

Report to the IUPAP Council and Commission Chairs; 2009

The **11th International Conference on Topics in Astroparticle and Underground Physics (TAUP 2009)**, co-sponsored by IUPAP, INFN (Italy) and the Università degli Studi di Torino (Italy) was held at the Gran Sasso National Laboratory, Italy, during July 1-5, 2009. The proceedings of the conference will be published in a forthcoming volume (203) of Journal of Physics: Conference Series in 2010.

The **31st International Cosmic Ray Conference (ICRC 2009)**, co-sponsored by the IUPAP, University of Lodz and the Andrzej Soltan Institute for Nuclear studies, was held at Lodz, Poland during July 7-15, 2009. Among the 681 participants were 65 women physicists and astrophysicists and a total of 925 contributory papers were presented in the oral and poster sessions. 17 highlight talks covered several major experimental projects in various stages of development and operation. The scientific program included 5 invited and 7 rapporteur talks, including the **Victor Hess Memorial lecture** by the well-known and distinguished cosmic ray physicist and astrophysicist **Arnold Wolfendale (UK)**. The proceedings of the ICRC 2009 are available online at <http://icrc2009.uni.lodz.pl/>. In view of very limited demand for the printed version of the proceedings and the very high cost of producing only a small number of copies, the Commission agreed with the proposal from the organizers of the ICRC 2009 not to produce the printed version of the proceedings. Of course, several conference participants conveyed their unhappiness to the Commission on this decision as they felt that the easy availability of printed proceedings in institutional libraries was very convenient for referring to earlier works.

The **O'Ceallaigh medal** for 2009 was presented to **Ramanath Cowsik (USA)** at the inaugural session of the ICRC 2009 followed by the presentation of the **Kanwal and Gaurang Yodh prize** to **Dietrich Muller (USA)** and the **Duggal award** to **Stefan Funk (Germany)**. The **2009 IUPAP Young Scientist awards** were won by **Gang Li (USA)** and **Michael Unger (Germany)**.

The C4 Commission held 3 meetings at Lodz on July 7, 10 and 14, 2007. The Chair informed the members about various IUPAP matters including the transfer of the IUPAP Secretariat from the APS at College Park, MD (USA) to IOP at London (UK). The members welcomed the news that the amount of the IUPAP Young Scientist award has been increased from US \$ 1000 to Euro 1000. The Commission received a report on the organization of the ICRC 2009 and conveyed its satisfaction to the organizers about various facilities and arrangements for the conference. The members were happy to know from Hongbo Hu and his Chinese colleagues about the progress in the preparations for the ICRC 2011 to be held in Beijing in August 2011.

The Commission also received 2 proposals for organizing the ICRC's in 2013 and 2015. Ron Shellard, Dy. Director, CBPF, Brazil had submitted a written proposal to the Chair for organizing the **ICRC 2013 in Brazil**, before the conference. As he was not present at the conference, his colleagues led by Vitor de Souza presented the details of the proposal, including the facilities and infrastructure available in Rio de Janeiro for the ICRC. The members discussed the proposal in detail and agreed to support the proposal. Further, Ad M. van den Berg from the University of Groningen in Netherlands proposed to organize the ICRC 2015 in Netherlands and presented the details of various facilities available for the purpose in Amsterdam, Groningen or Nijmegen. The members welcomed the proposal and encouraged Ad M. van den Berg to proceed with further preparations, noting that the decision for the ICRC 2015 must await for the C4 meeting at ICRC 2011 in Beijing.

The Commission also discussed during its meeting on July 14, 2009 the need to commemorate the 100th anniversary in 2012 of the historic balloon flight of Victor Hess in 1912 which led to the discovery of

cosmic rays. The C4 Chair had written to a large number of the members of the cosmic ray community to think of an appropriate mode to celebrate the event. In response to this appeal, the commission heard of the proposal by Michael Walter of Deutsches Elektronen-Synchrotron (DESY) in Zeuthen, Germany to organize an International Conference near Berlin, not too far from the place where the historic balloon flight ended. The members welcomed the proposal and encouraged Michael Walter to proceed further with the development of the proposal.

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