.10. *First thoughts about re-designing the composition of the Executive Council*

Consideration of appointment of an honorary Treasurer. C&CC to consider the position to be filled by:  
A. Abolish one of the Vice-President at large positions and create the Honorary Treasurer position, or  
B. Assign the job of the Honorary Treasurer to one of the Vice Presidents at large

#### 5.11. *First thought on expanding the size of Commissions*

It was suggested that the number commission members could be increased from 14 to 15 to allow more positions for members to fill, given that the number of positions to be filled on Commissions (251) was now less than the number of shares (254).

It was decided that the number of positions on Commissions should not be changed, and that this small imbalance could be considered to be balanced by the 5 Vice Presidents at large

### **6. Report by the Secretary General**

K K Phua was unable to make it to the meeting and hence the Deputy Secretary General presented the report.

#### 6.1. *Finance*

The first annual reports for IUPAP-SG had been submitted

## 6.2. *Administration*

The new office at NTU is being run efficiently by Maitri Bobba with assistance from Sun Han. Toh-Miang and Erin Ong help with the website and newsletter respectively.

## 6.3. *Proposal for General Assembly 2017*

The next GA will be held in Sao Paulo, Brazil – details on the event and final dates will be discussed later through the meeting

## 6.4. *Social media*

IUPAP facebook and twitter account have been fairly active and all members are encouraged to use them

## 6.5. *IUPAP Newsletter*

We have successfully published 6 issues of the newsletter. The 7<sup>th</sup> one is due in December and all commissions are requested to submit interesting articles (not conference reports) about their area of physics.

## 6.6. *Membership*

Our efforts to get Vietnam (via Prof. Tranh Tran Van), Thailand (Prof. Sukit Limpijumong), Brunei (Dr Joyce Teo Siew Year, the Assistant Vice Chancellor and Vice President (Global Affairs) of Universiti Brunei Darussalam) and Indonesia (Dr Sparisoma Virdi) to be members are still underway. It is recommended that representatives be invited to the next GA.

## 6.7. *Young Scientist Prize 2016 (YSP)*

A total of 11 YSPs have been awarded across 8 commissions thus far.

## 6.8. *ICSU Grant Pre-Proposal*

IUPAP has decided to lead along with IUCr, the proposal “Utilization of Light Source and Crystallographic Sciences to Facilitate the Enhancement of Knowledge and Improve the Economic and Social Conditions in Targeted Regions of the World”. We will be a supporting applicant for the WG5’s proposal on “A Global Approach to the Gender Gap in Physics, Chemistry and Mathematics: how to measure it, how to reduce it”.

## 6.9. *Obituary*

A prominent member of past IUPAP committee, Katharine Gebbe, has recently passed away. A feature was compiled for the IUPAP Newsletter. Also, some prominent members of the physics community, Ahmed Zewail, Deborah Jin and Kerson Huang have recently passed on.

## 7. **Previous C&CC meeting decisions**

7.1. The minutes of the previous C&CC online meeting held in October 2015 were reviewed and passed without any comments.

- The process of the October online meeting was discussed extensively. Though most decisions were taken effectively the whole process was lengthy and comments were not timely and appropriate to the discussion. It was recommended that the face to face meeting of the C&CC in 2018 be in October, and that induction of new Council Members and Commission Chairs be done through skype and phone meetings and mentoring by retiring chairs.

7.2. Subsequent to the October meeting in 2015 there were some matters approved by the council by email and they include:

- 5 Aug 2016 - The Council of the International Union of Pure and Applied Physics (IUPAP) expresses its concern at recent developments in Turkey (*Published on the IUPAP website, twitter and facebook; sent letter to the President of Turkey through the Turkish Ambassador in Australia; Sent letter via email to ICSU*)
- 14 Aug 2016 – Decisions to lead and support the two ICSU grant proposals received
- 17 Aug 2016 – The 2014 GA minutes were approved and uploaded onto the IUPAP webpage
- 30 Aug 2016 - Two C8 conferences – The 34<sup>th</sup> International Conference on Physics of Semiconductors (29/7 – 3/8/2018) and the 35<sup>th</sup> International Conference on Physics of Semiconductors (8 – 14/8/2020) were endorsed
- 22 Sept 2016 - The Council approved the appointment of Prof Natalie Roe as the new chair for WG10 - Astroparticle Physics International Committee (ApPIC)

## 8. Commission Matters

All commissions submitted their reports. All were taken as read and questions were asked on the following matters:

