



Membership matters

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Strategic vs Administration

- VP Membership and Development responsible for strategic engagements and negotiations
 - New members
 - Defaulting members
 - Excluded members
- IUPAP Secretariat responsible for administration
 - Keep current records of Adhering Body and Liaison Chairs
 - Roll out negotiated arrangements for new members and resumption of old membership as per signed MoU
 - Issues invoices and receives dues
 - Etc

Defaulting members

- For the time leading to the Centenary Celebration, it was felt that IUPAP should be lenient in dealing with defaulting members
- However, perennially defaulting members were 'given notice' at the 2023 GA to make arrangements to meet their obligations or else they will be formally excluded at the 2024 GA in China.
- We made arrangements with some countries, e.g. Nigeria, Jordan, etc.
 - Signed new MoU underscoring new commitments.

Exclusion from the Union

- All other countries who have not been fully paid up for past 6 years should be formally excluded from the Union on the following conditions **Action item**
 - They should be informed of their exclusion and the consequences thereof
 - Their debt should be capped for a 6 years period for 1 unit (CHF 15 000 in current terms)
 - IUPAP continues to communicate with them, keeps them connected with the work of the Union
 - VP Membership and Development through Membership Committee continues to engage with them, develop plan for resumption of full membership

Membership Committee

- Membership Committee was agreed to at 2023 GA
 - VP Membership and Development (Chair)
 - VP Membership and Development past
 - Jens Vigen
 - Gabriella Mara
- Will meet regularly to strategize on how to deal with members in arrears of between 3 and 6yrs
 - Will have engagements with such defaulting members to work out a mutually agreeable plan

Rights of defaulting members

- No voting rights for members in arrears of between 3 and 6yrs
- Does not form part of the quorum for voting at the GA
- May continue to serve on Commissions and WG's

Resumption plan

- An example of a resumption plan (each case to be negotiated individually)
 - Year 1: pay 0% cost of 1 unit
 - Year 2: pay 50% cost of 1 unit
 - Year 3 and onwards: pay 100% of cost of 1 unit
 - Year 6: if above has been adhered to, the debt is officially written of in the books of the IUPAP

Members at different stages of evolution

- Current fully paid up members
- New members
- Potentially new members
- Defaulting members
- Excluded members
- Developing members (ATM's)

Keep current IUPAP membership intact

- About 65 members (195 countries, i.e., 1/3 global membership)
- Cannot afford to neglect interests of our paying members
 - Must continue with one-on-one engagements on 3-year cycle
 - Encourage proposals for new activities, new initiatives from Liaison Committees, not just Executive Council, Commissions and WG's
 - Members must readily see direct benefits and not lose interest in IUPAP
 - IUPAP should remain relevant to its members even as these times change
 - The world is not static
 - IUPAP must adapt to changing times
 - The work of IUPAP must be communicated to membership and beyond
 - Nominations linked to number of units Action item
 - Special care for new members
 - Senior appointments also linked to countries with stable membership and high number of units
 - Reward long-term commitment to IUPAP

Quest for new members

- Devise strategies to approach potentially new members
 - Target most physics-productive countries that are not members
- Conversations with potentially new countries must be ongoing
 - Uzbekistan
- Use every opportunity that comes up, follow every lead
 - Commissions and WG's have an important role to play
 - Use global networks
 - Connect with embassies, PK, Ukraine
- Negotiate a mutually attractive deal to bring new members on board
 - Sign MoU with special conditions

