

## **C14 Highlights Report to IUPAP October 2021-June 2022**

### **Submitted by Tetyana Antimirova, C14 Chair**

- Current C14 Commission held four virtual (zoom) meetings (February 11, April 8, May 9, and June 23, 2022).
- To ensure continuity between the Commissions, the transfer of the C14 materials from Dr. Roberto Nardi, the former C14 Chair to the current C14 executive was completed. The C14 materials from the previous and the current commissions are now stored on google drive and shared with current C14 commissioners.
- A new ICPE Handbook "*Connecting Research in Physics Education with Teacher Education 3*" edited by a current (second-term) C14 member Dr. Jenaro Guisasola and a former C14 member Dr. Eilish McLoughlin is completed and published.
- A subcommittee was formed to investigate the possibility of organizing a regional “Americas conference” to be held in 2024 or 2025.
- A past Chair of C14, Dr. Roberto Nardi, continues to work on Physics Panorama, a snapshot of Physics Education across the world, in the countries that are members of IUPAP.
- **ICPE Newsletters**  
Two new issues of ICPE newsletters (#73 and #74) were circulated. The newsletters introduced the profiles of current C14 Commissioners. The Newsletter #73 also introduced the new Chair of the C14 Commission.
- **2020 and 2021 ICPE Medals**  
A formal nomination process and the criteria for ICPE were developed by the Commission. A call for Nominations for 2020 and 2021 ICPE Medals was published in the ICPE Newsletters. The deadline for nominations is July 31, 2022. The C14 Commissioners are tasked to solicit quality nominations from their respective countries/national liaison committees to build a strong pool of nominations. It has been decided that unsuccessful nominations will be automatically eligible for the subsequent years (with the understanding that the nominators can update the information about the nominee, if needed).
- **C14 Webpage on IUPAP website.**  
The Commission concluded that the C14 commission page on IUPAP website needs to be revised and updated, as many materials are missing (with some posted on previous ICPE sites that existed outside of IUPAP website, while others not available altogether). The subcommittee inspected the website and identified the materials that need to be revised. The C14 subcommittee consulted with the IUPAP communications team, and based on the recommendations, came up with the proposal on C14 webpage revision/update, which was approved by the C14 Commission. It was decided that the C14 materials (newsletters and other publication) will be uploaded to the highly recommended zenodo content hosting platform. The subcommittee will work on implementing the proposed plan.
- The C14 Commissioners are tasked with promoting the International Year of Basic Sciences for Sustainable Development (IYBSSD) withing physics/science communities in their

respective countries.

- C14 members are tasked to advertise the IUPAP Centennial celebrations that will open in July 2022 and run for one year, coinciding with IYBSSD. C14 Chair Tetyana Antimirova shared information with Canadian national liaison of IUPAP and delivered an invited talk about IUPAP and its C14 Commission at the Division of Physics Education session of the Canadian Association Congress that took place June 5-9, 2022, at McMaster University in Hamilton, Ontario, Canada. More events will be planned for CAP Congress 2023.
- **C14 Associate Members nominations**  
C14 voted in favor of nominating three **Associate members** and forwarded their names to the IUPAP Secretariat:
  - 1) Dr. Cesar Mora to collaborate on potential Americas conferences
  - 2) Dr. Elizabeth Angstmann as Chair of ICPE2022
  - 3) Dr. Ajith Kumar, a regular member of C13 Commission, was recommended by C13 to represent it in C14. Because of the role of education for sustainable development, C13 and C14 were unanimous regarding the need to have a liaison between the two commissions. In addition, Dr. Arun Grover was proposed to AC5 to represent C14 in their Affiliated Commission.
- **Involvement with IUPAP-sponsored ICPE2022 Conference (virtual format)**  
C14 Commission members were invited to serve on the advisory board of ICPE2022. At least two C14 members will give ICPE2022 workshops. All commission members are tasked with advertising the information about ICPE2022 in their respective countries/regions in order to increase the participation and ensure diverse high-quality conference program.
- C14 Commissioners continue to work on collecting free resources for virtual/remote/distance labs (that the work that continues from the previous C14 commission).
- C14 is tasked to organize the Education Panel at the Centenary IUPAP Symposium to take place on July 13<sup>th</sup>, 2022. The preparations are in progress.
- Finally, at the request of C14 Commissioners, the C14 Chair approached the IUPAP Secretariat of behalf on the C14 Commissioners, asking to provide officials letters of appointment for commission members (waiting for response).
- **Conference Sponsorship**  
Two events were submitted through C14 commission for a sponsorship consideration. C14 voted **in favor of recommending** the International Conference on Physics Education – ICPE2023 for IUPAP support.  
C14 voted **against recommending** the International Accelerator School: Superconducting Science and Technology for Particle Accelerators **by our Commission**. The C14 commission felt that the proposed School is too specialized to be submitted for the support through C14. It would have been a much better fit to submit the application through the appropriate IUPAP Commission, the one that has particle research in their mandate. We believe it should be forwarded to the appropriate commission for a consideration.