

EC&CC Meeting. January 13-15, 2025

Review of Days 1 and 2

The meeting started on January 13th with 31 participants. The agenda was followed as scheduled, with lively interventions by various participants. From these interventions and discussions we can gather the following “to-do-things”, ideas and suggestions:

On day 1:

- 1) Need to advertise IUPAP better at flagship conferences. Video on IUPAP to be shown at IUPAP conferences. The video produced for the centenary might be useful.
- 2) Need to advertise better the calls of nominations for IUPAP ECSPs. Need to make early career scientists more aware of their existence. Perhaps IUPAP conferences can be used for this too.
- 3) Regarding the arrangement with Frontiers in Physics (to invite recipients of ECSPs to submit an article free of charge to the journal), Sunil Gupta asked if the invitation could be of review papers. The submission system of Frontiers shows that there are various types of articles outside the category of research paper:

-Mini review (Summary length: 250 words, Figures and tables: 2, Manuscript length: 3000 words) Mini Review articles cover focused aspects of a current area of investigation and its recent developments. They offer a succinct and clear summary of the topic, allowing readers to get up-to-date on new developments and/or emerging concepts, as well as discuss the following: 1) Different schools of thought or controversies, 2) Current research gaps, 3) Potential future developments in the field. Mini Reviews articles are peer-reviewed, have a maximum word count of 3,000 and may contain no more than 2 Figures/Tables. Authors are required to pay a fee (B-type article) to publish a Mini Review article. Mini Review articles should have the following format: 1) Abstract, 2) Introduction, 3) Subsections relevant for the subject, 4) Discussion. Mini Review articles must not include unpublished material (unpublished/original data, submitted manuscripts, or personal communications) and may be rejected or reclassified, at a significant delay, if found to include such content).

-Perspective (Summary length: 250 words, Figures and tables: 2, Manuscript length: 3000 words) Perspective articles present a viewpoint on a specific area of investigation. They should provide the following: 1) Discuss current advances and future directions, 2) Clear presentation of the authors' perspective, 3) Accurate presentation and citations of other authors' work, 4) May include original data as well as personal insights and opinions. Perspective articles are peer-reviewed, have a maximum word count of 3,000 and may contain no more than 2 Figures/Tables. Authors are required to pay a fee (B-type article) to publish a Perspective article. Perspective articles should have the following format: 1) Abstract, 2) Introduction, 3) Subsections relevant for the subject, 4) Discussion.

-Review (Summary length: 350 words, Figures and tables: 15, Manuscript length: 12000 words) Review articles cover topics that have seen significant development or progress in recent years, with comprehensive depth and a balanced perspective. Reviews should present a complete overview of the state of the art (and should not merely summarize the literature), as well as discuss the following: 1) Different schools of thought or controversies, 2) Fundamental concepts, issues, and problems, 3) Current research gaps, 4) Potential developments in the field. Review articles are peer-reviewed, have a maximum word count of 12,000 and may contain no more than 15 Figures/Tables. Authors are required to pay a fee (A-type article) to publish a Review article.

Review articles should have the following format: 1) Abstract, 2) Introduction, 3) Subsections relevant for the subject, 4) Discussion. Review articles must not include unpublished material (unpublished/original data, submitted manuscripts, or personal communications) and may be rejected in review or reclassified, at a significant delay, if found to include such content.

C12 awardees will be invited to submit an article of some type to *Frontiers in Physics*. Maybe Jens can discuss whether any of these options would be acceptable? Then, we might ask the awardees which option they prefer. This will serve as a test.

- 4) Some immediate future tasks:
 - Renew tax exempt status of Swiss Association (ends in 2025).
 - Renew MoU with FIT in Trieste (which ends in 2026).
- 5) Associated Commission Members. We went over the names, found some things to correct. In the meantime, new names were received. Let us discuss this a little bit more.