- 8.1. C2 – Proposal to classify the ‘Radian’ as a base unit in the SI: *the Council was advised that this proposal would not be proceed at this stage, because BIPM was concentrating of the re definition of the kilogram in terms of defined values of Planck’s constant*
- 8.2. C13/C14 – ‘IOP for Africa’ is a program run by IOP since 2005 which has in recent years gained momentum. IOP has a vision to take the programme further and build a physics consortium incorporating major physics and science based bodies. They propose to re-brand the ‘IOP for Africa’ programme into one led by IUPAP as the umbrella organisation. It will then help to partner with a wider group of unions and would like IUPAP to make it a point to be discussed and passed at its 2017 GA: *the Council encouraged C13 and C14 to maintain contact with the IOP and develop the program appropriately.*
- 8.3. The guidelines for the commissions with regards to renewal, replacement, reporting and associate members needs to be elaborated and put up on the website so that everyone will have access to them when needed.
- 8.4. It was suggested that a large ‘Global Physics congress’ be held in 2022 as part of the Centenary and all commissions were requested to plan for the same if possible.

## 9. Procedures for Sponsorship of Conferences

Two issues were discussed on the procedures for sponsorship:

- Whether to decide on which conferences to support and adjust the financial support per conference according to the allocated budget, or to decide on the financial support per conference and adjust the number of conferences supported according to the allocated budget. *It was decided that the current practice of deciding which conferences to support and then dividing the available budget accordingly is to be followed*
- Whether Type C conferences are to get a minimum sum of 1000 Eur as grant or continue with a no grant policy. *The council decided to keep the current practice of ‘Zero grant’ be given to Type C*

## 10. Conferences Proposed for Sponsorship in 2017

Rudzani Nematudi re-introduced the procedures for sponsorship of conferences. He also outlined the various categories of conferences. He emphasised that the commission chairs should encourage conference organisers to file the report for the conference after the event to facilitate future endorsements and sponsorships.

Rudzani Nematudi recommended that the following conferences be supported under the indicated category:

<b>Comm. No.</b>	<b>Type</b>	<b>Name of conference</b>	<b>Acronym</b>
<b>C3</b>	C	Recent Advances on the Glass and Jamming Transitions	RAJT
<b>C3</b>	B	Conference on Crossroads in Complex Systems	CCCS 2017
<b>C3</b>	B	XVI International Workshop on Instabilities and Nonequilibrium Structures	IWINS 2017
<b>C4</b>	A	International Cosmic Ray Conference (ICRC)	ICRC 2017
<b>C4</b>	B	TAUP 2017 ( XV International Conference on Topics in Astroparticle and Underground Physics)	TAUP 2017
<b>C5</b>	A	The 28th international conference on low temperature physics (LT28)	LT28
<b>C5</b>	B	ULT2017: Frontiers in Low Temperature Physics	ULT2017
<b>C6</b>	A	Internartional Conference on Biological Physics	ICBP2017
<b>C6</b>	C	Frontiers in Olfaction	FIO 2017
<b>C8</b>	A	Joint Conference EP2DS22-MSS18: 22nd International Conference on Electronic Properties of Two Dimensional Systems and 18th International Conference on Modulated Semiconductor Structures	EP2DS22-MSS18
<b>C8</b>	B	18th International conference on II-VI compounds and related materials	IC-II-VI-RM 2017
<b>C10</b>	A	14th International Meeting on Ferroelectricity (IMF)	IMF 2017
<b>C11</b>	B	International Particle Accelerator Conference 2017	IPAC 17
<b>C11</b>	C	EPS-HEP 2017	EPS-HEP 2017
<b>C11</b>	B	International Symposium on Lepton Photon Interactions at High Energies	ISLPIHE
<b>C12</b>	A	Quark Matter 2017	QM 2017
<b>C12</b>	B	Advances in Radioactive Isotope Science	ARIS 2017
<b>C12</b>	B	XII Latin American Symposium on Nuclear Physics and Applications (XII LASNPA) + WONP-NURT/2017 (Workshop on Nuclear Physics and Nuclear Related Techniques)	XII - LASNPA
<b>C13</b>	D	XLVII International Symposium on Multiparticle Dynamics (ISMD2017)	ISMD 2017
<b>C13</b>	D	24th IUCr Congress and General Assembly	IUCr-GA
<b>C13</b>	D	Laboratory and synchrotron X-ray crystallography: applications to emerging countries	LSXC:AEC
<b>C14</b>	B	GIREP-ICPE-EPEC 2017	GIREP 2017
<b>C15</b>	A	XXX International Conference on Photonic, Electronic and Atomic Collisions	ICPEAC 2017
<b>C16</b>	C	8th International Conference on the Frontiers of Plasma Physics and Technology	ICFPPT 8
<b>C16</b>	B	8th International Conference on the Physics of Dusty Plasmas	ICPDP 8
<b>C16</b>	A	International Conference on Phenomena in Ionized Gases	ICPIG

