

1. Overview

Frontiers of Physics is an annual conference for teachers of physics run by the Institute of Physics. It takes place on a Saturday in September and usually, close to 100 teachers attend Frontiers from all parts of Ireland. Frontiers of Physics offers a blend of lectures, workshops, exhibitors, and networking opportunities. Paul Nugent designed and delivered Frontiers most years since the first event in 2001. At this Hub he recollected some of the highlights from and shared links to an archive of over 70 videos of lectures and workshops from past Frontiers conferences.

2. Paul Nugent presentation on past Frontiers of Physics

Paul gave an overview of the venues and themes of past Frontiers conferences. He showed a snapshot of many keynote lectures and popular workshops. Paul played some short video clips of David Hughes (2009) lecture on telescopes, Eleanor Nolan's (2015) workshop on "black boxes" and Gorazd Planinsic (2019) lecture on "Active Learning".

The full collection of over 70 Frontiers videos may be viewed at

<https://www.youtube.com/@PhysicsIreland>

Paul has produced a spreadsheet containing a more detailed "playlist" that will be circulated to attendees of this Hub.

3. The programme for Frontiers of Physics 2024

Frontiers of Physics 2024 will take place on Saturday 21 September in the Institute of Physics, 35 Westland Row, Dublin 2. Eircode D02 XY04. The conference begins at 0900 and ends at 1430. Registration and programme details are available at:

<https://iop.eventsair.com/fop2024/registration>

The keynote lecture will be given by Prof Kate Maguire, Trinity College Dublin entitled: "**Extreme explosions and catastrophic collisions**"

Attendees will have a choice of four workshops and access to exhibitors and networking opportunities.

Registration for Frontiers 2024 is €15 (and this includes lunch and access to the online conference).

Frontiers online (provisional programme):

Tues 17 September

1800 – 1845 **Beans!** Sue Woolhouse & Eleanor Wylie (IOP)

1900 – 1945 **A taste of Wales** IOP Wales Coaches

Wed 18 September

1800 – 1845 **SENSE_STEAM project** Sasha Brown, Western Norway University (Sci)

Thurs 19 September

1800 – 1845 **Maths Anxiety** Dr Flavia Santos UCD

1900 – 1945 **IOP Physics Hub** Theme: New LC Physics Specification