

# REPORT BY COMMITTEE to Action Resolution 6 of 2014 GA Regarding ASSOCIATED ORGANISATIONS

## DRAFT of 4 Nov 2015

### 1. Revision of IUPAP statutes to introduce "Associated Organizations"

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.

Item 3.1 of the minutes of the last Exec Council-- Resolution 6: IUPAP Associated Organisations  
To implement Resolution 6 IUPAP Associated Organisations it was decided to form a committee, the members of which are K K Phua, Sandro Scandolo, Deb Kane, which will report to the October "meeting" on how to revise the statutes to include IUPAP Associated Organisations, on what we expect of them, and on what can they expect from us, and on possible organisations which could be invited to be IUPAP Associated Organisations.

The committee held a meeting 3<sup>rd</sup> June 2015 (by skype). In attendance: K K Phua, Sandro Scandolo, Deb Kane, Kwek Leong Chuan and Maitri Bobba as note taker. The results of the meeting are summarized below.

#### 1.1 Background to Differentiating Associated Organisations from other stakeholders

1. IUPAP connects and Liaises with International Science Unions through the International Council of Science (ISCU). Appendix A.
2. IUPAP connects and liaises with the Physics community through the national liaison contacts. The latter are a mixture of Academies of Science and Professional Societies. Appendix B
3. Additionally, IUPAP has a contact list of some 112 Physical Societies with which it can communicate.

#### 1.2 Consideration of what can be achieved by having Associated Organisations

1. Stronger connections with end users of physics.
2. Broader knowledge and acknowledgement of the role physics has to play in society and the creation of new connections that facilitate this
3. Establishing important lines of communication not covered by stakeholder connections in 1.1 above.

#### 1.3 Possible categories of Associated Organisations

1. Major Professional Societies of closely allied subject areas eg. IEEE, SPIE, mathematics example
2. Representative bodies of Industry groups
3. A more direct connection with a subset of International Unions for more direct interaction, eg. IAU, IUMRS, IMU, IUCr, IUPAB, IUPAC, IUPESM, IUTAM.

#### 1.4 Consideration of what Associated Organisations may expect of IUPAP

1. Cooperative work on projects
2. Interaction with an organization resourced at similar levels to their own.
3. Access to significant person hours of voluntary effort. (IUPAC has a track record of very active work on significant projects to support their discipline but recent reports note that it is increasingly difficult for their members to volunteer time to advance the work packages)

#### 1.5 Possible Risks and exposures

1. Before making formal connections to some of the well resourced organisations we may determine are appropriate Associated Organisations we should reflect on whether those organisations viewing IUPAP, via its website, would form a view that there is value for them in making the link.

1.6 With all of the above in mind the committee determined more input was needed before moving to drafting text for the Statutes re Associated Organisations. In particular the Committee wants to make contact to one or members of IUPAC to learn more about their structure and the role of Associated Organisations within it. (Appendix C summarizes some points about IUPAC).

## 2. Other points discussed by the committee

The Committee extended the discussion beyond its brief and makes some suggestions for strengthening interaction with the physics community in the following. In this respect, the following issues are commended to the Executive and Council for further consideration.

- i. Should we establish stronger links to the member organizations or academies and their physical societies (see list in Appendix B) as a precursor to introducing Associated Organisations .
- ii. IUPAP memberships dues are often paid by national organizations or funding agencies that may have little contact with the physics community or societies. On the other hand, the physics societies within a country may not be able to pay for the IUPAP annual membership dues. See Appendix D for Australia as an example of how the communication connections might be extended.
- iii. We should endeavor to work more closely with ICSU through projects and other matters.
- iv. IUPAP mission is to cooperate “with other organizations on disciplinary and inter-disciplinary problems”. We should consolidate our current list of associate members.

2.1 The committee feels that the issue 2(i) should be dealt with as quickly as possible. In order for IUPAP to promote research and education in physics, IUPAP should recognize that the supporting national organization or liaison should work closely with the physics societies within the country.

