



International Union of Pure and Applied Physics

and Nuclear Physics

Iris Dillmann and Mathis Wiedeking
for IUPAP Commission 12 and Working Group 9

Who We Are

The **International Union of Pure and Applied Physics (IUPAP)** is the only international physics organization that is organized and run by the physics community itself. Its members are identified physics communities in countries or regions around the world.

The IUPAP was established in 1922 in Brussels with 13 Member countries and the first General Assembly was held in 1923 in Paris. It currently has 60 country members.



<https://iupap.org/>

Home / Who We Are / Mission

MISSION



“ To assist in the worldwide development of physics, to foster international cooperation in physics, and to help in the application of physics toward solving problems of concern to humanity. ”

<https://iupap.org/>

How does IUPAP carry out its mission ?

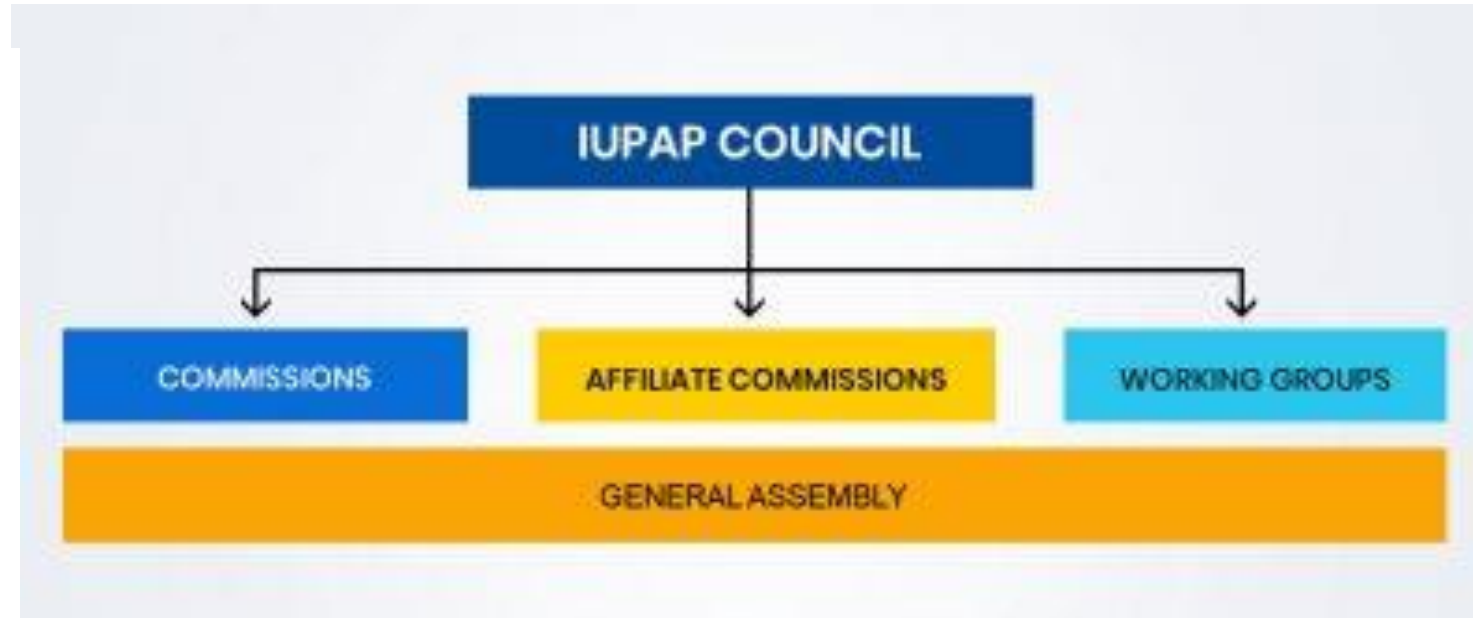
- **Sponsoring international meetings;**
- fostering communications and publications;
- encouraging research and education;
- **boosting the careers of young researchers;**
- promoting openness and inclusiveness in physics;
- fostering the free circulation of scientists;
- **promoting international agreements on symbols, units, nomenclature and standards;**
- cooperating with other organizations on disciplinary and interdisciplinary problems;
- promote physics as a building block of innovation and multidisciplinary research and as an essential tool for development and for sustainability

Organization

COMMISSIONS (19)

- C1: Commission on Policy and Finance
- C2: Commission on Symbols, Units, Nomenclature, Atomic Masses and Fundamental Constants
- C3: Statistical Physics
- C4: Astroparticle Physics
- C5: Low Temperature Physics
- C6: Biological Physics
- C8: Semiconductors
- C9: Magnetism
- C10: Structure and Dynamics of Condensed Matter
- C11: Particles and Fields
- C12: Commission on Nuclear Physics
- C13: Physics for Development

