

IUPAP Centenary



Monica Pepe Altarelli, VP at large, Centenary EC&CC, Haikou, Hainan, 7-9 October 2024

Centenary Symposium

- 11–13 July 2022, @ICTP, Trieste
- ~250 physicists from 70 countries (in person and online)
- Core aims of the union discussed by various expert panels
- We welcomed Ukraine as new IUPAP member
- Great science (Bill Phillips: The modern metric system; Donna Strickland : Optics & laser physics; Takaaki Kajita : Neutrino Physics in the last 100 years ; three excellent talks by winners of IUPAP Early Career prizes
- Special talks on The Increasing Peril from Nuclear Arms: and how physicists can help reduce the threat (S.Prager from Physicists Coalition for Nuclear Threat Reduction) and on Climate change (T.Palmer)
- Three presentations on the IUPAP history



IUPAP100: Extensive media coverage

- Actions at local, national and international level
- ~130 press releases
- International coverage included Physics World, Physics Today, Nature Physics, CERN Courier...
- Italian coverage included Le Scienze, L'Espresso, Il Sole24ore and Wired
 - Nice article by Silvina Ponce Dawson and Gillian Butcher in the July issue of Le Scienze ("The obstacle race of female scientists" 8 pages, paper)



International coverage



[Interview with Michel on Physics World](#)



[Article by R.Lalli&J.Navarro on IUPAP History on Nature Reviews Physics](#)



[In depth article by Toni Feder on Physics Today](#)



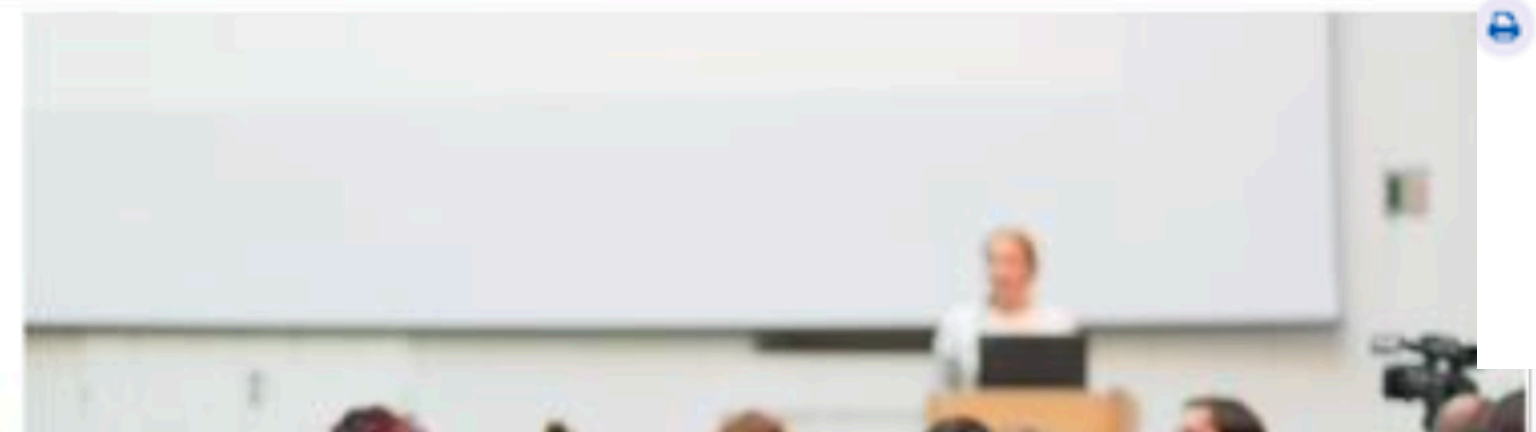
Editorial

[Editorial on Nature Physics](#)



Societies united

Physics societies have a long and illustrious history. Now, a world-wide union of societies celebrates its 100th birthday with a centennial conference.



