

News from IUPAP WG16 Physics and Industry

A. Navin

Grand Accélérateur National d'Ions Lourds

Mission (possible) : Report (in 10-15 minutes) to us including your (my) opinion on this possible collaboration (AB,RT, ID)

Input FOR: will officially decide at our WG9 meeting if it is useful to continue to have an observer in WG16

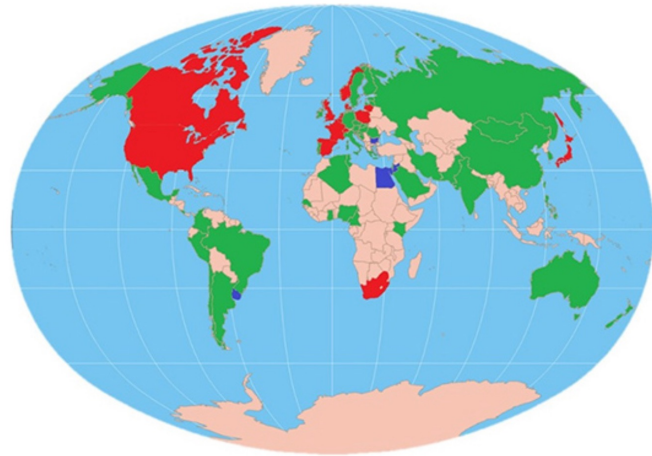
based on attending

online WG16 meeting 22.02. 2023

online WG16 meeting of 12. 04. 2023

Help of Chair Christophe Rossel (IBM Research-Zurich) *Next online WG16 meeting 09 June 2023*

Members IUPAP



- Founding Members
- Current Members
- New Members

- i) Territorial members*
- ii) Personal Members*

“**Corporate Associate Members**”. They are commercial companies or international research organizations that have a special relationship with the field of physics or scientific research. These members do not have voting rights but can participate in the General Assembly through their official Delegates and they pay membership dues (a number of due units that is negotiated with the Executive Council). They are entitled to make nominations for any position depending on the number of due units that they pay.



Excerpts of the new IUPAP bylaws

Art. 5. iii:

*"Corporate Associate Members" of IUPAP are commercial companies or international research organizations that have a special relationship with the field of physics or scientific research. **These members do not have voting rights but can participate in the General Assembly through their official Delegates and they pay membership dues (see Article 10 (A)). They are entitled to make nominations (see Article 10 (C)).***

Art. 9 B

*A Member's dues are defined by the membership category. The dues for each membership category are given as a multiple of **a unit**, the monetary value of which is determined by the General Assembly (today **2420 EUR/unit**)*



Working Group WG16 Physics and Industry

- **Established** in 2020 with 8 members from 6 countries, (29th GA, Brazil)
- **Mandate:** - Bring recommendations to 30th GA on how to foster international cooperation in physics amongst academia and industry.
- **Objectives:** - Deliver Summary Report with recommendations to IUPAP GA
 - Develop ways to acquire new **C**orporate **A**ssociate **M**embers (**CAMs**)
 - Co-organize Int. meetings, workshops, prizes with commissions and WGs
- **Actions:** - Identify Contact and convince Comercial companies (with connections to physics)

Bimonthly Regular meetings



Corporate Associate Members (CAMs) – rights and benefits

- CAMs are international or national research organizations and commercial companies
- CAMs can make nominations and hold positions in IUPAP
- IUPAP will connect CAMs with IUPAP members who represent key stakeholders, industry insiders, and decision makers to create partnerships to address societal grand challenges and other topics of interest to the CAMs
- CAMs will benefit from reduced participation fees at IUPAP conferences
- CAMs will be able to submit proposals to other CAMs to collaborate on R&D projects
- CAMs can sponsor prizes, awards, or focused initiatives in their field of interest, which will be publicized to all IUPAP members
- The IUPAP web site will link to the CAM's website for visibility of the CAM to all IUPAP members and IUPAP will also generate a careers web site where CAMs can post employment opportunities as well as career development guidance
- Among short-term opportunities for your organization/company, are participation with a joint event in the International *Year of Basic Sciences for Sustainable Development (IYBSSD 2022)* or in the *IUPAP Centenary celebrations* both in 2022-2023, with specific outreach during the opening and closing ceremonies

