

## **C11 Report to IUPAP Commission Chairs and Executive Committee**

*August 2019*

*Heidi Schellman, Chair IUPAP-C11 Commission*

### **C11 Officers:**

**Chair: Heidi Schellman** (2011) (2014) (2017) United States

**Vice-Chair: Mihoko Nojiri** (2014) (2017) Canada

**Secretary: Florencia Canelli** (2014) (2017) Switzerland

### **C11 Members:**

**Zhi-Zhong Xing** (2014) (2017) China

**Srubabati Goswami** (2017) India

**Dezso Horvath** (2014) (2017) Hungary

**Azwinndini Muronga** (2017) South Africa

**Johan Rathsman** (2014)(2017) Sweden

**Antonio Zoccoli** (2017) Italy

**Raymond Volkas** (2014) (2017) Australia

**Marie-Helene Schune** (2017) France

**Sergio F. Novaes** (2011) (2014)(2017) Brazil

**Alexander Sorin** (2017) Russian Federation

**Brigitte Vachon** (2017) Canada

### **C11 Associate members:**

Sunil Gupta (C4), Eugenio Nappi (C12, continuing)

Since the General Assembly in October 2017, the Commission has concentrated on 3 efforts.

- 1) Selection of the recipients for the C11 Young Scientist Prize
- 2) Engagement with conference organizers to implement the motions on diversity enacted at the General Assembly
- 3) Formation of the Neutrino Panel mandated by the General Assembly.

The Commission has met by phone and met in person at Lepton Photon Symposium in Toronto, August 5-9 2019

### **Implementation of General Assembly Resolution on Diversity**

The ICHEP2016 conference set a benchmark for our field, with 50% of plenary speakers being female and an extremely well attended session on inclusion in HEP. This and the General Assembly resolution have been communicated to the organizers of future conferences, along with recommendations on best practices. In particular, proper reporting on gender and national balance requires that that data be acquired at registration.

Conferences are now also expected to have a posted anti-harassment policy. It is important that the policy and procedures be clear and communicated to participants.

## **Implementation of the General Assembly Resolution Implementing a Neutrino Panel**

The 29<sup>th</sup> General Assembly RESOLVED to establish the Neutrino Panel, composed of nominees of C4, C11, C12, WG1, WG9 and WG10, under the supervision of those Commissions and Working Groups and coordinated by C11. The Neutrino Panel has a 3-year mandate “ to promote international cooperation in the development of an experimental program to study the properties of neutrinos and to promote international collaboration in the development of future neutrino experiments to establish the properties of neutrinos.”

The Commissions and working groups have met by phone and composed a roster of neutrino physicists spanning the full range of neutrino physics. 3 co-chairs, Nigel Smith, Takaaki Kajita and Manfred Lindner have assembled a committee representative of all aspects of neutrino physics with input from the commissions and working groups.

The Neutrino Panel membership is listed below, it covers particle, nuclear and astrophysical neutrinos. Subgroups have been tasked with producing sections of a white paper for the IUPAP General Council in October 2020.

Name	Institution	Country
Takaaki Kajita (co-chair)	Tokyo University	Japan
Nigel Smith (co-chair)	SNOLab	Canada
Manfred Lindner (co-chair)	MPI-Heidelberg	Germany
Jun Cao	IHEP Beijing	China
Kate Scholberg	Duke University	US
Nathalie Palanque-Delabrouille	Saclay	France
Thomas Brunner	McGill University	Canada
Steve Barwick	Irvine	US
Ken Long	Imperial College	UK
Walter Winter	DESY, Zeuthen	Germany
M Sajjad Athar	Aligahr Muslim University	India
Sam Zeller	Fermilab	US
Kunio Inoue	Tohoku/Kavli IPMU	Japan
Marek Kowalski	DESY Zeuthen	Germany
Seon-Hee Seo	Seoul National University	Korea
Heidi Schellman	Oregon State University	US
Renata Zukanovich Funchal	Sao Paulo	Brasil
Viacheslav Egorov	JINR, Dubna	Russia

## **Freedom of movement of Data**

The Chair of C11 traditionally summarizes the C11 meeting at a plenary talk on the final day of the major (Type A) conference. This talk normally gets no questions but this time a member of the audience asked about IUPAP's stance on access to data across national boundaries. The Chair followed up on this question and believes that it raises a serious issue that IUPAP should discuss it at the October meeting.