<b>C16</b>	B	International Conference on Inertial Fusion and Science Applications (IFSA)	IFSA
<b>C19</b>	A	29th Texas Symposium on Relativistic Astrophysics	29-TEXAS
<b>C20</b>	A	Conference on Computational Physics	CCP 2017
<b>AC2</b>	B	Edoardo Amaldi Conference on Gravitational Waves	AMALDI
<b>AC2</b>	C	Grav17	GRAV17

It was noted that his recommended classification of the C11 conference, ISLPINE was B while the Commission had recommended an A classification, although the organisers had submitted it as a B type conference. This reclassification was based on the expected number of participants (350-400).

The following conferences were endorsed:

<b>2017 - 2020 CONFERENCE ENDORSEMENT</b>		
C2	<b>International Conference on Precision Physics and Fundamental Constants (FFK 2017)</b>	<b>FFK 2017</b>
C8	<b>EDISON'20: The 20th International Conference on Electron Dynamics in Semiconductors, Optoelectronics and Nanostructures</b>	<b>EDISON20 2017</b>
C8	<b>34th International Conference on the Physics of Semiconductors</b>	<b>ICPS 2018</b>
C8	<b>35th International Conference on the Physics of Semiconductors</b>	<b>ICPS 2020</b>
C15	<b>XXX International Conference on Photonic, Electronic and Atomic Collisions</b>	<b>ICPEAC 2017</b>
C20	<b>The 10th International Conference on Computational Physics</b>	<b>ICCP 2020</b>

#### **11. Talk by invited speaker Prof Ya-Ping Chiu (Young Taiwanese Physicist)**

Prof Chiu spoke on Scanning tunnelling microscopy (STM) in Surface Science.

## **Minutes of the C&CC Meeting**

*Day 2 — 23<sup>RD</sup> October 2016*

*Room 419, The New COSS (College of Social Science) Building,*

*National Taiwan University*

*08:30 – 15:30*

### **12. Review of Day 1**

#### *12.1. Conferences*

Rudzani Nemutudi reintroduced the conferences he had recommended for support. The Secretary of C11, Soo-Bong Kim, emphasised that the Lepton-Photo Conference (ISLPIHE 2017) was a major C11 conference, which has an unusual format — all of the talks are invited plenary talks. As emphasised in its report the Commission was concerned that the attendance has been falling in recent years. It has plans to introduce variations which it is hoped would increase the participation, and the Commission therefore recommended an A classification. Rudzani pointed out that the 2015 Lepton-Photon Conference was supported as a Category B conference, and had a similar attendance. He emphasised that the number of participants, as expected by the organisers, was the primary determinant of the level of classification.

The president summarised the discussion and called for a vote on the classification of the ISLPIHE 2017 conference. A majority of the meeting supported the classification of the ISLPIHE 2017 conference as a category B conference.

With that decision, it was agreed to support the conferences as classified above.

The Associate Secretary General then proposed the following levels of financial support for the conferences:

<b>SUGGESTED ALLOCATIONS: 2017 IUPAP CONFERENCES</b>				
	<b>Number of Conferences</b>	<b>Amount of Grant Per Conference</b>	<b>Total Amount Requested</b>	<b>Total Amount Budgeted 2017</b>
<b>Type A</b>	<b>10</b>	<b>€ 12,000</b>	<b>€ 120,000</b>	
<b>Type B</b>	<b>13</b>	<b>€ 5,000</b>	<b>€ 65,000</b>	<b>€ 185,000</b>
<b>Type C</b>	<b>6</b>	<b>€ 0</b>	<b>€ 0</b>	<b>€0 000</b>
<b>Type D</b>	<b>3</b>	<b>€ 7,000</b>	<b>€ 21,000</b>	<b>€ 21,000</b>
<b>TOTAL</b>	<b>32</b>		<b>€ 206,000</b>	<b>€ 206,000</b>
<b>Conference Deficit/Surplus =</b>			<b>€ 0</b>	

This above was agreed on.

The council agreed that for future conference sponsorship the rule for the number of attendees be changed and the descriptors be changed to emphasise the fact that the expected number of participants determines the classification.