- C14: Physics Education
- C15: Atomic, Molecular, and Optical Physics
- C16: Plasma Physics
- C17: Laser Physics and Photonics
- C18: Mathematical Physics
- C19: Astrophysics
- C20: Computational Physics



WORKING GROUPS (13)

- WG1: International Committee for Future Accelerators (ICFA)
- WG5: Women in Physics
- WG7: International Committee on Ultrahigh Intensity Lasers (ICUIL)
- WG9: International Cooperation in Nuclear Physics (ICNP)
- WG11: Gravitational Wave International Committee (GWIC)
- WG13: Newtonian Constant of Gravitation
- WG14: Accelerator Science
- WG15: Soft Matter
- WG16: Physics and Industry
- WG18: Working Group on Ethics
- WG19: Working Group on Quantum Science and Technology
- WG20: Working Group on open science
- WG21: Working Group Physics for Climate Change Action and Sustainable Development

C12 and WG9 members joint meeting once per year - hybrid mode:
June 2023: ARIS, Avignon/France
June 2024: TRIUMF, Vancouver/ Canada
May 2025: INPC, Daejeon/ S Korea

C12 and WG9

The **commissions** promote the objectives of the Union within their areas of expertise and provide advice to IUPAP on the activities and needs of the subfields of physics they represent → **C12 (Nuclear Physics)**

<https://iupap.org/who-we-are/internal-organization/commissions/c12-commission-on-nuclear-physics/>

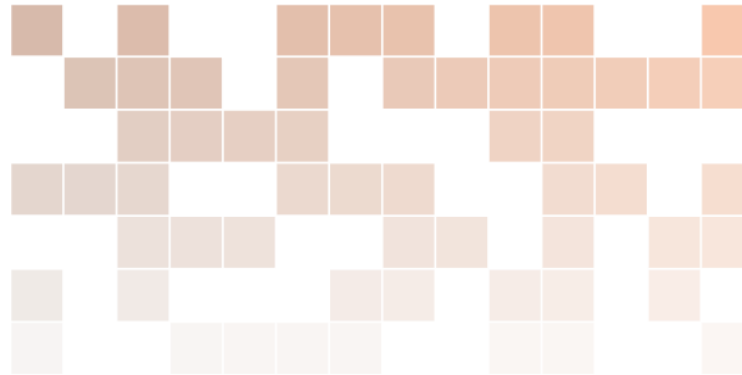
The **working groups** are an international and interdisciplinary collaboration of researchers aiming to focus and develop new research fields and activities that would be difficult to resource through traditional funding programmes.

→ **WG9 (Int. Cooperation in Nuclear Physics) and representation in WG16 (Physics and Industry)**

<https://iupap.org/who-we-are/internal-organization/working-groups/wg9-international-cooperation-in-nuclear-physics-icnp/>

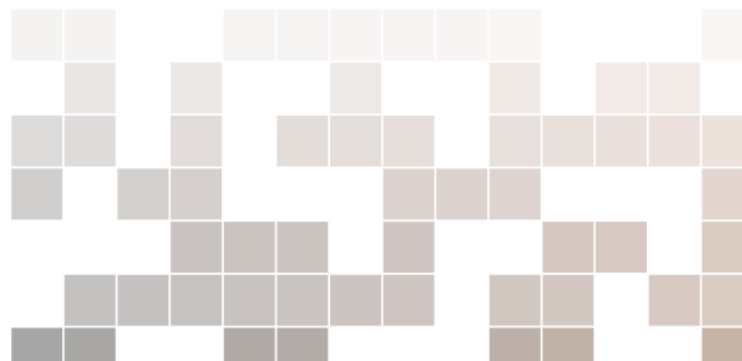
<https://wg9.triumf.ca>

IUPAP Report 41 (WG9)



IUPAP Report 41

A Worldwide Perspective of Research And Research Facilities
in Nuclear Physics by the IUPAP Working Group 9



“A Worldwide Perspective of Research And Research Facilities in Nuclear Physics”

Updated Report (August 2023)

Next update will start 2025:

*Please help keeping this overview up-to-date and
provide data when we contact you!*

10	LABORATORIES IN AFRICA	63
11	LABORATORIES IN ASIA	67
12	LABORATORIES IN AUSTRALIA	123
13	LABORATORIES IN EUROPE	129
14	LABORATORIES IN NORTH AMERICA ..	257
15	LABORATORIES IN SOUTH AMERICA ..	323

