

ACTIVITY REPORT 2013

presented to EPS Council, 4-5 April 2014



European Physical Society

more than ideas

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CONTENTS

01	introduction from the President	08	Secretariat
02	Executive Committee Activities	09	EPS Committees
03	Highlights from 2013	12	Publications
07	Financial Report 2013	14	EPS Divisions and Groups



John Dudley, EPS President

INTRODUCTION FROM THE PRESIDENT

It is a privilege to introduce this 2013 Activity Report in which the many and varied actions of EPS over the last year are presented.

The foundations laid by my predecessors in preparing and implementing the EPS Strategy Plan 2010+ have placed us in a wonderful position to cement our place as a society that can both support European physicists in their careers, as well as effectively influence and initiate high-level actions on the international stage.

This becomes apparent when reviewing the many different EPS activities since the last Council. EPS has continued its leading role in organizing some of the world's premier conferences in physics, and the list of different meetings in 2013 (described later in this report) is extremely impressive. **EPS has complemented its conference organization during 2013 through high-level Roundtables on specific areas of interest, and 2013 saw discussions take place on the Transition to Open Access, the International Year of Light, and International Strategic Planning, and Challenges in Education and Outreach at Large Research Facilities.** Other actions that have attracted very

broad support and interest in the community include the Emmy Noether Distinction for Women in Physics, and of course the highly successful EPS Historic Sites programme which inaugurated 10 new sites in 8 countries since the last Council.

On the strategic level, EPS has worked hard to promote the report on the Importance of Physics to the Economies of Europe. There have been thousands of internet downloads of the report from around the world, EPS has distributed hardcopies to many different organizations, and EPS Executive Committee members have delivered personal presentations to key leadership within the European Commission, at the OECD Global Forum on the Knowledge Economy, at CERN Council and at the American Physical Society March Meeting 2014.

The influence of initiatives driven by a regional scientific body such as EPS has also been apparent during presentations of the International Year of Light 2015 at UNESCO in Paris and at the UN General Assembly in New York during 2013. The International Year of Light resolution was formally proclaimed at the UN General Assembly in December

2013, and as we work through 2014 and look forward to 2015, there are many opportunities to push home the message of the importance of basic research to address challenges in energy, sustainability healthcare and improved quality of life.

The convening power of EPS is at the service of all its members, and we have seen several examples during 2013 of how bottom-up proposals by EPS members have led to very successful initiatives: the Inspiring Science Education European project has starting running in April 2013, and a project led by the Committee on European Integration in collaboration with UNESCO, SEENET-MTP and ICTP has received funding to run meetings in preparation of Horizon 2020 proposals. I can only encourage all EPS Members to consider the added value that EPS can bring to your own activities and not to hesitate to make suggestions.

In closing this brief introduction to our year's report, I would of course like to thank the EPS Executive Committee, the Secretary General and all the Secretariat staff for their help and support over the last 12 months. I look forward to another exciting year ahead! ■

Martina Knoop, Honorary Secretary, Executive Committee

EXECUTIVE COMMITTEE ACTIVITIES

The Executive Committee regularly meets face to face to discuss EPS activities, programmes and projects. Executive summaries of regular Executive Committee meetings are published on the EPS-website (available to Individual Members only) and systematically highlighted in the e-EPS newsletter. Activities of Executive Committee members are now reported monthly in the e-EPS newsletter.

Since council 2013, the Executive Committee has met three times: on 8 June 2013 at the EPS secretariat in Mulhouse (FR), on 26-27 October in Budapest (HU) in conjunction with the 3rd European Energy Conference and EPS General Meeting, and at the IOP premises in London, (UK) on 30 January 2014.

In addition to the full meetings, the officers of the Executive Committee

(Secretary, Treasurer) meet with the Secretary General twice per year to assess staff evolution and other issues. These meetings (in 2013: September and December) held at the **EPS Secretariat** also provide the opportunity to discuss on-going activities and provide timely input.

During 2013, two major items have been predominant in the Executive Committee discussions: EPS publications and the preparation of a supplementary secretariat in Brussels.

2013 has seen the appointment of two new Editors-in-chief (EiC) for **EPS' publications**: EPL and Europhysics News. The new EiC of EPL, Giorgio Benedek, presented a draft Action Plan to increase the visibility of the journal. A more dynamic response of the journal to its readership could eventually be facilitated by a change in the journal's

editorial decision tree and discussions about a structural change are on-going.

