ICPE Meeting Agenda (2008)  
Nicosia, Cyprus

Time: 9:00 – 17:00 or later, Friday, 22 August 2008

Location: Room to be announced, Centrum Hotel

1. INTRODUCTION
   1.1. Welcome and Introduction of Commission Members & Associate Members
       1.1.1. Members who are new to the Commission and did not attend the Marrakech meeting will have a few minutes to talk about their interests in physics education
   1.2. Minutes of the 2007 meeting in Marrakech (Jolly)
   1.3. Agenda 2008 (Jolly, Zollman)

2. SPECIAL IUPAP RESOLUTION ON PHYSICS & EDUCATION
   In Japan, IUPAP will be moving a resolution about Physics being an empirical science; the need for introducing Active Learning, Hands-on activities and emphasis on measurement. Our input is clearly important. Jolly chairs a subcommittee to prepare the resolution

3. REPORTS ON CONFERENCES AND OTHER EVENTS

4. FOLLOW-UP TO RECENT CONFERENCES & WORKSHOPS
   4.1. “World Conference on Physics & Sustainable Development.” (Jolly, Zollman, Sassi)
   4.2. UNESCO Workshops on Active Learning in Optics and Photonics (ALOP) (Jolly, Pietrocola, Mora)

5. FUTURE CONFERENCES & WORKSHOPS
   5.1. ICPE Sponsorship Applications (Jolly)
       5.1.1. Thailand, 18-24 October 2009 (Jolly)
               Theme: Development and Innovation in Physics Education
               More details in Appendix A. We should give the organizers feedback on the theme and subthemes.
       5.1.2. Mexico, 17-21 August 2010 (Jolly)
               The attempt to have a joint meeting with AAPT has not been successful. The AAPT Executive Office is very concerned about travel costs and the potential for low attendance. The proposed date are during the first month of the semester in the U.S. so they could also contribute to low attendance.
       5.1.3. China, January 2010 (Zollman)
               Lei Bao, a Chinese physics educator living in the U.S., has helped establish a physics education research center in Beijing. He is interested in organizing a conference that would be jointly sponsored by several organizations. Initial response from AAPT was cool.
       5.1.4. Interamerican Conference on Physics Education
               Scheduled for July 2009 in Colombia. César E. Mora Ley will provide more information at the meeting.
   5.2. PHYSWARE: Working Conference on Teaching Physics with Inexpensive Equipment International Centre for Theoretical Physics, Trieste, 2008
               http://cdsagenda5.ictp.trieste.it/full_display.php?id=a07137 (Jolly, Zollman, Sassi)
   5.3. Third International Conference on Women in Physics, Seoul, Korea, 8-10 October 2008
               http://www.icwip2008.org/ (Jolly)
               ICPE does hold a special status in comparison to other disciplines on this issue. We need to discuss how we could interact with the conference and it recommendations.

Comment from Diane Grayson: I think one area of intersection between the two conferences (and interest groups) is curriculum. I know Laura McCullough in the USA and Leonie Rennie in Australia have done some research on the differential effects on men and women of changing the types of questions that are asked in physics tests. Role models in textbooks are also important. Maybe a joint ICPE/ICWIP working group on this?

6. ICPE FINANCES
6.1. Past, Present, and Future Situations (Jolly)

7. MEMBERSHIP AND TRANSITION FOR THE NEXT COMMISSION 14
From the IUPAP By-Laws
Terms of Office
1. All elections are for a term of three years.
2. Chairs and Vice Chairs may not be re-elected to the same positions except in exceptional
   circumstances, and, in such circumstances, special approval by the General Assembly is
   required. Ordinary members may be re-elected once.
3. Normally the Secretary, Vice-Chair and Chair are to be chosen from among those who have
   served at least one term on the Commission.
4. Continuous service in all capacities shall not exceed three terms.
5. The Council may grant exceptions for those Commissions that undertake long-term projects
   or where continuity is particularly important.