Council **agreed** that:

#### 1. Sponsored Conferences

Only Category A and Category B, and category D conferences be sponsored and financially supported for 2018, with the description of conferences on the webpage altered to include:

- The Type A, or Large, conference is a general meeting of TYPICALLY 700 – 1000 attendees.
- The Type B, or Medium, conference is smaller with TYPICALLY 200 – 500 attendees.



## 2. Endorsed Conferences.

- Council noted that type C (small) conferences would in future be a subset of the endorsed conferences, which would still be used to give IUPAP branding on conferences in a series when the commission had determined the location of the conference, and could also be used for co-branding of conferences when another organisation was the primary conference organiser.
- Conferences may be endorsed without financial support
  1. Independently of the date of the conference
  2. Endorsed conferences will be asked to commit to the standard IUPAP policies on women in physics, on Universality in Science, and to report on the standard form to provide data on participation in their conference to be included in the IUPAP data base on participation by women in physics
  3. Endorsed conferences will be required to display the IUPAP logo on their website to publicise their connection with IUPAP.
  4. Applications will be made by the Conference Organisers, evaluated by the appropriate Commission Chair and recommend to Council by the Associate Secretary General as they are at present. The applications will be received at any time, and the Associate Secretary General will provide recommendations to Council
- The conference webpage and the application form for endorsed conferences are to be changed to reflect the above policies.

## 13. Gender Champion and Gender matters

*13.1. Report on Gender Champion* It was found that though there was a slight increase in the number of female invited speakers and female participation in conferences when compared to the previous 20 years, there are still some conferences with absolutely no female speakers or members on the committees. Commissions were encouraged to include more female members in the workings of their conferences. It was noted that many conferences had not reported.

It was **agreed** that Commissions should encourage conference organisers to submit reports, and that if reports were not submitted in a timely way, future funding for conferences in the series could be jeopardised. The conference webpage, application forms, and the letters sent to conference organisers are to be changed to incorporate this

*13.2. Number of women members on commissions*

On the advice of WG5, the Council agreed that 4 women members be made the target for every commission for the next triennium (2018 – 2020). – every Commission should have at least 4 women members. It was noted that in 2014, many commissions did not receive enough nominations of women and two did not receive any. Commissions and Liaison Committees are encouraged to use the WG5 country representatives to help to identify women who could be nominated to the Commissions.

*13.3. Policy on Discrimination and Harassment*

With the assistance of WG5 a new policy on discrimination to read as follows was approved:

*“It is the policy of the International Union of Pure and Applied Physics (IUPAP) that all participants in Union activities will enjoy an environment free from all forms of discrimination, harassment, and retaliation. As a professional Union, IUPAP is committed to providing an atmosphere that encourages the free expression and exchange of scientific ideas. In pursuit of that ideal, IUPAP is dedicated to the philosophy of equality of opportunity and treatment for all members, regardless of gender, gender identity or expression, race, color, national or ethnic origin, religion or religious belief, age, marital status, sexual orientation, disabilities, veteran status, or any other reason not*

*related to scientific merit. Harassment, sexual or otherwise, is a form of misconduct that undermines the integrity of Union meetings of any kind. Violators of this policy will be subject to discipline.”*

Council noted that the final sentence was difficult to put into practice, and proposed to replace it with a requirement that the conference or other event put in place a mechanism to counsel and support victims. The President was authorised to consult with the Chair of WG5 to modify the policy statement along these lines and to create a short form of the statement which could be incorporated into letters of offer of conference support.

*Note added. It was subsequently agreed to use the following wording*

*It is the policy of the International Union of Pure and Applied Physics (IUPAP) that all participants in Union activities will enjoy an environment which encourages the free expression and exchange of scientific ideas, and is free from all forms of discrimination, harassment, and retaliation. The conference organisers will name an advisor who will consult with those who have suffered from harassment and who will suggest ways of redressing their problems, and an advisor who will counsel those accused of harassment. The conference organisers may, after due consideration, take such action they deem appropriate, including warning or expulsion from the conference without refund.*

## 14. Financial Matters

### 14.1. Report on the Financial Position:

IUPAP is not an incorporated body, and so we are unable to open any financial accounts. Its financial transactions are therefore carried out by companies established in the countries in which IUPAP is operating. Two sets of audited financial statements for 2015 were presented - one for the company IUPAP-UK, which carried out the financial transactions in the UK, and one for the company International Union of Pure and Applied Physics Singapore (IUPAP-SG) which carried out the financial transactions in Singapore. It is important to note that the accounts of IUPAP-SG are kept on an accrual basis, so that the income shown in those accounts is the total of the subscription invoices sent out, and not the income received into the IUPAP account.