<https://wg9.triumf.ca/report41.html>

C12 members (11 + 3 Officers + Associate Members)

Officers

Chair

Ani Aprahamian (2014) (2017) (2021)
Email: aapraham@nd.edu

Vice–Chair

Maria J. G. Borge (2017) (2021)
Email: mj.borge@csic.es ; mgb@cern.ch

Secretary

Eberhard Widmann (2017) (2021)
Email: eberhard.widmann@oeaw.ac.at

Members

Anna Mackova (2017) (2021)
email: mackova@ujf.cas.cz

Yanlin Ye (2017) (2021)
Email: yeyl@pku.edu.cn

Fanny Farget (2017) (2021)
Email: fanny.farget@cnrs-dir.fr

Iris Dillmann (2017) (2021)
Email: dillmann@triumf.ca

Diego Bettoni (2021)
Email: diego.bettoni@presid.infn.it

Tord Johansson (2021)
Email: tord.johansson@physics.uu.se

Mathis Wiedeking (2021)
Email: wiedeking@tlabs.ac.za

Mitko Gaidarov (2021)
Email: gaidarov@inrne.bas.bg

Tomofumi Nagae (2021)
Email: nagae@scphys.kyoto-u.ac.jp

Jin-Hee Yoon (2021)
Email: jinyoon@inha.ac.kr

Leonid Grigorenko (2021)
Email: lgrigorenko@yandex.ru

Associate Members

Azwinndini Muronga, Nelson Mandela University, South Africa
Email: Azwinndini.Muronga@mandela.ac.za

Junichi Yokoyama, President of Asia Pacific Physics Societies, Japan
Email: yokoyama@resceu.s.u-tokyo.ac.jp

Chia-Liang Cheng , National Dong Hwa University, China, Taipei
Email: clcheng@gms.ndhu.edu.tw

Conferences

- IUPAP sponsors and endorses ~50 conferences per year
 - Very large (A), medium size(B), specialize(C)
 - Always with a special attention to developing countries
 - **Nominations via the commissions**
- Requirements for sponsorship
 - Scientific interest
 - **Worldwide attendance with no a priori restriction or difficulty to attend**
 - Inclusiveness and diversity
 - Allowing for remote participation is about to be established as an additional criteria
 - Reducing the conference-carbon footprint
 - Improving diverse participation



Every Year the Sponsoring call deadline is 1st of June

<https://iupap.org/conferences/applications/>

IUPAP C12 Early Career Scientist Prizes 2025

- Call for nominations of the IUPAP Early Career Scientist Prize in Nuclear Physics
 - The purpose of the prize is: "To recognize and encourage promising experimental or theoretical research in nuclear physics, including the advancement of methods, procedures, techniques, or devices that contribute in a significant way to nuclear physics research."
 - The prize consists of an amount of 1,000 €, a medal, a certificate citing the recipient's contributions, and a presentation at INPC 2025 where they will receive the award.
 - The nomination package should contain, other than the nomination letter, two additional letters of support, the curriculum vitae of the nominee containing also the list of publications.
 - Nominations are due **November 1, 2024**. At this date candidates for the prize must have a maximum of eight years of research experience (excluding career interruption) following the Ph.D. (or equivalent) degree.
- **3 prizes**
 - **Award ceremony at the INPC 2025**
(Daejeon/ South Korea)
 - **Includes a presentation!**
 - **Deadline: Nov 1, 2024**