CULTURE AND HISTORY | SYMPOSIUM
IUPAP Centenary
11–13 July 2022 | Trieste, Italy
Website: <https://indico.ictp.it/event/9874/overview>
Venue: ICTP
Organizer: ICTP
E-mail: iupap100@iupap.org



Attendees of IUPAP's centennial symposium gathered at the Abdus Salam International Centre for Theoretical Physics in Trieste, Italy. Credit: IUPAP

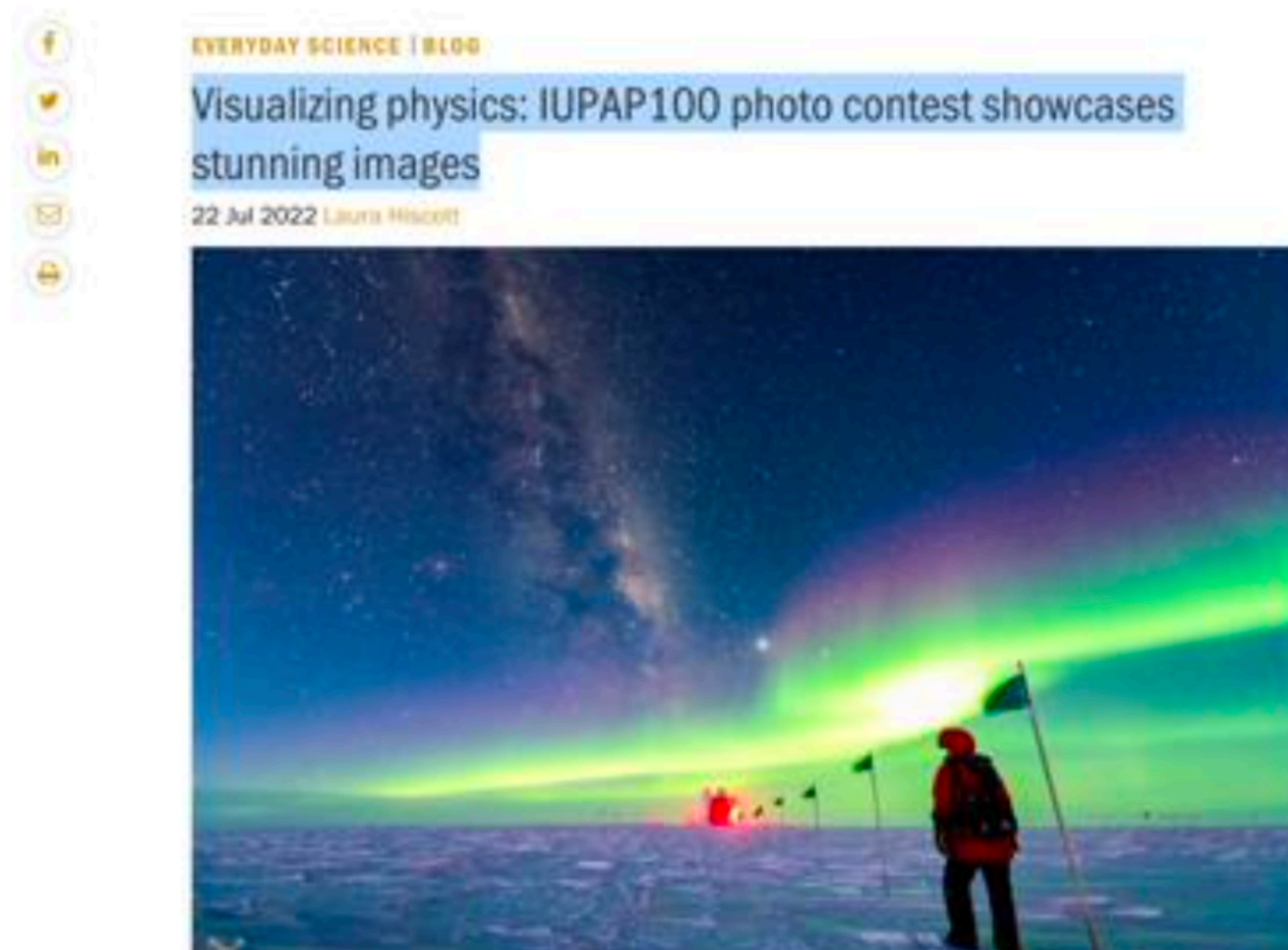
The International Union of Pure and Applied Physics (IUPAP, <https://>