It is perhaps more instructive to think of the accounts on a cash basis and to look at the actual balances in the bank accounts at the end of 2015 and at the end of 2014.

DATE	TOTAL CASH AT BANK IN EUROS
31 December 2014	1,077,790
31 December 2015	1,170,614
Increase	92,824

IUPAP budgets and accounts on a triennial basis, so the reserve funds are those at the close of 2014. As well as the 1,077,790 EUR in the bank at the end of 2014, in 2015 we received additional 2014 dues and paid additional 2014 bills. The result is that our reserves are slightly increased

Reserve funds at 31.12.2014 = 1,083,485 EUR

For technical reasons one does not get an accurate picture of our 2015 expenditure by adding the expenditure in the two separate financial statements. Because it was not possible to transfer funds from IUPAP-UK to IUPAP-SG until after the audit of the 2014 accounts of IUPAP-UK, 2015 IUPAP bills received

before that transfer, which should have been paid by IUPAP-SG were paid by IUPAP-UK on the direction of IUPAPSG.

On the advice of our Singapore auditor these payments were included as expenses in the IUPAP-SG account. Because they were paid by IUPAP-UK they appear as expenses in the IUPAP-UK accounts. Adding the expenses in the two accounts leads to double counting. For this reason, the best picture of our overall financial situation is in the document on IUPAP 2015-2017 Budget and Actuals.

At the end of 2015 we had, on a cash accounting basis:

INCOME 2015	437,091
EXPENDITURE 2015	371,035
SURPLUS	66,056

It is to be noted that many of our spending centres did not spend in 2015, and are able to do so in 2016 or 2017, the surplus is carried forward to the rest of the triennium and is certainly not “money in the bank”.

14.2. *Budget and Actuals:*

The budget for receipts and expenditures, and the actual receipts and expenditures were noted.

**IUPAP 2015-2017 Budget and actuals**

	2015 Budget	2015 actual to 31/12/15	2016 Budget	2016 Actual to 31/9/16	2017 Budget	2017 Actual	2015-2017 Budget	2015-2017 actual to 30/9/2016
<b>INCOME</b>								
Dues	450,387	437,091	463,899	491,267	477,816		1,392,102	928358.72
Bank Interest				0				0
Other								0
<b>TOTAL INCOME</b>	450,387	437,091	463,899	491,267	477,816		1,392,102	928358.72
								0
<b>EXPENDITURE</b>								0
								0
Conferences and Travel Grants	185,000	190,671	185,000	199,679	185,000		555,000	390350
ICPE News letter	3,000			0			3,000	0
Commissions	30,000	16,132	30,000	12,654	30,000		90,000	28786.33
C&CC meetings	35,000	44,686	35,000	0	35,000		105,000	44686
Young scientist prizes	22,000	20,370	22,000	16,769	22,000		66,000	37139.47
Working Groups	35,000	20,600	35,000	20,000	35,000		105,000	40600
Developing Countries	21,000	18,671	21,000	0	21,000		63,000	18671
New Programmes	7,500		7,500		7,500		22,500	0
Women in Physics conference				0	15,000		15,000	0
General Report/ Newsletters	5,000	1,226	5,000	1,963	5,000		15,000	3189
ICSU	20,600	21,198	21,834	21,834	22,489		64,923	43032
ICST	1,000			0			1,000	0
Secretariat	50,000	15,631	40,000	25,875	40,000		130,000	41506
President	5,000	3,985	5,000	3,593	5,000		15,000	7578
GA					60,000		60,000	0
Banking and accounting	11,000	1,284	11,000	2,927	11,000		33,000	4211
Liability Insurance	2,000	2,295	2,000	0	2,000		6,000	2295
Contingency	7,000	4,286	7,000	0	7,000		21,000	4286
ICSU GA				0	6,000		6,000	0
Nomination Subcommittee				0	2,500		2,500	0
WEB Page	10000	10,000						10000
								0
<b>TOTAL EXPENDITURE</b>	450,100	371,035	427,334	305,295	511,489		1,378,923	676329.8
								0
<b>SURPLUS</b>	287	66,056	36,565	185,972	-33,673		3,179	252028.92
<b>CUMULATIVE SURPLUS</b>	10,287	66,056	46,852	252,028.92	13,179	252,029		

### 14.3. *Approval of Budget 2017*

The council approved the proposed 2017 Budget

## 15. Communications

### 15.1. *IUPAP Internet*

It was highlighted that the website runs very slowly and it was important to get that fixed in order to achieve visibility.