On day 2:

- 6) GA & ICP 2027
4 letters of intent were received, some of them with a great deal of details and others just as an expression of interest. Ask more details to everybody, not in general, but ask specific questions on top of the requests of the guidelines. A specific comment on the WG21 conference will be added. Issue of visas was raised again and will be stressed during the communication. The exchange with the bidders can be done through an iterative process through the end of February. EC meeting in March, feedback, final proposal end of April.
- 7) The VP on Membership and Development presented the proposed composition of the Membership Committee along with a description of some of the actions that are planned to be taken. Regarding the composition, there was general agreement about it with the provision that Sunil Gupta should also serve on it. Regarding the actions, some comments were made about the plans to incorporate an ATM from the Pacific Islands and the help that can be obtained from New Zealand. There is the possibility of liaising with UNESCO to this end. We will explore this possibility with Joe Niemela at the time of the inauguration of IYQ2025.
- 8) The VP on Special Projects and Sponsorship made a detailed presentation of LAAAMP, stressing the need of obtaining additional funding which can be done via the incorporation of new partners, particularly, unions. This will be explored at the time of the ISC General Assembly. The possibility of adding new partner facilities (AdLS facilities that agree to receive and participate in the training of LAAAMP FAST teams and contribute to the project in other ways) was also mentioned. In particular, the possibilities of incorporating the Shanghai Synchrotron Radiation Facility or facilities in Germany were discussed. Volunteers offered help to advance in this regard. There was agreement to ask Sekazi Mtingwa to continue serving on the LAAAMP EC representing IUPAP. The VP also mentioned strengthening the SESAME platform. Besides LAAAMP, the VP talked about other possible projects,

among them, the photo contest for IYQ2025 (Joe Niemela has advanced slightly with it; we should establish a timeline and start it), activities related to the IDSSD and AI for Africa.

- 9) The President Designate made a proposal to modify the requirements for the Henri Abraham award which was accepted (reduce the number of years of service from 9 to 5). The representative of AC6 pointed out that the information about Henri Abraham should be corrected on the IUPAP website and in the description of the award when sending out the call. The President Designate then moved on to the description of the call for the Interdisciplinary ECSP, including the timeline to decide on the 2024-25 prizes. There was some debate on what we mean by interdisciplinary, but no specific proposal of change was presented. Unless something is suggested by the time of the EC meeting we will follow the guidelines drafted by the President Designate.
- 10) The composition of the rejuvenation task force was presented and there were no objections to it.
- 11) A brief description of the current situation of WGs was presented together with a proposal to ask for their input as to how they think their relationship with IUPAP should continue. A comment was made that very active WGs should stay related to IUPAP, but possibly under another type of structure (to be discussed by the rejuvenation task force). There was agreement to send a message to the current chairs of some of the WGs to ask for this input.
- 12) The Chair of WG16, Physics and Industry, made a presentation on this WG. The difficulties trying to incorporate companies as Corporate Associate Members were stressed. Several participants made suggestions, among them, reaching out to someone based in Bangalore that could serve on WG16 to make contact with this renown hub for software development, to look at the SPIE Global Business Forum events and learn from their experience liaising with companies, to seek advice from ICUIL (IUPAP's WG), to liaise with the Fusion Industry Association (<https://www.fusionindustryassociation.org/about/members/>), to add a member from Oceania, either Australia or New Zealand since both countries are very keen to translate physics research into economic impact. The need of commissions to relate with companies was stressed. The help of everybody in this regard is key!
- 13) A description of the different types of conferences that IUPAP sponsors or endorses, including the budget that is usually assigned to each of them and the requirements that are asked to be fulfilled was presented by the Associate Secretary General. It was mentioned that the call is about to become open to receive applications for the sponsorship of conferences to be held in 2026. What is needed from Commissions and ACs to make the decision on what conferences was described. There is detailed information on the website and if there are any doubts the Associate Secretary General can be contacted.

14) Finally the IUPAP budget for the period 2025-27 was presented. Apparently everything is fine!