2.2 The committee would like to recommend the following implementation:

- Work closely with the country liaison and the physical societies
- IUPAP website should list the national liaison members as well as the liaisons for the physical societies.
- Executive members of the physical society, if the physical society is not the paying member of IUPAP, could be invited as observers to the General Assembly.

3.

## Appendix A

### International Scientific Unions list

<http://www.icsu.org/about-icsu/our-members/?icsudocid=scientific-unions>

- [IAU, International Astronomical Union](#)
- [IBRO, International Brain Research Organization](#)
- [ICA - cartography, International Cartographic Association](#)
- [IGU, International Geographical Union](#)
- [IMU, International Mathematical Union](#)
- [INQUA, International Union for QUaternary Research](#)
- [ISA, International Sociological Association](#)
- [ISPRS, International Society for Photogrammetry and Remote Sensing](#)
- [IUAES, International Union of Anthropological and Ethnological Sciences](#)
- [IUBS, International Union of Biological Sciences](#)
- [IUCr, International Union of Crystallography](#)
- [IUFRO, International Union of Forest Research Organizations](#)
- [IUFoST, International Union of Food Science and Technology](#)
- [IUGG, International Union of Geodesy and Geophysics](#)
- [IUGS, International Union of Geological Sciences](#)
- [IUHPST, The International Union for History and Philosophy of Science and Technology](#)
- [IUIS, International Union of Immunological Societies](#)
- [IUMRS, International Union of Materials Research Societies](#)
- [IUMS, International Union of Microbiological Societies](#)
- [IUNS, International Union of Nutritional Sciences](#)
- [IUPAB, International Union for Pure and Applied Biophysics](#)
- [IUPAC, International Union of Pure and Applied Chemistry](#)
- [IUPAP, International Union of Pure and Applied Physics](#)
- [IUPESM, International Union for Physical and Engineering Sciences in Medicine](#)
- [IUPHAR, International Union of Basic and Clinical Pharmacology](#)
- [IUPS, International Union of Physiological Sciences](#)
- [IUPsyS, International Union of Psychological Science](#)
- [IUSS, International Union of Soil Sciences](#)
- [IUTAM, International Union of Theoretical and Applied Mechanics](#)
- [IUTOX, International Union of Toxicology](#)
- [URSI, Union Radio Scientifique Internationale](#)

## APPENDIX B

S.No	Country	IUPAP Liaison	National Physical Society/ies	Email	
1	Algeria	El-Hachemi Amara	Centre de Développement des Technologies Avancées	<a href="mailto:contact@cdta.dz">contact@cdta.dz</a>	
2	Argentina	Antonio José Ramírez-Pastor	Asociación Física Argentina	<a href="mailto:secretaria@fisica.org.ar">secretaria@fisica.org.ar</a>	
		Fernando Manuel Bulnes			
3	Australia	Meaghan O'Brien	Australian Institute of Physics	<a href="mailto:aip_president@aip.org.au">aip_president@aip.org.au</a>	
		Meaghan Dzungza			
4	Austria	Joachim Burgdoerfer	Austrian Physical Society	<a href="mailto:wolfgang.ernst@tugraz.at">wolfgang.ernst@tugraz.at</a>	
5	Belgium	Pierre Defrance	Belgian Physical Society	<a href="mailto:BPSsecretary@oma.be">BPSsecretary@oma.be</a>	
			European Association for Chemical and Molecular Sciences	<a href="mailto:president@euchems.eu">president@euchems.eu</a>	
6	Brazil	Ricardo Magnus Osório Galvão	Sociedade Brasileira de Física	<a href="mailto:biamattos@sbfisica.org.br">biamattos@sbfisica.org.br</a>	
7	Cameroon	Ousmanou Motapon (university)	Cameroon Physical Society		
		Ousmanou Motapon (personal)			
8	Canada	Andrew Sachrajda	Canadian Association of Physicists	<a href="mailto:cap@physics.uottawa.ca">cap@physics.uottawa.ca</a>	
	Canada	Jens Dilling			
	Canada	Mary-Anne Hartlin-Leblanc			
9	Chile	Fabiola Arzvalo	Sociedad Chilena de Física	<a href="mailto:presidente.sochifi@gmail.com">presidente.sochifi@gmail.com</a>	
10	China: The Physical Society located in Taipei	Shih Chang Lee			
11	China: The Chinese Physical Society, Beijing	Li Lu	Chinese Physical Society		
	China: The Chinese Physical Society, Beijing	Li Lu (Alternative)			
12	Columbia	José	Federacion		