Photo context



[Article on physics world](#)

Chasing Ghost Particle at the South Pole” by Yuya Makino



Videos

- Two videos produced by CERN Audiovisual Production Service
<https://videos.cern.ch/record/2297570>:
 - A short video (~1 min)
 - A longer video with interviews (~7 min)

Satellite events

- Many regional and national events associate to the IUPAP's centenary celebrations, eg, in Asia, Latin America etc, see <https://iupap.org/centennial/satellite-events/>

- [Celebración 60° Aniversario del Centro Latinoamericano de Física en conjunto con la conmemoración del Centenario de la International Union of Pure and Applied Physics \(IUPAP\)](#) Rio de Janeiro, 7, 8 y 9 de noviembre de 2022.
- [“One hundred years of the IUPAP. A workshop”](#), 20-22 October 2022.
- [“IUPAP Centenary celebration: The Braggs' Legacy”](#) on 3 October 2022
- [“Physics for Sustainable Development”](#) on 19 September 2022.
- [“Annual Physics Conference of Iran”](#) during 5-8 September 2022.
- [“Trends in MAGnetism 2022”](#) during 4-9 September 2022.
- [“International Joint Symposium of Women in Science and Technology”](#) organized by the Physical Society of Taiwan – TPS, Academia Sinica, and the National Taiwan University – NTU. The Symposium aims to provide a dynamic international venue for participants to share their professional achievements and discuss the progress of promoting women's involvement in physics. October 29-30, 2022.
- [“XXXVIII Biennial of Physics of the Spanish Royal Physics Society”](#) during 11-15 July 2022.
- [“7th National Conference on Superconductivity and Magnetism Advances”](#) during 6-7 July 2022.
- [“Regional e-Conference on Physics”](#) organised by the Pakistan Physical Society under the auspices of the IUPAP during 18-21 January 2022.
- [“100 Years of Physics in Africa”](#), organised by the African Physics Community in celebration of the IUPAP Centenary. The project plans to share stories that celebrate and communicate the immense contributions that physics education and research have made to Africa's development.

Dedicated session at 2023



- IUPAP@100 : International Science in Changing Societal and Geopolitical Landscapes - Sponsored by Forum on International Physics (FIP)
 - 100 years of existence of the International Union of Pure and Applied Physics, IUPAP (Monica Pepe Altarelli)
 - Nicholson Award Winner: Challenges and Opportunities in Physics Education for the 21st Century (Chandralekha Singh)
 - IUPAP and the Changing Landscape of Science Diplomacy (Laura Greene)
 - Increasing Perils from Nuclear Arms: How Physicists Can Help Reduce the Threat (Stewart Prager)
 - John Wheatley Award Winner: A Portrait of Physics in Africa as Painted by the African Physics Newsletter (James E. Gubernatis)

IUPAP 100 History Project

- Digitization of all IUPAP archives (one year of work - very fruitful collaboration with R.Lalli)

1. 69 volumes at IUPAP Gothenburg Secretariat, Royal Swedish Academy of Sciences, Stockholm
2. 74 folders at IUPAP sub-series of the Larkin Kerwin Fonds at the University of Laval
3. Six volumes at IUPAP Quebec Secretariat, Center for the History of Science, Royal Swedish Academy of Sciences, Stockholm
4. Three volumes at IUPAP, Transferrmium, Center for the History of Science, Royal Swedish Academy of Sciences, Stockholm
5. Numerous boxes of the Amaldi, Persico, Salvini and Cabibbo Collections, Archives of physics department, University Sapienza, Rome
6. Various folders of the Weisskopf Collection, MIT Archives
7. Various boxes of the Millikan Collection, Caltech Archives

IUPAP 100 History Project

- Many international researchers involved in the study of this historical material - coordinated by R.Lalli & J.Navarro
- Workshop in San Sebastian/Donostia, Spain in Oct. 2022
- Research compiled in a book: “*Globalizing Physics: One Hundred Years of the International Union of Pure and Applied Physics*”, editors Lalli & Navarro, from the Affiliated Commission on the History and Philosophy of Physics
- **Book is published** in open access by Oxford University Press, Roberto will talk about it.