After a mandate of 8 years, The EiC of Europhysics News, Claude Sebenne, retired at the end of 2013. The appointment of the new EiC, Victor R. Velasco, has presented the Executive Committee with the opportunity to revise the long-term strategy of the magazine. Various options are still being discussed, one of them being a transition to an electronic-access only magazine.

Regarding the installation of a **supplementary EPS secretariat in Brussels**, a location has been found in an area where many major European research actors and organisations are located. The choice of human resources and representation as a function of the available budget is a more critical aspect, and many options are being explored, with much progress being made. The financial plan may

MEMBER	CONTACT FOR DIVISIONS AND GROUPS	CONTACT FOR MEMBER SOCIETIES
Caterina Biscari	- Accelerator Group	Italy, Georgia, Russia
Luisa Cifarelli <i>Vice-President</i>	- Technology and Innovation Group - Division of Physics in Life Sciences	
Els De Wolf	- Statistical & Nonlinear Physics Division - Computational Physics Group	Belgium, Netherlands, Luxemburg
Goran Djordjevic	- Physics for Development Group	Bulgaria, Romania, Moldavia, Macedonia, Serbia, Croatia, Albania, Slovenia, Montenegro
John Dudley <i>President</i>		
Zsolt Fülöp	- Nuclear Physics Division - History of Physics Group	Hungary, Czech Republic, Slovakia
Carlos Hidalgo	- Plasma Physics Division	Spain and Portugal
James Hough	- Environmental Physics Division	UK and Ireland
Martina Knoop <i>Secretary</i>	- Quantum Electronics & Optics Division - Experimental Physics Control Systems Group	France, Nordic countries
Colin Latimer <i>Treasurer</i>	- Atomic Molecular and Optics Division	Latvia, Lithuania, Estonia
Jonathan Lister	- Energy Group - Condensed Matter Division	Austria, Switzerland, Liechtenstein
Thomas Müller	- High Energy Particle Physics Division	Germany, Poland, Ukraine
Sophocles Sotiriou	- Physics Education Division - European Solar Physics Division	Greece, Turkey, Armenia, Israel

require investing a portion of EPS' reserves in order to allow the supplementary secretariat to begin running during 2014, and to evaluate and reallocate resources in the medium-term. Different job descriptions with corresponding budgetary solutions are under consideration. The input of member Societies and Divisions and Groups into both the viability and the work plan of the supplementary secretariat is essential. As a result of the strategy review process in 2011, a Strategy Review Group will be appointed in Sept 2014 to report to council 2016. Among the tasks of this review group will also be the evaluation of the success of a Brussels representation.

The Executive Committee is involved in the preparation of statements and position papers. A longer discussion was devoted to various **EPS statements** and the general EPS policy on issuing them.

Discussion items were the Karlsruhe Physics course, a European initiative on education, the position on reforms being made internationally regarding the Canadian NRC and the Russian Academy of Sciences, and the multi-society statement as follow-up of the Learned Societies Round Table on Open Access organised during the last EPS council.

The Executive Committee has also made the proposal for **two additional prizes**: last-year's revision of the grant scheme has allowed to re-orient some financial resources. The creation of a (prestigious) early career award will fill this budget line. The Executive Committee also proposed to the Physics Education Division to install a Physics Teaching award, which will be given every other year, alternating with the award of the PED, dedicated to research in physics education.

In an on-going process, the Executive Committee regularly examines EPS structures in an effort to improve communication and efficiency. After the beginning of the review of the Action Committee structure in 2012, the modified procedure is almost finalized. Most of the committees now have written terms of reference, a renewed panel of members with a fixed 3-year mandate (renewable once). Discussions are still on-going about the eventual creation of a **Political Affairs Committee**, and a **Communications Committee**.

Every Executive Committee member is the direct contact person for a very small number of Member Societies. The same principle has been introduced to install **privileged contacts** with the Divisions and Groups, shown in the table.

HIGHLIGHTS FROM 2013

INTERNATIONAL YEAR OF LIGHT 2015



INTERNATIONAL YEAR OF LIGHT 2015

The International Year of Light is a global initiative that will highlight to the citizens of the world the importance of light and optical technologies in their lives, for their futures, and for the development of society.

Since 2009, the EPS has been spearheading the initiative to declare 2015 as the International Year of Light. These efforts were rewarded, first by a resolution welcoming and endorsing

an International Year of Light in 2015 adopted by the UNESCO Executive Board in October 2012. With this support, the UNESCO General Conference in November 2013 confirmed support for a formal resolution before the United Nations General Assembly, and the formal adoption of 2015 as the International Year of Light and Light Based Technologies (IYL2015) was made during a General Assembly Plenary meeting on 20 December 2013.