**After-note:** *NTU will be requested to provide more resources to the IUPAP virtual machine*

### 15.2. *Newsletter*

The September issue of the newsletter was distributed at the meeting. It was suggested that a schedule be drawn up for commissions to send articles for different issues of the newsletter but after much discussion the idea was not approved. It was also highlighted that input for the newsletter be in the form of articles in various fields of physics rather than reports on past events. The next issue will be out in December 2016

## 16. Working Group Matters

All the Working Groups (WG) submitted their reports. All were taken as read and the following changes were highlighted:

- 16.1. Jens Vigen, the Group Leader of the CERN Scientific Information Service, is the new Chair for the Working Group: Communication in Physics (WG2)
- 16.2. Natalie Roe, is the new Chair for the Working Group: Astroparticle Physics International Committee (ApPIC) – WG10
- 16.3. Stephan Schlamminger, is the chair for the new Working Group on the Newtonian Constant of Gravitation (WG13)
- 16.4. Lia Merminga, is the chair for the new Working Group on Accelerator Science (WG14)

WG13 Chair, Stephan Schlamminger outlined the mandate for the new working group. The primary purpose of this working group is to support experimental efforts to measure the Newtonian constant of gravitation,  $G$ . To achieve this goal the working group will provide a group of individuals who are willing to work with experimenters on various technical questions and issues, convene regular meetings on the subject of  $G$  measurements, serve as a forum to discuss future experiments, proposals and new ideas, consider and discuss possible mechanisms that might explain the existing discrepancies between at least some of today's measurements and evaluate possible strategies for performing  $G$  experiments blindly to avoid unconscious bias.

Stephan described the progress on the verification of existing experimental measurements of  $G$ , by a different group at a different laboratory performing the experiment.

## 17. ICSU Matters

The two ICSU grants will be supported – one in a lead applicant (C13 proposal) and another as a supporting applicant (WG5 proposal). IUPAP has also decided to be the supporting applicant for IAU proposal 'Science4Development' being put forward by IUHPST.

### 17.1. *Proposal to merge ICSU and ISSC*

On the 5<sup>th</sup> of May 2016 ICSU sent out a notice to all ICSU National Scientific Members, International Scientific Unions, Scientific Associates, Interdisciplinary Bodies & Joint Initiatives, and ICSU Regional Committees informing them as a follow-up to the April 2016 communiqué regarding the future relations between the International Council for Science (ICSU) and the International Social Science Council (ISSC).

They subsequently called for an Extraordinary GA on the 24<sup>th</sup> of October 2016 in Oslo during the ISSC GA to consider the recommendation to merge, discuss and provide feedback on the planning framework and to agree on the appointment of a transition task force.

***After-note:*** *At an extraordinary General Assembly of the International Council for Science (ICSU) and a General Assembly of the International Social Science Council (ISSC), the two organizations' members voted overwhelmingly that the two organizations should in principle pursue a merger. This in-principle decision will result in a detailed plan for the merged organisation to be submitted for approval to the 2017 ICSU GA, setting the two councils on a trajectory to become one by October 2018.*

*For the plans to go ahead, the majority of both councils' voting members needed to vote in favour. 76% of the ICSU members and 87% of the ISSC members voted in favour of a merger of the two organizations, thereby setting the merger process in motion.*

#### *17.2. IUPAC Proposal for the International Year of the Periodic Table 2019*

In 2019 the Periodic Table will turn 150. IUPAC is investigating the possibility of making the year 2019 the International Year of the Periodic Table of Elements. 2019 is also the centenary of the formation of IUPAC. IUPAC has asked IUPAP to support the idea and to nominate someone to work with them on it. In this correspondence IUPAC has been told that the ICA is working to have 2019 declared as the International Year of Sound.

The council agreed to write to IUPAC along the following lines:

IUPAP will work with IUPAC in Celebrating the sesquicentenary (150 years) of the Periodic Table, and asks IUPAC for more information on the progress of the moves to the IY Periodic Table 2019 so that it may nominate the most appropriate person to liaise between the Unions on this matter. In the interim Bruce McKellar is to be the liaison between the two Unions on the matter.

