

Resolutions of the 30th General Assembly of the International Union of Pure and Applied Physics

Geneva, Switzerland, 20-22 October 2021

Resolution 1. Ratification of Decisions made by Council

The 30th General Assembly notes the decisions made by Council after the previous GA, listed in the [following file](#), and ratifies them in full. This includes approving the change of location of the IUPAP's administrative office from Singapore to Trieste, Italy and the MOUs that have been signed between IUPAP and various partners (with [FIT](#), with [ICO](#), with [LAAMP](#), with [IUHPST](#), with [IUPAC](#), with [SCGES](#)).

Resolutions 2, regarding membership dues for 2021-2023, outstanding dues and budgetary allocation

2.1 Membership dues for 2021-2023 and budgetary allocation. On the motion of the IUPAP President, the 30th General Assembly of IUPAP adopts the fees for 2021-2023 as in the Executive Council Resolution which was confirmed by the members of IUPAP on 10th October 2020, and RESOLVES that:

1. The price per share of membership in IUPAP for 2021, 2022, and 2023 be kept fixed at the rate for 2020, namely 2420 EUR.
2. With the 2021 invoice members will be offered the option of proposing a payment plan for the years 2021, 2022 and 2023 which will lead to them paying a total of 7260 Euros per share by the end of 2023.
3. All unspent amounts allocated in the 2018-2020 budget will be carried forward to 2021-2023

2.2 Outstanding dues. Noting the difficulties imposed by the change of location of the IUPAP administrative office and also by the pandemic, the IUPAP administrative office will approach members one by one to examine their situation with regard to the payment of their dues. The General Assembly resolves, if necessary, to give an extension of time to the end of 2022 to members to make arrangements for the payment of their 2022, 2021 and 2020 dues.

Resolutions 3, regarding GAs 2022–2024, officers and commission composition.

The terms of all officers and commission members elected at the 30th GA in October 2021 are for three years (till 2024). The new IUPAP structure requires that a GA be held every year. It is then resolved that the elections of officers and commission members will take place at the in-person GAs which will be held every three years. The GA in 2022 will be virtual without elections and will be held immediately after the centenary symposium on July 14th, 2022 (ECSCC meeting will be held in person before the Centenary symposium that is going to take place in Trieste, Italy, on July 11-13, 2022). The

GA in 2023 will be held in hybrid mode, with the in-person part at CERN in Geneva, Switzerland, where the closing ceremony of IYBSSD and of the celebrations of the IUPAP's centenary will take place. No election of commission chairs or members and no changes in the EC and Officers will occur at this GA. Only the names of the designated chairs of commissions to be elected in the GA 2024 will be shared. This will avoid designating members of commissions, starting their job one year later and to designate EC members starting their job one year later.

The GA in 2024 will be held in person in line with the Articles of the new association structure of the IUPAP. Depending on the situation, it might be held in a hybrid format with the participation in person of Commission Chairs and EC members and the rest connected online.

Resolutions 4, regarding Gender Diversity and WG5:

4.1 Waterloo Charter for Gender Inclusion and Diversity. The IUPAP adopts the [Waterloo Charter for Gender Inclusion and Diversity](#) to guide its actions and commits itself to promote its adoption by its members, physical societies and other scientific unions. The IUPAP also manifests its commitment to continuously update and disseminate the list of policies, action and recommendations pertaining to affirmative action, career paths and institutional policies that are spelled out in the Charter's [Supporting Information](#).

4.2 WG5 Mandate. The IUPAP renovates the mandate of the Working Group on Women in Physics to include:

- to survey/monitor the situation and suggest means to increase gender diversity and inclusion in the practice of physics
- to keep an active network of groups across the world that can monitor the situation at the national and regional levels and promote and take actions to increase gender diversity and inclusion across countries and regions
- to organize a triennial international conference on the matter
- to promote the [Waterloo Charter for Gender Inclusion and Diversity](#) and contribute to the continuous updating and dissemination of the list of policies, action and recommendations pertaining to affirmative action, career paths and institutional policies that are spelled out in the Charter's [Supporting Information](#).
- To cooperate with commissions, affiliated commissions, working groups and IUPAP members to increase the gender diversity of the pool of candidates for awards, commission membership and to be invited as speakers or committee members of IUPAP endorsed and supported conferences
- to liaise with the Vice President at Large with Gender Champion duties in all these aspects and to cooperate in the design and control of policies and guidelines for the IUPAP's structure and for the activities endorsed and supported by the Union
- to liaise with the Vice President at Large with Gender Champion duties to participate in the joint activities organized with other international organizations, particularly those related to the Standing Committee for Gender Equality in Science

4.3 Diversity multidimensionality. The IUPAP charges the Vice-President at Large with Gender Champion duties to put together a team that will look into the possibility of expanding the aims of the Working Group to embrace all forms of diversity and inclusion or if the goal of increasing diversity in multi-dimensional aspects will be best served as a separate group.