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Rank	Country	Number of shares	Number of votes	Joined as member	Year exited	Documents	Citable doc	Citations	Self-citation	Citations per	H index			
2	1	United States	18	6	1922		1234180	1214137	27255712	11623436	22.08	927		Secure	
3	2	China (Beijing)	15	5	1934;1984		864259	878686	7420539	4258002	8.39	422		Moderately Secure	
4	3	Japan	15	5	1922		514943	509677	7133282	2366686	13.85	498		Precarious	
5	4	Germany	15	5	1954	1960	514650	508335	10012088	3124768	19.45	588		Exited	
6	5	France	15	5	1922		358582	352550	6667121	1792690	18.42	491			
7	6	United Kingdom	15	5	1922		339010	333393	7124716	1794291	21.02	549			
8	7	Russian Federation	18	6	1957		335654	33613	3051124	1063890	9.08	358			
9	8	Italy	12	5	1923		248719	245327	4290546	1246261	17.25	431			
10	9	India	15	5	1948		217483	215116	2334366	812088	10.73	292			
11	10	South Korea	10	5	1969		193305	191265	2484615	585495	12.85	333			
12	11	Spain	8	4	1922		165885	163658	3056502	729481	18.43	384			
13	12	Canada	8	4	1922		155538	153429	3039210	568645	19.54	391			
14	13	Poland	4	3	1922		120912	119794	1472912	416380	12.18	286			
15	14	Switzerland	4	3	1922		108083	106696	2547695	459844	23.57	404			
16	15	Taiwan		3	1984		106855	105679	1358808	311347	12.75	243			
17	16	Australia	4	3	1925		102592	100994	2002030	413020	19.51	337			
18	17	Netherlands	4	3	1922		98704	97293	2343551	390834	23.74	367			
19	18	Brazil	8	4	1951		98413	97473	1149110	316584	11.68	240			
20	19	Sweden	8	4	1923		77852	76852	1523976	273606	19.58	306			
21	20	Belgium	4	3	1922		67936	67039	1226855	225187	18.06	271			
22	21	Ukraine					65969	65559	500556	150919	7.59	166			
23	22	Iran	1	1	?		58577	57971	529478	209644	9.04	148			
24	23	Israel	2	2	1951		55759	55050	1171800	193086	21.02	267			
25	24	Mexico	2	2	1925		52465	51883	826810	132290	11.95	197			
26	25	Turkey					51139	50501	561506	153204	10.98	173			
27	26	Czech Republic	4	3	1993		49736	49326	632744	155246	12.72	202			
28	27	Austria	2	2	1957		49218	48524	1033524	180886	21	279			
29	28	Singapore	2	2	2009		42710	42249	755111	110733	17.68	237			
30	29	Denmark	2	2	1922		40567	40065	933090	143364	22.96	277			
31	30	Finland	3	2	1947		39108	38646	713815	126697	18.25	221			
32	31	Portugal	1	1	1984		39049	38403	635117	122338	16.26	212			
33	32	Greece	1	1	2009		36187	35661	596255	115819	16.53	206			
34	34	Malaysia					31821	31494	180674	60205	5.68	96			
35	35	Romania	1	1	1947;1960;2009	1960-1987	28908	28591	242912	57992	8.4	138			
36	36	Hungary	3	2	1948		28883	28533	521414	89318	18.05	211			
37	37	Argentina	1	1	1951;1984		28044	27781	396990	78254	14.18	183			
38	38	Egypt	1	1	1948	2017	23750	23542	228931	62901	9.64	119			
39	39	Chile	1	1	1984		23335	23073	459121	90580	19.68	188			
40	40	South Africa	3	2	1922		21593	21278	311945	52388	14.45	155			
41	41	Ireland	1	1	1966		21557	21288	394799	57497	18.31	188			
42	42	Norway	3	2	1922		21339	21081	377220	59579	17.68	183			
43	43	Saudi Arabia	1	1	1990	2017-No votii	20078	19851	188037	40482	9.37	114			
44	44	Slovakia	1	1	1993		17433	17298	215226	42502	12.35	141			
45	45	Bulgaria	0	0	1957		17157	17003	227147	38492	13.24	129			
46	46	Belarus					16153	16047	151878	33012	9.4	116			
47	47	Pakistan	0	0	1951	2017	15776	15566	146249	49257	9.27	111		Risk of defaulting in 2019	
48	48	Slovenia	1	1	1993		13793	13664	246274	43079	17.85	149			
49	49	Thailand					12948	12794	125334	24126	9.68	101			
50	50	Algeria	1	1	2009		12884	12572	61782	20829	8.44	78			
51	51	New Zealand	1	1	1954		12343	12092	220441	31196	17.86	153			
52	52	Colombia	1	1	2009	2017	10105	10017	120683	23785	11.94	107			
53	53	Indonesia					10036	9971	23274	5699	2.32	56			
54	54	Serbia					9972	9637	112373	25413	11.27	101			
55	55	Croatia	1	1	1993		9628	9730	162859	27388	16.57	141			
56	56	Lithuania	1	1	2002		9742	9689	98755	24570	10.14	101			
57	57	Tunisia	1	1	2005		9570	9498	67745	20802	7.08	71			
58	58	Armenia					8815	8732	152116	28624	17.26	126			