Large Particle Physics experiments are multi-national and can easily have people of 50 different nationalities as collaborators. What we are seeing is that, as research institutes are driven to tighten computer security, they are also tightening data access standards, including restrictions and delays in access for non-nationals. These are not cases of formal Open Data but cases where the external scientist has earned intellectual rights to the data as a formal collaborator. As scientific collaboration comes to rely more on virtual rather than physical research infrastructure these issues of remote access could become as important as those of physical freedom of access embodied in the IUPAP charter.

## **Conferences Supervision**

### **LP2019, Toronto CA**

The Lepton Photon Conference in Toronto in 2019 was the first to have parallel as well as plenary sessions. Attendance at this conference, particularly by younger scientists, has been low in recent years as funding agencies often require a presentation to fund attendance. The addition of parallel sessions raised the fraction of young (postdoc/student) scientists to 45% and raised attendance. Future Lepton Photon conferences are encouraged to continue this practice.

35% of plenary speakers were women. Participants were 70% male, 28% female, 2% declined to specify. 22 plenary speakers were from North America, 15 from Europe and 9 from Asia. The conference was run paper free.

### **Upcoming conferences**

#### **Category A:**

International Conference on High Energy Physics (Prague, Czech Republic, July 30-August 5, 2020)

Lepton Photon 2021 (Manchester, UK, August 9-14, 2021)

International Conference on High Energy Physics (Bologna, Italy, July 6-13, 2022)

#### **Category B:**

Neutrino 2020 (Chicago, US, June 21-27, 2020)

Large Hadron Collider Conference (Paris, France, 25-30 May 2020)

**Others:**

IPAC20, Caen, France, May 11-15, 2020

TIPP 2020, Vancouver, Canada, TBA

International Baldin Seminar, DUBNA, Russia, September 14-19, 2020

The Neutrino conference and the Baldin Seminar occur biannually and have been sponsored by C11 for many years. Technology and Instrumentation in Particle Physics (TIPP) occurs every 3 years while the International Conference on Particle Physics (IPAC) occurs annually. They are usually endorsed but do not receive financial support. LHCP was supported for the first time this year as a Category B conference. It cannot be supported every year but will likely alternate with Neutrino.

## Conference Solicitation

In 2018, C11 prepared formal guidelines for conferences and, via the IUPAP website, solicited bids for LP2019 and ICHEP2022.

<http://iupap.org/commissions/c11-particles-and-fields/c11-conference-guidelines/>

These guidelines provide advice on a successful conference bid and streamlined the process considerably. In addition to the IUPAP mandates on freedom of access and diversity, we ask about the availability of day care as accompanying persons are now very likely to be children.

The solicitation garnered around 10 approaches from local tourism and conference boards. They were informed that formal approaches needed to come from local universities and given the names of local contacts. This resulted in at least one successful proposal that might otherwise not have happened if the initial connection between the conference board and the institutions had not been made.

**Future conferences:**

IUPAP C11, Particles and Fields, is soliciting applications from institutions interested in hosting the Lepton Photon Symposium in 2023 and the "Rochester Conference", ICHEP in 2024. Interested parties should contact the C11 chair. Written applications will be accepted until June 1, 2020.

The application should contain information about the participating institutions, the local organizing committee, likely costs and locations and alternative funding sources. We expect to make a final decision on the locations at our meeting in August 2020. Please see <http://iupap.org/commissions/c11-particles-and-fields/c11-conference-guidelines/> for our full conference guidelines.