

Report as IUPAP C15- Atomic Physics representative:

Angela M. Guzman

19 November 2007

Summary

The Meeting of the Commission C15-Atomic Physics took place in Freiburg in July 2007, during the XXV International Conference on Photonic, Electronic and Atomic Collisions, ICPEAC 2007. I could not attend the Meeting because of the expenses associated with traveling from USA to Europe during high tourist season, cost of registration, etc. Although Ari Friberg was confirmed as Associate Member of C15, I contacted the organizers and was invited to attend. The first IUPAP young scientist prize was awarded to Robin Santra, Argonne National Laboratory, USA. Some additional notes:

- Nominations from Asia and Latin America were missing. All members were requested to distribute and circulate the updated call for nominations for the 2008 prize (new deadline: December 31, 2007) to national and regional physics publications and societies. The eligible nominations received for the 2007 prize remain active..
- The webpage should have become operational by October 2007 (It is not).
- The IUPAP strategy for recruiting new IUPAP member countries includes discounts and support to attend meetings.
- Continued IUPAP support of future conferences in the USA will require the accessibility by all bona fide scientists without undue delay.
- The next commission meeting will take place during ICAP 2008 in Storrs, CT, USA July 27, 2008 – August 01, 2008 (if access is assured).

The IUPAP working group 8 on nanosciences met in Hungary on September 2006. The group supports the meeting “[Ultracold Nanomatter](#)” to be held in Toronto, February 14-16, 2008. Note that it overlaps with the Winter School in Trieste.

The IUPAP Meeting of the Executive Council and Commission Chairs was held in February 2006, and attended by Ari Friberg. Joachim Burgdorfer, Chair of C15, reported on visa problems, not just in getting people to conferences in the US, but also for non-US citizens working in the US to attend conferences outside US and then get back. One of the consequences of the visa situation was that the conference on Highly Charged Ions (HCI), which was supposed to be held in U.S. hosted by a group at NIST, was held in Vilnius, Lithuania instead. This had the unintended consequence that the conference did not rotate between continents during this cycle as originally planned (2000 USA, 2002 France, 2004 Lithuania, 2006 UK) unlike previous years. A further unpleasant consequence was that the funding request for the Belfast meeting as a type-B meeting was rejected because HCI was now seen as a regional meeting.

Attachment:

Minutes IUPAP Commission C15 Atomic Physics, Freiburg, Germany, July 2007.

Commission C15 Atomic Physics

Chair: J. Burgdoerfer, Vienna University of Technology, Vienna, Austria, EU

Vice Chair: Y. Yamazaki, Atomic Physics Laboratory, RIKEN, Wako-Shi, Japan

Secretary: P. Hannaford, Sinburne University of Technology, Hawthorne Victoria, Australia

August 3, 2007

MINUTES of the Meeting of the Commission C15 July 27, 2007, Freiburg, Germany 12:30 pm to 2:00 pm

Attended by: C. Cisneros (Mexico), A. Dimitriyev (Russia), B. Fricke (Germany),
K. Gebbie (USA), K. Y. K. Ho (Taiwan), D. Mathur (India), L. Moi (Italy),
R. Thompson (Canada), Y. Yamazaki (Japan, Vice Chair C15),
J. Burgdoerfer (Austria, Chair C15),

Representative of ICPEAC: Joachim Ullrich

Regrets: M.C. Castex (France), P. Hannaford (Australia, Secretary C15), M. Zhan (China)

1) Welcome

The chair welcomes all members and guests. The agenda (appendix 1) is approved.

2) Report on General Council and Commission Chair (GC & CC) Meeting.

The chair briefly summarizes the main topics discussed and decided on during in GC & CC meeting in Prague, Oct. 13 to 15, 2006. A full report was sent out to the members of C15.

As associated members to C15 were confirmed:

Zohra Ben Lakhdar (Tunisia), from C13, Physics for Development

Bob Hallock (USA), from C5, Low Temperature Physics

Ari Friberg (Sweden), from Associated Commission 1, Optics

Associate members from C15 to commission C2 SUNAMCO:

A. Dimitriyev (Novosibirsk, Russia)

The chair explains that additional associate members could not be appointed due to the fact that the IUPAP office did not mail the list of our nominees to other commissions early enough.

The members state that they did not receive their copy of the IUPAP 2005 General Report

Action: K. Gebbie will inquire with the IUPAP office and initiate the mailing of the report to the members.

The chair reports on the decisions regarding the conference support. ICPEAC 2007 in Freiburg received support as type A conference. HCI 2006 was not supported based on the fact that it took place in Europe 3 times in a row. The chair pointed out that the latter results from the difficulties in organizing the conference in Gaithersburg (USA) in 2004, which led to the move to Vilnius (Lithuania).

3) **IUPAP young scientist prize**

The chair reports on the selection of the first IUPAP young scientist prize. C15 received nominations of 16 highly qualified candidates. The selection committee agreed on awarding the prize to Robin Santra, Argonne National Lab., USA. The chair pointed out that the nominations were unevenly distributed among regions with nominations from Asia and Latin America missing. Mathur, Ho and Yamazaki state that the call for nominations was widely distributed in India, Taiwan, and Japan. They expect that more nominations can be expected in future years when the prize is better known.

Action: All members are requested to distribute and circulate the updated call for nominations for the 2008 prize (new deadline: December 31, 2007) to national and regional physics publications and societies.

The commission agrees that all eligible nominations received for the 2007 prize remain active.

The chair will request from the nominators updated information.

4) **Conference Support**

The commission unanimously supports the following ranking of conference applications:

- a) ICAP 2008, Storrs, CT. USA – type A
- b) HCI 2008, Tokyo, Japan – type B
- c) X-08, Paris, France – type B

The commission notes that HCI was incorrectly classified as type C conference based on an overly pessimistic estimate on attendance.

Action: Yamazaki will suggest to the local organizers to send to IUPAP a letter correcting the information given on the application.

5) **Communication**

Yamazaki reports on the status of the C15 webpage. The webpage should become operational by October 2007.

Action: Yamazaki will send the URL to all members and collects suggestions and improvements. All members are requested to provide input and additions to the contents of the webpage.

Thompson suggests a visible presence of IUPAP-C15 at national and regional meetings in the field of C15 such as DAMOP ect.

Actions: All members will explore the possibility to institutionalize such a presence at meetings in their region.

6) **Recruitment of new IUPAP member countries**

The chair reports on the IUPAP strategy to expand the IUPAP membership base. This includes discounts and support to attend meetings. A preliminary list of targeted countries is enclosed in the hand-out. The members are requested to help to identify suitable countries using their

personal contact.

7) **Miscellaneous**

a) Ho and Mathur raise the issue of difficulties regarding visits of scientists to the USA.

Thompson points out that also foreign scientists working in the USA have difficulties attending meetings abroad. The commission C15 is concerned about these persistent difficulties despite improvements and agrees to closely monitor the situation. Continued IUPAP support of future conferences in the USA will require the accessibility by all bona fide scientists without undue delay. All members are urged to report and document to the commission all difficulties encountered by colleagues.

b) The next commission meeting will take place during ICAP 2008 in Storrs, CT, USA July 27, 2008 – August 01, 2008 (if access is assured).

Joachim Burgdoerfer

(chair)