### **18. C&CC and GA 2017**

The initial proposal to hold the 2017 GA to be held in Sao Paulo, Brazil in November was suggested to be moved to either the 2-6<sup>th</sup> of October or 9 – 13<sup>th</sup> of October to be able allow IUPAP to act on a resolution of its General Assembly in voting on the ICSU-ISSC merger. It was found that 9<sup>th</sup> – 13<sup>th</sup> October was most suitable. It was then considered that both the later October and the original November dates will be tentatively scheduled and a decision will be made after the ICSU special GA, by Bruce McKellar, Cecilia Jarlskog and Kennedy Reed

***After-note:*** *Since the merger is now agreed, by the ICSU special GA, to be pursued, Bruce McKellar, Cecilia Jarlskog and Kennedy Reed decided to hold the 2017 C&CC and GA from the 9<sup>th</sup> – 13<sup>th</sup> of October 2017 in Sao Paulo, Brazil.*

*Vanderlei Bagnato joined the meeting by telephone to discuss details of the arrangements for the C&CC and the GA. Council noted that the proposed Workshop about " New Challenges in pure and applied physics " where the speakers will be part of the delegates participating on the General Assembly represented an innovative use of the day and a quarter traditionally devoted to scientific matters at the GA. Council encouraged the scheduling of the workshop so that all GA delegates could participate. The main audience for the workshop will be scientists and students from Brazil and neighbor countries. The President and Vanderlei were to have additional discussions on financial matters.*

**Council noted the dates for notice of events related to the GA and the office will issue notices accordingly. The agreed dates were set by Bruce, Kennedy and Cecelia after the time of the meeting was fixed, rather than at the meeting**

Item	From ByLaws	Statutory Date	Agreed Date
Notice of GA*	6 months	11 April	11 March 2017
Agenda	3 months	11 July	1 July 2017
Call for Nominations to LC	6 months	11 April	11 March 2017
Call for Nominations to Comm	6 months	11 April	11 March 2017
Close nominations by LC	4 months	11 June	11 June 2017
Close Nominations by Comm	6 weeks	30 August	30 August 2017
Proposals for Resolutions to close	not specified but leave time to send out agenda as above	—	18 June 2017
Proposals for Agenda Items to close	not specified but leave time to send out agenda as above	—	18 June 2017

## 19. IUPAP Centenary

The IUPAP Centenary will be celebrated in the year 2022. Kennedy Reed who is the assigned member for this occasion, advised the council on his ideas to commemorate the event.

- Publish a special book with all the IUPAP activities – try to get the early years for the archives that are in Switzerland, US and Singapore and to accurately and professionally organise them
  - Council members suggested to add only those events that have significantly affected the field of Physics over the years
- It was also suggested that some of the Young Scientist winners (from 5 years before) be given the opportunity to present talks at the event
- Bruce McKellar suggested to have a ‘Global Conference’ in conjunction with the Centenary – to plan some of the series conferences at the same venue before and after the celebrations
- Kennedy Reed has approached the Japanese counterpart to get more details on the IUPAP history in Asia as Japan was the first Asian member country
- Liaise with past-presidents/members to get as much information or documents that they may have with regards to IUPAP and consolidate it
- It was also recommended that a professional archivist be engaged to organise and archive all the salvaged and existent documents of IUPAP – it was preferred that they be digitised.

***After-note:*** The setting up of a working group at the 2018 GA with responsibility for the Centenary Celebration was suggested as a suitable way to use the IUPAP structures to obtain a Committee for the Centenary.

## 20. Affiliated Commission Matters

- 20.1. AC1 Proposal for ICO to become a Union - member of ICSU – Council did not support the proposal and declined to write to ICSU supporting the same. Deborah Kane (Chair of C17 and Associate Member of ICO) mentioned that she circulated the proposal document to all in her commission and received quite a bit of negative feedback.
- The President moved that the C&CC meeting advises the Council to write to ICSU approving the conversion of the ICSO into a Union member of ICSU. The motion was **lost** (2 in favour, 14 against, and 9 abstentions).
- The C&CC advised the President to officially write to ICO saying that IUPAP would not write a letter to ICSU supporting the present proposal, and encouraging the ICO to consult closely with IUPAP, and particularly C15 and C17, in formulating revisions to the proposal. It was noted that

this decision was about the present proposal, and that the Council would have to decide its position when a new proposal was presented to it.

- 20.2. AC2 – Proposal to appoint two new IUPAP members Gustavo Dotti (Universidad Nacional de Córdoba, Argentina) and David Wiltshire (University of Canterbury, New Zealand) to the to replace those retiring – Council approved the new members
- 20.3. AC3 – Proposal of new Statutes on terminology – Council **resolved** to approve the new ICA statutes, as listed in the report of WG3, noting that the new ICA statutes changed the present requirement that changes to the ICA statutes be approved by IUPAP to a requirement that IUPAP be advised of future changes.
- 20.4. AC3 – Proposal to support the International Year of Sound 2019 – Council **resolved** that
- *IUPAP endorses the global project led by the International Commission for Acoustics (ICA) and its many international supporting partners to work through UNESCO to request a United Nations proclamation of an International Year of Sound in 2019.*
  - *IUPAP expresses its strong support for International Year of Sound goals that encompass science, education, outreach, and particularly its aims to promote education and improve the quality of life of citizens in the developing world.*
  - *IUPAP will encourage activities during 2019 that will enhance the International Year of Sound.*