New membership plan

- An example of a new membership plan (each case to be negotiated individually)
 - Year 1: pay 0% cost of 1 unit
 - Year 2: pay 50% cost of 1 unit
 - Year 3 and onwards: pay 100% of cost of 1 unit

Increase number of units

I will give the President of the SAIP a brief opportunity to speak to this at the GA

- South Africa is only country in 7 years that has increased number of units from 3 to 5
- SA was a founding member of IUPAP
 - Important voice for physics in the Developing World
- Took several years to negotiate this with the NRF/DSI
 - Can be done if you win the interests of the government, calls for delivery of real benefits to the country, to the region, the continent
 - Fits into the overall strategic plan of the government
 - Physics is the proverbial canary in the coalmine **when physics is strong, the science system is strong**

Associate Territorial Membership (ATM)

- Articles have been updated in 2023
- 10% cost of one share, benefits are limited, spelt out in MoU
- Not more than 10% of members should be ATM's
- Member country must commit to programme of physics development (*quid pro quo*), of mutual benefit
 - Not simply a discounted levy
- In principle, an open call for applications on website Action item
- Renewal on 3-year cycle, following submission of a report
 - Can morph into full membership

Regional Physics Cooperative
of Heads of Physics
Departments



Long term Goal: Regional
Physical Society

IUPAP ATM

IUPAP Full membership



[1] Nepal

- Nepal is an important test case
 - Thanks to Nilam Shrestha
- IUPAP and Nepalese Physical Society must work strongly together to help develop physics in Nepal
 - Spin-off effects in the region
- Work with other physics organisations in the region, also internationally
- In 2026, we will assess progress made
 - Nepal hosted International Conference of Physics for Sustainable Energy 2023
 - Nepal representative on WG21
 - Nepal associate member of C13 or C14 Action item



[2] Pacific Island nations

- National University of Samoa (NUS) as a regional coordinating institution
 - Thanks to Gabriel Bioletti and David Hutchinson
 - Connecting with Fiji, Tonga and other island nations
 - IUPAP, NIP, Australian Academy of Science, APS, French Physical Society partners
- Plan for major workshop in 2025 on Energy for the Future
 - Energy is a pressing issue for local communities
 - LOC is being formed
 - Involve rangatahi (youth) aimed at late high school/early university-aged students
 - Preparing a Mission Statement
 - Preparing a budget

[3] Southern African physics cooperative

- SAIP to play a coordinating role
 - Thanks to Rudolph Erasmus, Azwinndini Muronga
 - IUPAP, APS, AfPS partners
- First consultative forum on co-creating the Southern Africa Physics Network (SAPhysNet) on 5 July 2024
- Grow physics cooperation in region, address problems of regional importance
 - DSI/NRF have expressed strong support
 - Aligned with strategies of DSI, SADC, AU
 - Role of Science, Technology, and Innovation (STI) in achieving sustainable socioeconomic development
- A task team has been established to drive the establishment of the cooperative
 - Develop ToR's for cooperative

[4] Eastern African physics cooperative

- EAI FR can play a coordinating role
- IUPAP, ICTP, IoP, SAIP, APS, AfPS partners

[5] ATM member in Latin America

- Leave this to incoming President and incoming VP Membership and Development to pursue further
 - Can be a single ATM country as with Nepal or
 - Can be a regional physics cooperative

Time to say goodbye

- I will rotate off the Council at conclusion of GA 2024
 - Remain Chair of WG21 until Oct 2026, major conference in 2027
- Establish Membership Committee **Action item**
 - I am happy to lend support to new incoming VP Membership and Development
- Many thanks to Kennedy Reed, Michel Spiro, Bruce Mckellar, Jens Vigen
 - Singapore Office
 - Trieste Office
- Thanks to Edmund Zingu, Manfred Hellberg, Igle Gledhill