

The Finnish Physical Society

Action plan summary (starting from 3.3.2022)

Members

In the upcoming term FPS aims to attract new members. The membership fees of regular, senior and fellow members will be reduced. New Supporting Members will be actively searched.

Activities in Finland

Meetings and events

Physics Days 2022

Physics Days 2022 “Future Leaders” will be organised as an online meeting by the Aalto University 2.-4.3.2022 (<https://physicsdays2022.aalto.fi/>). The chair of the organizing committee is Andrea Sand and Patrick Rinke is the chair of the programme committee.

Physics Days 2023

Physics Days 2023 will be organised by Tampere University. Due to COVID-19, the format of the meeting is still open, but the aim is to organise Physics Days in Tampere. The co-chairs of the organizing committee are Regina Gumenyuk and Miikka Dal Maso. The scientific committee is chaired by Laetitia Petit and Marco Ornigotti.

Finnish Physical Society 75 years in 2022

The Finnish Physical Society celebrates its 75 years in 2022. FPS will publish a blog series covering different fields of research in physics in Finland. In the first half of each post we will go through the history of research in a specific field to the current status and the future prospects. Areas of research, where a national collaborative network exists, the network will be highlighted. The purpose of the blog is to promote the future research prospects in the given field. Placing them in relation to the society when possible is a given advantage. In addition, we are considering the possibility of recording the interview and creating a small series of videos that we can share on our website (and a possible YouTube channel). Last but not least, for the FPS anniversary and given the covid situation at the end of summer, an in-person event is planned with a few small presentations focusing on the future of research in Finland and a standing dinner in autumn.

European Physical Society (EPS) Historic Site

The board of the Finnish Physical Society has proposed Sodankylä Geophysical Observatory to be the first EPS Historic Site in Finland. If the proposal is accepted by the EPS, an inaugural ceremony will be arranged in Sodankylä. Some funding has been reserved for purchasing the EPS Historic Site plate, organisation of the event, and related travelling.

Nobel lectures

In 2021, Syukuro Manabe, Klaus Hasselmann, and Giorgio Parisi were awarded the Nobel prize in physics. FPS has sent invitation to visit Finland in 2022 to all laureates and funding for the visits has been applied for from the Finnish Academy of Science and Letters and the Finnish

Society of Sciences and Letters. Due to the worsening pandemic situation, the visits to Helsinki seem very unlikely at the moment. A virtual event is under consideration.

Greatest Physicists lecture series

FPS organises together with the Aalto University alumni “Greatest Physicists in History” - lecture series. The series will be continued in 2022.

Night of Science

The Night of Science was organised fully online 20th January 2022. The contribution from the FPS was “Molecular Clusters – Of Dance and Science”. FPS will contribute also to the next Night of Science but the format of the event and hence the program is still open.

Finnish Young Minds (FYM)

Finnish Young Minds (FYM) is the Finnish edition of the EPS Young Minds. FYM organised a webinar series “Physics Smoothies” in autumn 2021 and they are planning a new webinar series for 2022. FYM has also created a Discord channel that targets fresh physicists.

Diversity of Physics, Finland (FinDiP)

FinDiP will continue to strive to involve a diverse range of people in its organisation, to better reflect the many kinds of people who do physics. It will also continue to bring together wellbeing groups and other bodies working in physics across Finland. The current chair is David Weir.

Grants and prizes

Finnish Physical Society’s MSc Thesis Prize

The Finnish Physical Society will give an annual award for the best MSc thesis in physics in Finland. The tradition will continue in 2022. The purpose of this prize is to support early career researchers and acknowledge them for their exceptional work. The award ceremony will take place at Physics Days 2023. The prize is 1000 EUR and includes a one-year free membership of FPS. It can also be split if considered necessary. The board of FPS acts as the evaluation panel for the theses.

Best talk and poster prizes at Physics Days

The Finnish Physical Society will give prizes for two best posters and two best oral presentations during Physics Days.

Grants and support for local activities

The Finnish Physical Society sponsors small grants to advance public awareness in physics and support local activities. The call is opened if the budget allows. Two grant calls are planned for 2022.