		Herman Muñoz	Latinoamericana de Sociedades de Física		
	Columbia	José Herman Muñoz (Alternative)	Sociedad Colombiana de Física		
13	Costa Rica	Pedro Leon			
14	Costa Rica	Pedro Leon (Alternative)			
	Croatia	Dr Vuko Brifičević	Croatian Physical Society		
	Croatia	Dr Vuko Brifičević (Alternative)			
15	Croatia	Roman Caplar			
16	Cuba	Ernesto Altshuler Alvarez	Sociedad Cubana de Física		
17	Cyprus	C. Alexandrou	Cyprus Society of Physicists	<a href="mailto:andamage@cytanet.com.cy">andamage@cytanet.com.cy</a>	<a href="mailto:phildem@cytanet.com.cy">phildem@cytanet.com.cy</a>
18	Czech Republic	Pavel Exner	Czech Physical Society		
19	Denmark	Jørgen Schou	Danish Physical Society		<a href="mailto:josc@fotonik.dtu.dk">josc@fotonik.dtu.dk</a>
20	Egypt	Hamdy A Morsy	Egyptian Materials Research Society		
21	Estonia	Ergo Nommiste	Estonian Physical Society	<a href="mailto:kaidor@fi.tartu.ee">kaidor@fi.tartu.ee</a>	
	Ethiopia	Mulugeta Bekele			
22	Finland	Finnish Physical Society Office	Finnish Physical Society	<a href="mailto:markus.e.ahlskog@jyu.fi">markus.e.ahlskog@jyu.fi</a>	
	Finland	Finnish Physical Society Chair			
23	France	Stephan Fauve	European Physical Society	<a href="mailto:john.dudley@univ-fcomte.fr">john.dudley@univ-fcomte.fr</a>	
			French Physical Society		
			Société Française des Spécialistes d'Astronomie (SFSA), French astronomy and astrophysics Company (SF2A)		
24	Germany	Bernhard Nunner	Deutsche Physikalische Gesellschaft		
			German Physical Society		
			Wissenschaftliche Gesellschaft für Lasertechnik e.V. (WLT)	<a href="mailto:andreas.ostendorf@rub.de">andreas.ostendorf@rub.de</a>	

