

Azwinndini Muronga



IUPAP C12 Associate Member

IUPAP C11 Vice-Chair (2021-2024)

IUPAP C11 Member (2017-2021)

Report of the C11 Commission on Particles and Fields

***Presented to IUPAP C12 Commission on Nuclear
Physics Meeting***

June 22, 2024

About me:

I am currently the Executive Dean of Science at Nelson Mandela University, South Africa. My field of research is in heavy ion physics and astrophysics – theory and computation. I am also involved in topical issues of diversity, equality and inclusion; public education and outreach; as well as physics for development in Africa.

About C11 Commission on Particles and Fields:

Officers

Chair

Florencia Canelli (2014) (2017) (2021)

Email: canelli@physik.uzh.ch

Vice–Chair

Azwinndini Muronga (2017) (2021)

Email: Azwinndini.Muronga@mandela.ac.za

Secretary

Young-Kee Kim (2021)

Email: ykkim@hep.uchicago.edu

Members

Alexander Sorin (2017) (2021)

Email: sorin@theor.jinr.ru

Nicole Bell (2021)

Email: n.bell@unimelb.edu.au

Barbara Clerboux (2021)

Email: Barbara.Clerboux@ulb.be

Marcelo Munhoz (2021)

Email: munhoz@if.usp.br

Jana Bielcikova (2021)

Email: bielcikova@ujf.cas.cz

Lydia Iconomidou-Fayard (2021)

Email: lfayard@lal.in2p3.fr

Srubabati Goswami (2017)(2021)

Email: sruba@prl.res.in

Atsuko Ichikawa (2021)

Email: ichikawa@scphys.kyoto-u.ac.jp

Roman Pasechnik (2021)

Email: roman.pasechnik@thep.lu.se

Franz Muheim (2021)

Email: f.muheim@ed.ac.uk

Isabell Melzer-Pellmann (2022)

Email: Isabell.Melzer-Pellmann@cern.ch

Associate Members

Ani Aprahamian, University of Notre Dame, Notre Dame, IN, USA

Email: aapraham@nde.edu

Takaaki Kajita, University of Tokyo, Tokyo, Japan

Email: kajita@icrr.u-tokyo.ac.jp

Oliver Stelzer-Chilton, University of British Columbia, Vancouver, BC, Canada

Email: stelzer-chilton@triumf.ca

Anna Machado (Brazil)

Liangjian Wen (China, Beijing)

Since the General Assembly in October 2022, the Commission has focused on several key efforts, including:

1. Selecting recipients for the C11 Young Scientist Prize
2. Collaborating with conference organizers to implement diversity initiatives
3. Providing support for the organization of hybrid and virtual conferences
4. Enhancing regional and gender balance within the C11 committee.

The Commission had the opportunity to meet in both hybrid and virtual formats at the ICHEP2022 conference in July 2022 and the LeptonPhoton2023 meeting in July 2023. Additionally, other meetings were conducted via Zoom to facilitate the selection process for the C11 Young Scientist Awards. In line with our usual practice, we issued a call for applications, reviewed submissions, and selected deserving recipients for the Young Scientist Award in 2022.

Furthermore, we have recently initiated an open call to institutions interested in hosting the Lepton Photon Symposium in 2027 and the ICHEP conference in 2026. However, due to a limited number of bids received for the Lepton Photon conference, we extended the deadline until September 1, 2023.

The C11 committee has been actively discussing the balance between hybrid and remote participation in conferences, workshops, and meetings, particularly in light of the sustainability concerns arising from CO₂ emissions. Several European institutions have implemented limits on the number of conferences or CO₂ emissions per person per year. Given the large worldwide community and our tradition of rotating conferences across different continents, this topic holds significant importance for the C11 committee. By addressing these key areas, the C11 aims to foster inclusivity, excellence, and sustainability within the field of physics and promote collaboration among researchers globally.

Our community members have expressed the need for a comprehensive code of conduct for conferences that can be relied upon by the organization. It is important for this code to encompass both conference organizers and attendees. Additionally, there is a request for IUPAP to ensure that individuals who have engaged in serious misconduct resulting in disciplinary actions, such as expulsion from an institution, are not eligible to receive prizes or awards.

We believe that the WG on Ethics within IUPAP can provide valuable guidance and guidelines on these important topics. It is our hope that they can assist in establishing a clear framework that promotes ethical behavior and accountability within the conference community.

The participation of members from Russian institutes at conferences has been a recurring question. While the statement from IUPAP and the provided guidelines on how to proceed have proven beneficial for organizers, it is unfortunate that Russian participation has significantly decreased, and in many cases, disappeared altogether. As a result, conference organizers tend to avoid inviting members from Russian institutes to their organizing committees or as session conveners. In the rare instances when they do invite Russian participants, organizers often request that they remove their affiliation from their registration or poster or follow the established IUPAP procedure. It is crucial to address these concerns and find ways to encourage and facilitate the participation of members from Russian institutes at conferences.

Conferences Supervision during 2023/2024

Category A:

30th International Symposium on Lepton Photon Interactions at High Energies 17 – 21 July 2023 Melbourne, Australia

Category B:

International Conference on Large Hadron Collider Physics (LHCP-2023) 22 – 27 May 2023 Belgrade, Serbia

26th International Conference on Computing in High Energy and Nuclear Physics 08 – 12 May 2023 Norfolk, VA, USA – from 2021 COVID postponed.

International Conference on Large Hadron Collider Physics (LHCP-2023) 22 – 27 May 2023 Boston, United States

Category C:

International Particle Accelerator Conference (IPAC-2023) 07 – 12 May 2023 Venice, Italy

International Conference on Technology and Instrumentation in Particle Physics (TIPP-2023)
04 – 08 September 2023, Cape Town, South Africa

Higgs Hunting 2023
11 – 13 September 2023, Orsay and Paris, France

The first Edition of the African Conference on High Energy Physics (ACHEP) 23 - 27 October 2023, Rabat-Salé-Kénitra, Morocco

Special remote DESY Summer School 2023
07 August – 09 September 2023, DESY, Hamburg

14th International Workshop on Neutrino-Nucleus Interactions (NuInt) 15 – 20 April 2024, São Paulo, Brazil

Upcoming conferences

Category A

International Conference on High Energy Physics 2024

17 – 24 July 2024, Prague, Czech Republic

International Conference on High Energy Physics 2026 TBD July 2024, Natal, Brazil

ECS Award

We have finalized to review the applications. We received about 40 applications. The winners will be announced at ICHEP2024 in July.

Notes

I am serving on the International Advisory Committee of ICHEP2024. The next meeting of C11 will take place during ICHEP2024 in Prague – July 21 (09:20-16:40 local time).

This will be my last term serving as C11 Member and Vice-Chair. The South African Institute of Physics has nominated and send a potential replacement to IUPAP.