7.1. We do not have complete control over membership or the selection of officers. However, we can
make recommendations to both IUPAP based on the nominations of the national liaison committees. IUPAP
has decided to raise the number of commission members from 13 to 14. At present we have 19
nominations for 14 positions. For a complete list see Appendices B-D.
7.2. We must include representation from some new members and other small countries. Judy Franz’
message on this topic is reproduced as Appendix C.
7.3. We will also need to have a distribution of the world’s regions. See Appendix C for a list which is
sorted by the UN-defined regions.
7.4. Only one person has been nominated for each of the officers. They are: Chair: Pratibha Jolly, Vice
Chair: Robert Lambourne, Secretary: Dean Zollman
7.5. Final recommendations are made by the IUPAP Executive Committee based on both distribution
within the Commission and distributions among the Commissions.

8. YOUNG SCIENTISTS AWARD
At this meeting we need to finalize the criteria and the procedure for the Young Scientist Award. Please keep in
mind that we cannot ask IUPAP to change this award to something that rewards a different activity. However,
if we do this one well, we may be able to get other awards later. Recall that the award is to be based on a paper
which is submitted to an ICPE supported conference. The major points which were raised at the Marrakech
meeting are listed in the minutes. Below are very brief descriptions. Refer to the minutes for more details.

- Research will include educational development such as development of instructional materials as well
  as physics education research. The impact of the research and/or development must be judged in the
  local context.
- The paper should have been accepted by a refereed journal prior to the conference for which it was
  submitted.
- All physics educators who meet the basic criterion on being within eight years of their PhD (with
  appropriate adjustments) are eligible.
- Research in areas other than physics education will not be eligible.
- Very wide distribution of the Call for Nominations must be made.
- Research and development experiences in informal education will be considered equally with those
  based on work in formal settings. For formal education there will be no restrictions on the grade level
  at which the research was conducted.

The application for the Prize should include the following
  The paper, in its original language, on which the application/nomination for the Prize is based
  A summary of the paper in English
  A complete CV
  3 letters of recommendation
  A summary of the applicant’s/nominee’s physics education work to date (limited to 3 pages)

We will provide templates for the CV, summary and letters of recommendation. We will need to establish our
assessment procedures carefully. Our primary agenda item will be to decide how to move forward.
9. PUBLICATIONS AND WEBSITE
   9.1. ICPE Newsletter
   9.1.1. Ian will not be able to join us
   9.2. ICPE Books — Reports and Updates
   9.2.1. “Connecting Research in Physics Education with Teacher Education” (Sassi, Vicentini)
   “We anticipate that this volume will completed by the time we meet in Cyprus.
   9.3. ICPE Website (Zollman)
   Same small updates to the Web site are underway. Unfortunately during the process the connection to
   the hit counter was broken, to should be fixed soon,

10. WORKING GROUPS
   10.1. I believe that in Marrakech all working groups reported that they had completed their task. Thus, we
   have none at the moment. Do we need some?

11. QUESTION & ANSWER SESSION ABOUT MEMBERS ACTIVITIES AND CONCERNS.
   To continue the idea of sharing activities in physics education, we will spend some time during which each
   attending member can present an issue in his/her country. This time we will focus on teaching physics to
   some population of students who are under-represented in physics. Some of us have many such groups, so
   we suggest that you pick one or two groups to focus on.

   We ask each of you to prepare 1 or 2 PowerPoint slides on this topic. You can either send Dean Zollman
   the slides in advance or give them to him at the beginning of the conference. He will then distribute them
   to the group.

   This time is being set aside so that we can ask questions and discuss the information in the slides. We ask
   that everyone limit his/her responses to specific answers to question and not make formal presentations.

12. FUTURE ACTIVITIES
   12.1. Student Activities
   12.1.1. With some emphasis on ICPE efforts to attract girls to physics (Grayson, Pendrill, Jolly)
   12.2. Other Projects and Activities

13. LINKS TO SCIENTIFIC BODIES
   13.1. IUPAP
   13.2. UNESCO
   13.3. EPS-PED
   13.4. AAPT/AIP
   13.5. Others (ASPEN, LAPEN, GIREP, …)

14. ICPE MEDAL
   14.1. 2008 Medal – report on status of a presentation (Jolly)
   14.2. Future Medal Recipients (suggestions & documentation to be provided by email to Commission
   members prior to the meeting)

15. OTHER BUSINESS

16. NEXT ICPE COMMISSION MEETING
   16.1. Probably Thailand, 17 or 25 October 2009

17. ADJOURNMENT

   Appendices have been omitted from the Web version