			Astronomische Gesellschaft	<a href="mailto:president@astronomische-gesellschaft.de">president@astronomische-gesellschaft.de</a>	
			Deutsche Bunsen-Gesellschaft für Physikalische Chemie	<a href="mailto:marcell.peuckert@infraser.com">marcell.peuckert@infraser.com</a>	
			Deutsche Gesellschaft für Angewandte Optik (DgaO)	<a href="mailto:frank.hoeller@zeiss.com">frank.hoeller@zeiss.com</a>	
25	Ghana	F.K.A. Allotey	African Physical Society	<a href="mailto:president@africanphysicalsociety.org">president@africanphysicalsociety.org</a>	
	Ghana	Jojo Eghan			
26	Greece	Angelos Angelopoulos	Hellenic Physical Society		
27	Hungary	Peter Domokos	Eotvos Lorand Physical Society	<a href="mailto:elft@elft.hu">elft@elft.hu</a>	
			International Society for Theoretical Chemical Physics	<a href="mailto:istcp8@coulson.chem.elte.hu">istcp8@coulson.chem.elte.hu</a>	
			Roland Eötvös Physical Society	<a href="mailto:elft@elft.hu">elft@elft.hu</a>	<a href="mailto:zawa@phy.bme.hu">zawa@phy.bme.hu</a>
28	India	Brotati Chattopadhyay	Indian Physical Society	<a href="mailto:milank.sanyal@saha.ac.in">milank.sanyal@saha.ac.in</a>	
			Indian Physics Association	400085	
29	Iran	Reza Mansouri			
30	Ireland	Sheila Gilheany			
31	Israel	Yaron Oz	Israel Physical Society		
	Israel	Bob (Lapidus) Lapidot			
32	Italy	Dino Fiorani	Italian Physical Society		
			Societa' Italiana di Ottica e Fotonica		<a href="mailto:presidenza@siof-ottica.it">presidenza@siof-ottica.it</a>
33	Japan	Masaki Mori	Association of Asia Pacific Physics Societies	<a href="mailto:nagai@jps.or.jp">nagai@jps.or.jp</a>	<a href="mailto:swan@postech.ac.kr">swan@postech.ac.kr</a>
			Japan Society of Applied Physics	<a href="mailto:konagai.m.aa@m.titech.ac.jp">konagai.m.aa@m.titech.ac.jp</a>	
			Physical Society of Japan	<a href="mailto:toshio.hyodo@kek.jp">toshio.hyodo@kek.jp</a>	
34	Kenya	Julius Mwabora			
35	Korea	Young Dong Kim	Korean Physical Society	<a href="mailto:yplee@hanyang.ac.kr">yplee@hanyang.ac.kr</a>	
36	Latvia	Erna Karule	Latvian Physical Society	<a href="mailto:ivars.tale@lu.lv">ivars.tale@lu.lv</a>	
37	Lithuania	Juozas Vaitkus	Lithuanian Physical Society	<a href="mailto:lfid@itpa.lt">lfid@itpa.lt</a>	
38	Mexico	Jaime Urrutia Fucugauchi	Sociedad Mexicana de Física, A.C.		<a href="mailto:smf@hp.fciencias.unam.mx">smf@hp.fciencias.unam.mx</a>

	Mexico	Jaime Urrutia Fucugauchi (Alternative)			
39	Mongolia	Undraa Agvaanlvsan (Stanford)	Mongolian Physical Society		
	Mongolia	Undraa Agvaanlvsan (MonAme)			
40	Netherlands	J. Knoester			
41	New Zealand	Mark Stagg	New Zealand Institute of Physics	<a href="mailto:president@nzip.org.nz">president@nzip.org.nz</a>	
42	Norway	Oyvind Sorensen	Norwegian Physical Society		<a href="mailto:nfs@fys.uio.no">nfs@fys.uio.no</a>
43	Peru	Justo Rojas			
	Peru	Justo Rojas (Alternative)			
44	Philippines	Wilson O. Garcia	Physical Society of Philippines	6200	
	Philippines	Wilson O. Garcia (Alternative)			
45	Poland	Franciszek Krok	The Polish Physical Society	<a href="mailto:ptf@fuw.edu.pl">ptf@fuw.edu.pl</a>	
46	Portugal	Teresa Pe-a	Portuguese Physical Society		
47	Romania	N.V. Zamfir	Romanian Physical Society		
48	Russia	Natalia Istomina	National Committee of Russian Physicists	<a href="mailto:keldysh@gpad.ac.ru">keldysh@gpad.ac.ru</a>	
	Russia	Natalia Istomina (Alternative)	United Physical Society of the Russian Federation		
	Russia	Alevtina Kovaleva			
49	Saudi Arabia	Mohammed Al-Badrani			
	Saudi Arabia	Mohammed Al-Badrani (Alternative)			
50	Senegal	Ahmadou Wague	Association des Professeurs de Physique et de Chimie du Senegal	<a href="mailto:jargadiouf@yahoo.fr">jargadiouf@yahoo.fr</a>	
51	Singapore	K.K. Phua	Institute of Physics Singapore		
52	Slovak Republic	Jøelius Cirřk	Slovak Physical Society	<a href="mailto:sfs@savba.sk">sfs@savba.sk</a>	<a href="mailto:reiffers@saske.sk">reiffers@saske.sk</a>
53	Slovenia	Mitja Rosina	Society of Mathematicians Physicists and Astronomers of Slovenia	<a href="mailto:tajnik@dmfa.si">tajnik@dmfa.si</a>	
54	South Africa	South African Institute of Physics, The Secretary	South African Institute of Physics	<a href="mailto:secretary@saip.org.za">secretary@saip.org.za</a>	