Status for CAMs

- **Status:**
 - new CAMs: CERN(Geneva, 1 unit) and Advance Laser Light Source (Varenes, CAN, 1 unit), JINR(Dubna), Park Systems (S . Korea), Synchrotron-Light for Experimental Science and Applications in the Middle East
 - Ongoing discussion with IBM research, PSI, ITER, ELI ERIC etc.
 - Search for additional WG16 members from Asia-Pacific and South America, etc.
 - new website specific for CAMs
- Dr. Stefano Spagna, **QUANTUM DESIGN**, San Diego. several emails 01.03.2023
- Dr. Giacomo Mariani & Philippe Barbarat/ Barbarat **L'OREAL**, Paris. Zoom meeting 06.03.2023
- Dr. Robert Modic, **COSYLAB**, Ljubljana, Slovenia. Zoom meeting 05.04.2023
- Sebastien Longelin CEO **SIGMAPHI**, Vannes (Morbihan) France, email 30.03.2023
- Mr. Fred Dermakar President and CEO **AECL** (Atomic Energy of Canada), Chalk River, Ontario Canada
- Mr. Bill Matiko COO, CFO **CANADIAN LIGHT SOURCE** Inc Saskatoon , Canada
- **Dr. Nigel Smith, Director, TRIUMF, Vancouver, Canada**
- **Prof. Ani Aprahamian, A.Alikhanyan National Science Laboratory Yerevan, Armenia**
- Dr. Ray O. Johnson **Technology Innovation Institute** Masdar City Abu Dhabi, United Arab Emirate
- Dr Stephane Lucas IBA 19.05.23
- *C20 (computational Physics) Suggested 8 new possibilities. Oil Industry*

WG16 members continue searching for new CAMs!

i/p's from WG9 ?

Members of Working Group 16
(8 countries) 9+2+2

Christophe Rossel (IBM Research-Zurich, Switzerland) (Chair)

Cyrus Walther (VP IAPS, Technical University of Dortmund, Germany) (Vice-chair)

Nisha Holla (Centre for Cellular and Molecular Platforms, India) (Secretary)

James Kneller (International Association of Physics Students)

K.S. Narayan (Jawaharlal Nehru Centre for Advanced Scientific Research, India)

Andranik H. Sarkissian, (PLASMIONIQUE Inc., Canada)

Pablo Garcia Tello (Spain-Belgium-CERN)

Nadia Thalmann (MIRALab, Switzerland)

Lawrence Woolf (General Atomics Aeronautical Systems, Inc., USA)

New

Barbora Bruant Gulejova CERN (the International Particle Physics Outreach Group)

Navin ALAHARI (GANIL, France)

Michel Spiro (IUPAP President, France) (ex-officio)

Jens Vigen (IUPAP Secretary-General, Switzerland) (ex-officio)

<https://iupap-corporate-associate-members.web.cern.ch/>



International Union of Pure and Applied Physics – Corporate Associate Members

Home

List of CAMs

Rights and benefits

Jobs in physics

Benefits of physics to society and the economy

Grand challenges

IUPAP Corporate Associate Members

The leadership of the [International Union of Pure and Applied Physics](#) (IUPAP) and the [IUPAP Working Group on Physics and Industry](#) welcomes commercial companies or international research organizations working outside academia to easily interact with and influence the world-wide community of physicists by joining the Union as Corporate Associate Members (CAM).

As IUPAP seeks to strengthen the links with and between physicists working outside academia, this new class or membership, CAM, was introduced at the [General Assembly held in 2021](#).

CAMs can create partnerships, sponsor [prizes](#) and initiatives, and can make the international physics community aware of employment opportunities as well as inform that community about their organization via IUPAP. CAMs can fully participate to the life of IUPAP.

CAM website and social media

Specific website for CAMs consisting of:

- *home page,*

- *updated list of CAMs,*

- *list of rights and benefits*

- *link to Jobs in Physics with resources for careers in industry and applied physics.*

- *free posting jobs openings in physics*

on the INSPIRE portal (high energy physics,

nuclear physics, accelerator physics and astrophysics, general physics)



IUPAP

account now operational with plans to feature resumes of particular interest to companies planning to hire physicists.

Summary

If WG9 is interested in increasing its connection with Industry then joining WG16 would be mutually beneficial

It is starting to build up, a good time to join and contribute

Dynamic members , regular minuted meetings every two months

*The chairperson of WG16
has contacted all chairs of the commissions and working groups.
Would be happy to come to the next meeting of WG9 for further discussions*

Mei-Yin Chou, C20 Chair

FYI International Year of Quantum Science and Technology IYQ 2025