*Send nominations to C12 Vice Chair Maria Borge
(mj.borge@csic.es)*

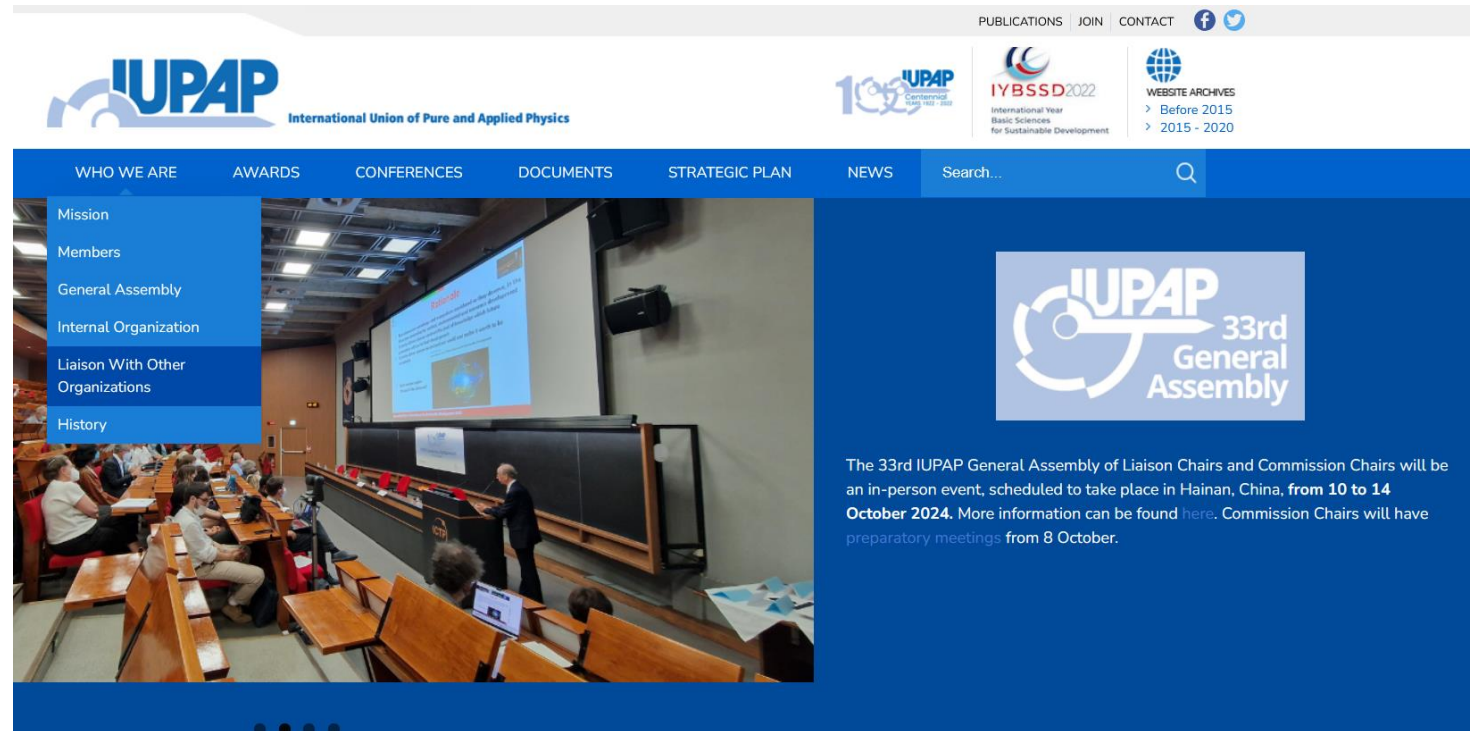
IUPAP C12 Early Career Scientist Prizes

2022	Carlo Bruno, Ronald Fernando Garcia Ruiz, Volodymyr Vovchenko.
2019	Or Hen, Chun Shen and Xiaofei Yang
2016	Andreas Ekstrom, Haozhao Liang and Kara Marie Lynch
2013	Rabia Burcu Cakirli, Stefano Gandolfi and Bjorn Peter Schenke
2010	Kenji Fukushima, Peter Mueller and Lijuan Ruan
2007	Rainer J. Fries, Yuri A. Litvinov and Kimiko Sekiguchi

<https://iupap.org/who-we-are/internal-organization/commissions/c12-commission-on-nuclear-physics/c12-awards/>

Thank You!
Merci!
hay č x^w q'ə!

- <https://iupap.org/>
- <https://iupap.org/who-we-are/internal-organization/commissions/c12-commission-on-nuclear-physics/>
- <https://iupap.org/who-we-are/internal-organization/working-groups/wg9-international-cooperation-in-nuclear-physics-icnp/>
- <https://wg9.triumf.ca>



The screenshot shows the IUPAP website interface. At the top right is the IUPAP logo and the text "International Union of Pure and Applied Physics". Below this is a navigation bar with links for PUBLICATIONS, JOIN, CONTACT, and social media icons. A secondary navigation bar includes "WHO WE ARE", "AWARDS", "CONFERENCES", "DOCUMENTS", "STRATEGIC PLAN", "NEWS", and a search bar. A dropdown menu under "WHO WE ARE" lists: Mission, Members, General Assembly, Internal Organization, Liaison With Other Organizations, and History. The main content area features a photograph of a conference room with a speaker at a podium and an audience. To the right of the photo is a news article titled "IUPAP 33rd General Assembly" with the following text: "The 33rd IUPAP General Assembly of Liaison Chairs and Commission Chairs will be an in-person event, scheduled to take place in Hainan, China, from 10 to 14 October 2024. More information can be found here. Commission Chairs will have preparatory meetings from 8 October."