

# IOP

**IOP** Publishing | science first

Helen Ellis

USTLG

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# Institute of Physics

For physics | For physicists | For all

The object of the Institute is to promote the advancement and dissemination of a knowledge of and education in the science of physics, pure and applied, for the benefit of the public and the members of the Institute.



EDUCATION →  
Make access to  
high-quality  
physics education  
open to all

Charles Tracy,  
Head of Education

# Education

**Everyone will have the opportunity to study Physics and those that do will have access to high-quality education and well-informed choices about future careers**

- Increase the proportion of 16-19 year olds studying physics
- ...and, within that, increase the proportion of girls
- Manage the IOP Initial Teacher training Scholarships on behalf of the Dept for Education, 128 scholarships were awarded in 2016.
- Pilots in England and Scotland to look at improving gender balance – produced a framework for a gender equity mark and have begun rolling this out to schools across the UK
- Working to develop a community-led, evidence-informed curriculum and assessment framework



ECONOMY →  
Position UK and Irish  
businesses to actively  
exploit new physics-  
based research

Anne Crean,  
Head of Science and Innovation

# Economy

Physics will be recognised for the **contribution it makes to the economy**, and businesses will have access to a **highly qualified and skilled workforce** and, whether large or small, have an understanding of how they can actively **exploit new and emerging physics-based research**

- Enable businesses to increase their information exchange by providing a link between businesses and the research base
- Ensure that government has relevant and focussed evidence on the value of physics
- Ensure that schools and universities have the resources to showcase the benefits that studying physics offers for future careers



SOCIETY →  
Showcase the value  
of physics to engage  
people across the  
UK and Ireland

Johanna Kieniewicz, Head of Outreach and  
Engagement

# Society

Work to **participate and widen the enjoyment of physics**, and to raise the appreciation of the important **role that physics plays in our culture and society**.

- Establish respected and trusted advocacy groups
- Increase participation in outreach activities, with a greater focus on building science capital and in showcasing the value of physics to society





COMMUNITY →  
Increase  
member  
participation in  
our programme  
of activities

Stephanie Richardson,  
Head of Membership

# Community

Membership will be **engaged and inspired** by what we do and we will be an organisation that people want to **join and collaborate** with

- Increase number of members
- Increase early career and teacher memberships



Anne Crean,  
Head of Science and Innovation

DISCOVERY →  
Strengthen our  
core discipline  
while breaking  
traditional  
boundaries

# Discovery

We will recognise **excellence in research**; we will support physicists particularly those in their **early-career**, to help them achieve their full potential, and we will have a world class reputation for our work in **publishing research**. We will work to strengthen our core discipline and **promote the international nature of physics** and we will encourage and support those who look to **collaborate with others across traditional boundaries**.

- Support and champion careers for physicists
- Deliver a programme that is strongly focussed on developing the core discipline, and that involved collaborations across discipline boundaries and in new emerging areas of discovery
- Deliver a broad ranging programme of journals, books, magazines and conference proceedings that provides outstanding service to authors and readers

# IOP Publishing

- Institute of Physics “...a world class reputation for our work in **publishing research**”
- IOP Publishing – wholly owned subsidiary of the Institute of Physics
- Combine the culture of a learned society with global reach and highly efficient publishing systems and processes
- Offices in the UK, US, China and Japan, and staff in Poland, Sydney, Chennai and elsewhere
- Journals, ebooks, magazines, conference proceedings and websites for the scientific community



## What else?

- Provide funding to the Institute in the form of Gift Aid
- IOP Publishing Academy: researcher workshops and e-learning resources
- Free or low-cost access to our journals in developing and low-income countries through the EIFL, INASP and Research4Life programmes
- Increase recognition and impact for authors, referees and librarians
- Broad-based support for scientific communities (sponsorship of prizes, workshops and conferences)
- Community websites...
- Partner publishing and supporting other societies...

# Community Websites

- Relaunching as 'science news sites' Autumn 2017
- Under the Physics World brand
  - Materials
  - Biosciences
  - Others to come...
- Under the IOP Publishing brand
  - IOP China
  - IOP Japan
  - IOP Latin America
- All provided free of charge as a community offering
- A trusted source in a world of increasing fake news





# physicsworld Discovery

[Contact us](#)

Introducing Physics World Discovery – a new resource for the physics community from *Physics World* magazine, providing you with insights and opinions on the latest hot topics in physics.

## About the collection

Launched in 2017 as a pilot from IOP Publishing, Physics World Discovery texts, written by leading voices from across the scientific community, provide readers with an expert introduction to the hottest topics in physics, spanning established and emerging research disciplines.

From the dark universe to quantitative finance, from antimatter to proton-beam therapy, Physics World Discovery will be the perfect springboard for getting you up to speed with the latest developments in physics.

Quantitative  
Finance

Proton Beam  
Therapy

<http://iopscience.iop.org/bookListInfo/physicsworld-discovery>

<http://iopscience.iop.org/bookListInfo/MARC-records>

# OA

- 7 fully OA journals
- 3 OA conference series
- SCOAP3 partners
- Long term arXiv collaborators
- Offsetting agreements in Austria, UK, Norway and Sweden
- Members of Access to Research

Thank you!

[Helen.ellis@iop.org](mailto:Helen.ellis@iop.org)