## 21. Any Other business

### 21.1. *Position of Treasurer and Portfolios for Vice Presidents at large*

- The financial affairs of IUPAP and its associated company IUPAP Singapore Ltd are sufficiently complex as to require attention of a member of Council. IUPAP has traditionally required that the Secretary-General provide that attention. In the recent past this has not been possible because of the other responsibilities of the SG. It is resolved that one of the Vice Presidents at Large be appointed with responsibility for finance, and that in 2017 nominations for Vice President at large will be called for that position. *The council agreed to the proposal*
- The Vice Presidents at Large be appointed with responsibility for finance should also be appointed as a Director of the company IUPAP Singapore Ltd.– *The council agreed to the proposition*
- *Council noted the following estimate of the work involved:*  
Time estimate: one week per year for review of the statutory accounts for IUPAP Singapore Ltd, 2-3 hours per month to review monthly cash statements, 2-3 days per year to prepare the report to the Council on financial matters
- Other possible portfolios for VP at large: gender champion, new members, outreach. It was suggested that nominations be called for all of these VP at large positions in 2018 – *The council passed the motion*

**After-note:** In discussions after the meeting it was suggested that a Vice President at Large with responsibility for the Centenary celebrations also be appointed, noting that a new Vice President at Large, serving 2 terms, would be in office at the time of the Centenary

Nominations will be called for the following Vice-Presidents at Large

- a) Vice-President at Large with responsibility for Finance
- b) Vice-President at Large with responsibility as Gender Champion
- c) Vice-President at Large with responsibility for New Members
- d) Vice-President at Large with responsibility for Outreach
- e) Vice-President at Large with responsibility for the Centenary Celebrations



21.2. *Variation in the text for Young Scientist Prize winners*

- C17 proposed the following change to the YSP eligibility text:  
The recipients must be no more than ten years from the commencement of their PhD (excluding career interruptions) by the deadline for nominations. They must have a PhD.
- Council ruled that the policy set by the 2005 GA should remain in place and that C17 should alter their advertisement for applications for the YSP 2017 accordingly.

21.3. *Update from the Sub-Committee on Associated Organisations*

After the 2014 General Assembly, a sub-committee (Sandro Scandolo, Deborah Kane and Kwek Leong Chuan) was established to advise Council on the response to Resolution 6 of 2014 General Assembly -- IUPAP Associated Organisations

*On the recommendation of Commission C13 the 28th General Assembly of IUPAP resolves that the Executive Council is delegated to revise the Statutes of the Union to introduce a new category of members, Associated Organisations to improve contacts with related organisations.*

The sub-committee was tasked with bringing such a recommendation back to the C&CC for discussion, feedback etc, and to propose a change to the statutes for potential ratification at the next GA.

The sub-committee has reported twice. The recommendation of the sub-committee is that no such revision of the Statutes of the Union be introduced at the next GA. Rather than expanding the group with which we communicate, the sub-committee has recommended improvements in communication with our primary stakeholders - the physics and related societies connected to the liaison committee in each member nation.

The IUPAP Secretariat has actioned this recommendation already as it is largely an administrative matter. It has involved building a database of all the societies etc. The sub-committee recommends that the Union continue to build and improve a communication strategy with our primary stakeholders. When it is judged that IUPAP is communicating effectively with its primary community and has raised its profile sufficiently within the physics community, that will be the appropriate time to reconsider incorporating Associated organisations into the IUPAP. It is recommended that, as a first step in the process, IUPAP should develop a clear view of what it wants to achieve through links with Associated Organisations. The previous reports of the sub-committee will form a useful basis for any such discussion

### **Closing**

The meeting thanked, Prof Raynien Kwo and Prof Minn-Tsong Lin for generously hosting our meeting, and Prof Mon-Shu Ho for her assistance with the Organisation.

The meeting thanked Maitri Bobba and Sun Han for their efficient organisation of the meeting, and their efficient work in the IUPAP Office.

The meeting closed at 4:00 PM.

## **MEETING OF THE EXECUTIVE COUNCIL OF IUPAP 23 OCTOBER 2016**

**After the close of the meeting of the Council and Commission Chairs, the Executive Council met to review the recommendations of the Council and Commission Chairs, and approved the recommendations.**