Resolutions 5, regarding conferences

5.1 Guidelines for sponsored and endorsed conferences. Taking into consideration the changes that the COVID19 pandemic has induced in the practice of science across the world and the IUPAP position statement on virtual conferences and worldwide accessibility (<https://iupap.org/iupap-statement-on-virtual-conferences-and-worldwide-accessibility/>), the IUPAP resolves to:

- a) Use the well-established guidelines developed by the Union to pursue the principle and the practice of endorsing and supporting the most deserving international conferences and meetings of physicists regardless of whether they are held in person, virtually or in hybrid form.
- b) Given the persistent effects of the COVID19 pandemic, give due consideration to the benefits of online conferences, recognising that safe travel and access to vaccinations are not universally available. Decide on the support/endorsement of conferences and meetings without discriminating against the (accessible) platforms on which they are held.
- c) Commit to update the Union's current guidelines on good practice to cover virtual (online) conferences.
- d) Call upon all organizers of scientific meetings and conferences which include virtual participation to take into strict consideration issues of accessibility restrictions that continue to persist on the basis of geographical locations and either choose platforms with global access and worldwide footprint or include more than one way through which unhindered global participation can be facilitated.
- e) Require organizers to take into consideration the devastating effects of the COVID19 pandemic and ease the registration fees of participants with difficulties; in particular the prospective participants who have lost income due to the pandemic-related job changes or caregiver-responsibilities, with priority focused on the women affected.

Additional support for Res 5.1 is available here.

5.2. Conference Endorsement. Taking into account that the Endorsement of Conferences allows conference organizers to reflect, on their promotional material, their association with IUPAP without necessarily having to secure IUPAP financial sponsorship, noting that the relatively more flexible mechanism of Conference Endorsement currently runs/evolves time-independently without a submission deadline, and considering that currently Conference Endorsement can only be channeled through IUPAP Commissions, it is resolved to:

1. Extend the function/duty/responsibility of recommending approval of Endorsement of Conferences to include all IUPAP Working Groups in addition to the Commissions and Affiliated Commissions
2. Mandate the IUPAP Council to consider imposing (as an administrative management tool) two submission time deadlines per year in the event where a drastic increase is observed/experienced in the volume of Conference Endorsement Applications

Resolutions 6, regarding awards

6.1 Diversity of candidates for IUPAP Awards. The IUPAP mandates its Commission chairs to guarantee that the pool of candidates for Commission and Early Career Scientist awards be

sufficiently diverse, particularly in terms of gender and other underrepresented groups and geographical regions. The need to achieve this goal should be included in the call so that potential nominators take it into consideration when deciding on possible nominees. The call should be written using inclusive language asking nominators to provide, whenever possible, information on the gender of the nominee in the application file. Commission chairs should monitor that the list of proposed candidates is sufficiently diverse as the application deadline is approached, sending reminders and eventually extending the deadline when it is not. In order to monitor progress, Commission chairs are requested to provide, whenever possible, gender segregated statistics on the number of candidates that are nominated, shortlisted and awarded.

6.2 Professional ethics and scientific integrity of candidates for IUPAP Awards. Recipients of IUPAP Awards are expected to meet the commonly held standards of professional ethics and scientific integrity. Nominators should include a statement saying that, to the best of their knowledge, there are no concerns that IUPAP should be aware of regarding the nominee satisfying this expectation.

6.3 Young/Early Career Scientist Awards. The IUPAP renames its Young Scientist Prizes as Early Career Scientist Prizes. This change of name reflects that the prizes are not intended for “young” people in terms of chronological age but in terms of the stage of the career they are at. The IUPAP also approves that periods of career interruptions should be excluded when counting the years of research experience after the PhD to decide whether a person qualifies as an early career scientist or not.

