

13th Meeting of the IUPAP Working Group on Accelerator Science (WG14)

May 11, 2023, 16:30 – 18:30 CET

Hybrid Meeting at IPAC'23 Venue – Venice, Italy

Attendees: Gianluigi Arduini, Maher Attal, Bob Bingham, Tadashi Koseki, Mats Lindroos, Lin Liu, Michael Moyers, Simon Mullins, Mike Seidel, Aliz Simon, Bridinette Sendja, Liangting Sun, Nkeiru Ubadike.

Excused: Sylvie Jacquemot, Oliver Kester, Nikolai Lobanov, Thomas Roser, Suzie Sheehy

Agenda and slides available at: <https://indico.cern.ch/event/1283029/>

Topic 1: Agenda, Minutes and Follow-up of actions (see slides: https://indico.cern.ch/event/1283029/contributions/5390134/attachments/2640197/4579850/Meeting_20230511_Agenda&Follow-up%20of%20actions_aspresented.pptx) - G. Arduini

The draft minutes of the previous meeting are approved.

Follow-up of actions:

1. Communication (Web site, etc.). **We are missing support to help with the content and to suggest contributions. Action: all**
2. A report on recent developments for accelerators for therapy and radiobiological studies will be produced. **Bob Bingham and Michael Moyers to take the lead.**
3. An intern at Melbourne University could be hired to create material for communicating the benefits of accelerators. **Action: Gianluigi to look for funding for this initiative. Done. Funding available. Action: Suzie to contact J. Vignen for the formalities to transfer the funds.**
4. Aliz mentioned that she has hired an intern at IAEA to collect and classify the information available on the web on Accelerator Science. This could provide important input for the preparation of the communication material. **Action: Aliz will circulate the terms of reference of the work to be conducted by the IAEA intern for possible feedback. Uploaded to the Indico Page: <https://indico.cern.ch/event/1283029/contributions/5390145/attachments/2646924/4581945/IUPAP%20Review%20of%20Accelerator%20Science%20Content%20Terms%20of%20Reference.pdf> Will be discussed at this meeting**
5. Lin noted that it would be important to make sure that our web page is publicized and we should profit of the forthcoming IPAC23 and International Accelerator School to make it “visible” by adding links to the web pages of these events. **Action: Gianluigi. Done. Web links added to IAS and IPAC web pages.**
6. Gianluigi asked the WG members to propose candidates to replace the four members leaving taking into account as far as possible expertise, gender and regional diversity. **Action: all working group members to send a list of proposed candidates (name, affiliation, few lines of introduction) to Gianluigi by Friday 21st April 2023. This meeting.**

Topic 2: Review of Web-based Accelerator Science Content:
<https://indico.cern.ch/event/1283029/contributions/5390145/attachments/2646924/4581941/IUPAP%20Presentation%2011%20May.pdf>) – N. Ubadike, A. Simon

Nkeiru presented a proposal of the project. She described the methodology and the possible list of search items. Social media will not be searched for time reason. As an example, the results of the search corresponding to the term “Accelerator Science” are available at: https://indico.cern.ch/event/1283029/contributions/5390145/attachments/2646924/4581942/IUPAP%20Review%20of%20Accelerator%20Science%20Content%20Example%20Search%20Result%20Summary%20accelerator_physics.pdf.

Among the items to be searched, the following were suggested during the meeting:

- Particle and leaser plasma acceleration
- Accelerator Driven Systems
- Irradiation Facilities

The Working Group congratulated Nkeiru and Aliz and look forward for the results of the project. This could be an excellent input when creating material for communicating the benefits of accelerators.

Topic 3: Selected candidates for WG14 membership – G. Arduini

Caterina Biscari, Di-Jing Huang, Lia Merminga and Minh Quang Tran have asked to step down from WG14. Following the elections held remotely, the following members have been elected:

- Ceri Brenner
- Sarah Cousineau
- Christine Darve
- Anke-Susanne Mueller

Fulvia Pilat will join WG14 as Associate Member representing the International Particle Accelerator Coordination Committee for 1 year.

Gianluigi thanked the outgoing members for their contributions to the Working Group.

Topic 5: Future Meetings

Next meetings are tentatively scheduled on:

- 7th December 2023 at 21:00 (CET) - remote
- February (week starting 26/02) - remote

Notes written by Gianluigi Arduini (15/11/2023)

List of pending actions:

1. Communication (Web site, etc.). **We are missing support to help with the content and to suggest contributions. Action: all**
2. A report on recent developments for accelerators for therapy and radiobiological studies will be produced. **Bob Bingham and Michael Moyers to take the lead.**
3. An intern at Melbourne University could be hired to create material for communicating the benefits of accelerators. **Action: Suzie to contact J. Vicens for the formalities to transfer the funds.**