	South Africa	South African Institute of Physics, Executive Officer			
55	Spain	Luis Vi-a	Real Sociedad Espaola de Ffsica	<a href="mailto:rsef@fis.ucm.es">rsef@fis.ucm.es</a>	
			Royal Spanish Physical Society		
56	Sweden	Elisabeth Rachlew	Swedish Optical Society	<a href="mailto:dinsyn@svenskaoptikersallskapet.se">dinsyn@svenskaoptikersallskapet.se</a>	
	Sweden	Ylva BorgegErd			
57	Switzerland	Minh Quang Tran	Swiss Physical Society	<a href="mailto:sps@unibas.ch">sps@unibas.ch</a>	minhquang.tran@epfl.ch
58	Tunisia	Mourad Telmini	Société Tunisienne de Physique		<a href="mailto:stp@stp.org.tn">stp@stp.org.tn</a>
59	United Kingdom	Paul Hardaker	The Institute of Physics		
60	United States of America	Ana Ferreras	American Physical Society		



## Appendix C

### Case study

#### International Union of Pure and Applied Chemistry (IUPAC)

<http://www.iupac.org/>

IUPAC has four categories of membership: National Adhering Organizations; Associate National Adhering Organization, Associated Organizations and Company Associates (about 100 companies).

IUPAC has an affiliated membership category (US\$55 per year). Currently about 5000 chemists are registered as affiliate members. IUPAC's Affiliate Membership Program (AMP) provides members with:

- bimonthly copies of Chemistry International (CI), containing information about all IUPAC programs and their operation, general news about developments in international chemistry, and discussion articles about contemporary issues in science. Also included regularly in CI is a diary of IUPAC-sponsored conferences; these conferences receive advance publicity through articles in CI, and interesting reports are published on their conclusion. Readers of CI are also kept up to date with current projects, and provisional recommendations or draft technical reports seeking general comment prior to approval;
- 10% discount on the registration fees of IUPAC sponsored conferences;
- discount of 25% on the cost of all IUPAC publications such as Pure and Applied Chemistry, IUPAC nomenclature books and compendia of data, and reports of many IUPAC-sponsored conferences.

## APPENDIX D

The Australian Academy of Science is the National Liaison Office for IUPAP in Australia. IUPAP has direct communication with AAS and the Australian Institute of Physics (AIP) currently.

Science and Technology Australia is the overarching representative of all science organisations and societies in Australia. They are unlikely to accept responsibility for paying IUPAP dues but they recognize and communicate with all the societies associated with Physical Sciences in Australia.

**<http://scienceandtechnologyaustralia.org.au/about-science-australia/member-groups/>  
Physical Sciences**

[Astronomical Society of Australia](#)

[Australasian Radiation Protection Society](#)

[Australian Ceramic Society](#)

[Australian Institute of Nuclear Science and Engineering](#)

[Australian Institute of Physics](#)

[Australian Meteorological and Oceanographic Society](#)

[Australian Microscopy and Microanalysis Society](#)

[Australian Nuclear Association](#)

[Australian Optical Society](#)

[Society of Crystallographers in Australia and New Zealand](#)

## APPENDIX E

### Other notes of interest

IUPAPs Wikipedia page

[https://en.wikipedia.org/wiki/International\\_Union\\_of\\_Pure\\_and\\_Applied\\_Physics](https://en.wikipedia.org/wiki/International_Union_of_Pure_and_Applied_Physics) can be contrasted with IMU's

[https://en.wikipedia.org/wiki/International\\_Mathematical\\_Union](https://en.wikipedia.org/wiki/International_Mathematical_Union)

and IUPACs

[https://en.wikipedia.org/wiki/International\\_Union\\_of\\_Pure\\_and\\_Applied\\_Chemistry](https://en.wikipedia.org/wiki/International_Union_of_Pure_and_Applied_Chemistry)

The MacTutor webpage (<http://www-history.mcs.st-and.ac.uk>) includes a list of International Mathematics Societies

[http://www-history.mcs.st-and.ac.uk/Societies/alph\\_list.html](http://www-history.mcs.st-and.ac.uk/Societies/alph_list.html)