Resolutions 7, regarding working groups

7.1 Working Group on Ethics (proposed by Vice-President at Large for Ethics and Outreach). It is resolved that an IUPAP Working Group on Ethics (WG18) be formed with the following mission:

1. To survey international ethics standards across societies, journals, and funding agencies, including hiring practices.
2. To consider these accumulated data to develop a set of international ethics standards.

This mission would first be applied to ethics concerning traditional scientific misconduct, including plagiarism, misuse of public funds, fabrication or misrepresentation of data, and accuracy in self representation. Later, in collaboration with WG-5, the mission would include ethical standards to prevent and establish lines of actions in cases of harassment and sexual misconduct.

7.2 Working Group on Quantum Science and Technology (proposed by the U.S. Liaison Committee). It is resolved to create the Working Group on Quantum Science and Technology (WG19) to analyze the creation of a new IUPAP Commission on Quantum Information Science and Technology. Supporting information for this proposal is available [here](#).

Resolutions 8, regarding Affiliated Commissions

8.1 International Association of Physics Students (IAPS) to become an Affiliated Commission of IUPAP (AC5). Considering the request of the International Association of Physics Students (IAPS) received on September 7, 2020 to become an Affiliated Commission of IUPAP, and considering the decision taken by the Executive Council in October 2020 to accept IAPS as an acting Affiliated Commission, pending on the ratification by the IUPAP General Assembly, the IUPAP 2021 General

Assembly resolves to accept the International Association of Physics Students as an Affiliated Commission of IUPAP (AC5)

8.2 Inter-Union and Affiliated Commission on the History and Philosophy of Physics (AC6). The 30th GA approves the creation of the Inter-Union Commission on the History and Philosophy of Physics as established in the Memorandum of Understanding signed by the presidents of the IUPAP and of the Division of History of Science and Technology of the International Union of History and Philosophy of Science and Technology (IUHPST/DHST). It also approves that this Commission become an IUPAP Affiliated Commission on the History and Philosophy of Physics (AC6) and that the first IUPAP representatives on this Commission will be:

- Roberto Lalli, PhD, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin, Germany
- Gisela Mateos, Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades, UNAM, Mexico DF, Mexico
- Joseph D. Martin, Durham University, Department of History, Durham, UK

The names of the IUPAP's representatives on this Inter-Union Commission will be revised at the IUPAP's General Assemblies.

Resolutions 9, Endorsement of 2025 as the International Year of Quantum Science and Technology (proposed by the U.S. Liaison Committee).

9.1 It is resolved to endorse the global project led by the American Physical Society (APS), the German Physical Society (DPG), and many other international partners to work through UNESCO to request a United Nations proclamation of an International Year of Quantum Science and Technology in 2025.

9.2 IUPAP expresses its strong support for the International Year of Quantum Science and Technology goals that encompass science, education, outreach, and particularly its aims to promote physics education and improve the quality of life of citizens in the developing world.

Support for this Resolution is available [here](#).

Resolution 10, regarding Open Science for physics and beyond.

Open access publishing has over the last years become mainstream in several parts of the world. IUPAP encourages all stakeholders to explore models that will make Open Access the way forward for scientists from all countries—ensuring a global publishing landscape with a vast diversity both for content coverage and publishing platforms. IUPAP applauds the [UNESCO draft recommendation on Open Science](#). The draft recommendation builds on the the essential principles of academic freedom, research integrity and scientific excellence. Open science sets a new paradigm that integrates into the scientific enterprise practices for reproducibility, transparency, sharing and collaboration resulting from the increased opening of scientific contents, tools and processes. IUPAP encourages all UNESCO Member States to vote for final approval at the upcoming General Conference—an UNESCO approval will accelerate the transition to Open Science in physics and beyond.

IUPAP urges conference organizers, publishers and information providers to implement the required data protection rules, within the legislation in the area they operate, in a way so that libraries and archives have the possibility to preserve and make available the scientific record, i.e. data (in line with

the EC resolution of 20 Nov 2019) list of conference participants, photos, videos, etc., for future reference and historical research.

Resolution 11. Framework collaboration agreement with CERN.

The 30th GA resolves to approve the Framework collaboration agreement with CERN available [here](#).