

THE FINNISH PHYSICAL SOCIETY
SUOMEN FYSIKKOSEURA
FINLANDS FYSIKERFÖRENING R.Y.

FPS Newsletter #3

14.12.2021

The FPS Newsletter collects recent news from the FPS and its activities. We also welcome relevant news items, such as physics-related events in Finland, or recent research highlights.

News from FPS

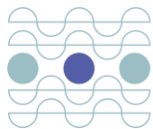
- [Physics Days](#) 2022 will be organised under theme *“Future leaders”* by the Finnish Physical Society and the Department of Applied Physics at Aalto University **2-4 March 2022**. It will be an ONLINE CONFERENCE to minimize uncertainties associated with COVID-19. The deadline to [submit abstracts](#) is 14th January.
- [FPS Master’s Thesis Prize 2021](#): Send your nominations by 10th January 2022 using [this e-form](#).
- [FPS autumn grant call](#) funded two applications. The next call will be in spring 2022.

Outreach and events by FPS

- [Molecular Clusters – Of Dance and Science](#) at Night of Science (Tieteiden Yö) 20th January 2022 at 17:00 (Tieteiden talon väistötila, Runeberginkatu 14-16, A310, 3rd floor, Helsinki).
- [Nobel Prize in Physics 2021](#) was awarded "for ground-breaking contributions to our understanding of complex systems", with one half jointly to **Syukuro Manabe** and **Klaus Hasselmann** "for the physical modelling of Earth's climate, quantifying variability and reliably predicting global warming", and the other half to **Giorgio Parisi** "for the discovery of the interplay of disorder and fluctuations in physical systems from atomic to planetary scales." FPS has invited the laureates for a visit in Helsinki in 2022, or alternatively for a virtual colloquium. The current COVID-19 situation is challenging and no visit confirmations have been made yet.

News from the European Physical Society (EPS)

- [Proposals for EPS Historic Site in Finland](#): The [Sodankylä Geophysical Observatory](#) (SGO) was proposed as an EPS historic site in Finland by the FPS members. The call was open until the end of October. The FPS board endorsed the proposal. SGO has been operated in the Sodankylä Space Campus in Tähtelä since 1913. Some measurements were performed already during the First International Polar Year (1882–1883) in Sodankylä. The Observatory was originally founded by the Finnish Academy of Science and Letters, and it takes care of a wide range of national and international duties. It is located in the auroral oval 120 km north from the Arctic circle. When the observatory was established, it was the first and only observatory north from the Arctic circle. Today SGO provides the world’s leading monitoring of the Arctic based on its own observations and instruments. SGO is ideal for an EPS historic site in Finland. It has a long history, has pioneered geophysical studies north from the Arctic Circle, and with its northern distinctive research site represents frontier research in Finnish physics. The next step is to proceed with the proposal and submit it to EPS.
- [e-EPS November issue](#) has been published
- [Lise Meitner Prize](#) nominations by 28th February
- [European Solar Physics Division 2022 PhD Thesis and Early Career Researcher Prizes](#). Deadline for nominations: 6th February 2022.



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Europhysics News

- [Europhysics News 52/5](#): Research for the Energy Transition (18th Nov 2021)

News from IUPAP

- [30th General Assembly of IUPAP](#) took place 20-22 Oct 2021 as an online meeting. The chair of the FPS participated in the meeting. The revised Statutes and Bylaws of IUPAP were accepted in the meeting. This was required to make the IUPAP a legal entity, i.e. a new, international IUPAP association located in Geneva and working under Swiss law. Previously, IUPAP has not been a legal entity but circulated around the world without any permanent location. The IUPAP administrative office will move from Singapore to Trieste.
- Three members from Finland were selected to the IUPAP Commissions for the next three-year period 2021–2024:
C2 Symbols, Units, Nomenclature, Atomic Masses & Fundamental Constants: Erkki Ikonen
C4 Astroparticle Physics: Ilya Usoskin
C5 Low Temperature Physics: Mika Sillanpää
- IUPAP will celebrate its centenary in 2022 and organise a symposium in Trieste, Italy, 11-13 July 2022. A General Assembly meeting will be organised in connection with this on 14th July.
- [The International Year of Basic Sciences for Sustainable Development proclaimed by the United Nations General Assembly for 2022](#). The vote is the result of the mobilization of the international scientific community, led since 2017 by the IUPAP, CERN, and 26 other international scientific unions and research organizations from different parts of the world, under the auspices of UNESCO. IYBSSD2022 will be officially inaugurated with an opening conference 30 June - 1 July 2022 at UNESCO headquarters in Paris.

Arkhimedes

- [Arkhimedes](#) is a journal established in 1948 and jointly published by the FPS, Finnish Mathematical Society and Fysikersamfundet i Finland. In February 2020, it was decided that Arkhimedes will be sent as a pdf to the members. The paper version had to be specifically requested. Since August 2020, there has been no paid, full-time secretary working for FPS and Arkhimedes. This has caused challenges in the operation of Arkhimedes because it has not been clear who has the rights to run Arkhimedes tasks as it is a joint organisation of three societies, with its own Arkhimedes delegation committee and editorial board. Arkhimedes clearly needs renewal and there are plans how to do it. In the future, the journal will be published online using the open [TSV journal.fi platform](#) for Finnish scholarly journals. The electronic format will be the default and freely available, thus supporting Open Science principles. A possibility for printing and mailing a limited number of paper versions is still under consideration. The aim is to get rid of the complex organisation behind Arkhimedes and focus on producing the contents for the journal together with the two other societies. The remaining minor financial tasks would be operated via FPS. We aim to get the new Arkhimedes running in 2022.

*** If you want your news to appear in the FPS Newsletter, please email toimisto@fysikkoseura.fi
Finnish Physical Society is also on [Twitter](#) and [Facebook](#)