Media

Arkhimedes

FPS publishes Arkhimedes together with the Finnish Mathematical Society and Fysikersamfundet i Finland. In 2021, Arkhimedes moved onto a new platform at <https://journal.fi/arkhimedes> where it can be read freely. Due to the free electronic format,

discussions have been initiated with the three societies to minimize bureaucracy built around Arkhimeses as "elinkeinoyhtymä" will continue in 2022.

FPS Newsletter

In 2021, FPS started to collect recent news and activities of the FPS into an FPS Newsletter sent to the members via email and also published at <https://www.fyysikkoseura.fi/language/en/fps-newsletter/>. New FPS Newsletters will be published in 2022.

Europhysics News

Europhysics News (<https://www.europhysicsnews.org/>) is the magazine of the European physics community. It is owned by the European Physical Society (EPS) and produced in cooperation with EDP Sciences. It is distributed to all EPS Individual Members and many institutional subscribers. The total readership is currently about 54 000 per issue. Europhysics News is delivered electronically to the FPS members.

EPL (Europhysics Letters)

EPL is published under the scientific policy and control of the European Physical Society by EDP Sciences, IOP Publishing and Società Italiana di Fisica for a partnership of 17 European physical societies (the EPL Association). FPS is a member of the EPL Association.

Social media and webpages

The FPS web pages are at www.fyysikkoseura.fi and email of the society is toimisto@fyysikkoseura.fi. The society is also on Facebook, join in at www.facebook.com by searching group "Suomen Fyysikkoseura". FPS is also on Twitter (<https://twitter.com/Fyysikkoseura>) where most of the news items are tweeted.

International activities

European Physical Society

FPS has actively participated in the activities of the European Physical Society (EPS) and its Council, Divisions, Groups and Committees. The Chair will represent the society in the extraordinary EPS Council meeting 26th January 2022.

EPS joins forces with its 42 Member Societies, 18 Divisions and Groups and 40 Associate Members and will organise the first edition of the EPS FORUM that will take place on-site at Sorbonne University, Paris, between the 2nd and 4th of June 2022. EPS FORUM will include a series of conferences, round tables and workshops. The EPS Council meeting will take place on the third day of EPS FORUM, 4th June 2022.

Action plan for the Finnish National Committee of IUPAP for the period starting 3.3.2022

The Finnish National Committee of the International Union of Pure and Applied Physics (IUPAP) will continue its work related to the IUPAP and its commissions. It serves as an important link between the IUPAP and national physics societies, universities and institutes. The national committee promotes activities related to physics research, education, and outreach. It also fills in surveys and provides information on national activities to IUPAP. The national committee maintains good contacts with other international physics associations and organizations via IUPAP. The Finnish National Committee of IUPAP holds its meetings at least once a year. Since the committee comprises of the board of the Finnish Physical Society, the meetings are held in connection with the FPS board meetings. The national committee meetings cover various topics, such as connections to IUPAP and preparations and participation in IUPAP meetings and IUPAP-related outreach work and other activities. IUPAP has commissions and working groups on various topics and physics areas. The General Assembly takes place every third year but starting from 2022 the assemblies are expected to be annual. IUPAP supports prizes and conferences in physics and releases publications.

The IUPAP commission members from Finland elected for the period 2021-2024 are: C2 Commission on Symbols, Units, Nomenclature, Atomic Masses & Fundamental Constants, Erkki Ikonen (member), C4 Commission on Astroparticle Physics, Ilya Usoskin (member), ja C5 Commission on Low Temperature Physics, Mika Sillanpää (member).

IUPAP was founded in 1922 and it celebrates its centenary in 2022. The IUPAP organises "[IUPAP 100 PHOTO CONTEST](#)", a contest to celebrate the beauty of physics and the fun of its practice on the occasion of the centenary. The deadline for submissions is 14th April 2022. The winners will be publicly announced 27 June 2022.



The Finnish National Committee of IUPAP will organise a national photo competition to celebrate the centenary and in particular physics research done in Finland. We also accept images of simulations and other drawings highlighting physics research in Finland. The competition deadline will be 31st August 2022. The winners will be announced in the FPS 75th Anniversary event in October 2022 (date to be announced).

IUPAP will organize a centenary symposium in Trieste, Italy, 11.-13.7.2022. The General Assembly of IUPAP will take place in connection with the meeting in Trieste 14.7.2022. The subsidies given for the National Committee will be used to send a representative from Finland to Trieste and for the travel expenses of the commission members.