The International Year of Light was co-sponsored by more than 35 countries in both UNESCO and the UN. In addition to international sponsorship from countries around the world, the international scientific community brings grassroots support to IYL2015 through more than 100 societies and unions in over

85 countries. This impressive number of co-sponsoring nations and institutions reflects the truly international and inclusive nature of the theme of an International Year of Light.

The Proclamation of an International Year of Light by the United Nations has provided the EPS and its Member Societies, and well as international partners an unprecedented platform to explain the importance of light and its potential applications. Light science is one of the most accessible themes to promote cross-disciplinary education understanding of science. Light has been a major factor in the evolution of humankind and our biosphere. Light-based technology is a major economic driver with potential to revolutionize the 21st century as electronics did in the 20th century.

IYL2015 will consist of coordinated activities on international, national, and regional levels.

Activities will be planned so that people of all ages and all backgrounds from all countries enjoy and appreciate the central role of light in science and culture, and as a cross-cutting scientific discipline that can advance sustainable development.

- For more information, please see: www.eps.org/light2015

EPS STUDY ON THE IMPORTANCE OF PHYSICS TO THE ECONOMIES OF EUROPE



The EPS commissioned an independent economic analysis from the Centre for Economics and Business Research (Cebr), using statistics available in the public domain. This study includes data from 29 European countries – the EU27 countries, plus Norway and Switzerland, and examines the 4-year period 2007-2010 (2010 being the most recent year for which official data are simultaneously available for all these countries.)

The study uses statistics filed by European companies and collected by Eurostat. The activity of European companies is described using the NACE codes. Within the NACE codes classification, 77 out of more than 700 correspond to physics related sectors, *i.e.* where there is a critical use of physics in terms of associated technology, expertise and skills. It is important to note that universities, and national and international research facilities are not included in the study. The study looked at various indicators and clearly demonstrates that physics makes an important contribution to the economy and is not limited to a few high profile examples.

Presented for the first time at the EPS Council 2013, the EPS has actively encouraged its Member Societies to use the study in their national contexts. One positive result is that the Società Italiana di Fisica has commissioned a similar report in Italy. Presentations of the EPS report were made to the CERN Council, to European Commission and representatives for the European Research area, to the EU Science Advisor, the OECD Forum on the Knowledge Economy, and to the American Physical Society.

- An Executive Summary presents the main findings, and a more detailed report, including notes on methodology can be found here: www.eps.org/physicsandecconomy

3RD EUROPEAN ENERGY CONFERENCE

The Third European Energy Conference (E2C), was held on 27-30 October 2013 in Budapest, Hungary. It brought together high-level researchers, policymakers and practitioners to discuss the future of European Energy. Experts from all sectors of energy shared their ideas on how to make the European energy system sustainable in terms of environmental and climate impact and also in terms of supply, industrial viability and societal acceptance.

Plenary speakers Pál Kovács – Hungarian Minister of State for Energy Affairs, Robert-Jan Smits - European Commission, Director General DG Research and Innovation and Romana Jordan - European Parliament, ITRE provided inspiring and informative introductory lectures, establishing the political context. The following days saw an impressive range of invited and contributed talks on the latest energy related research on physics, materials science, chemistry, and molecular science, covering themes such as system aspects and sustainability, sciences for energy, energy conversion, networks and energy storage, and efficient energy use.



▲ Laureates of the Best Poster Award sponsored by SPRINGER during the E2C conference: Anita Hotváth, Agostina Lina Capodilupo, Michal Lahav.

The third E2C was organised by the Hungarian Chemical Society and the Hungarian Physical Society, in cooperation with European Association of Chemical and Molecular Sciences (EuCheMS), the European Materials Research Society (E-MRS) and the European Physical Society (EPS). The conference aims to contribute to the European Strategic Energy Technology Plan (SET-Plan) of the European Commission and EU Member States, namely by identifying research needs for new technologies as well as discussing the systemic changes involved.

- For more information, please visit the conference website: www.e2c2013.mke.org.hu/index.php

3RD ASIA EUROPE PHYSICS SUMMIT

The 3rd Asia-Europe Physics Summit [ASEPS 3] took place in Chiba, Japan, from 16 to 19 July 2013. Jointly organised by the Association of Asian Pacific Physical Societies [AAPPS] and the EPS, ASEPS 3 aimed to continue the work in reinforcing cooperation in physics research between Asia and Europe started in the two previous editions: ASEPS 1, Tsukuba, Japan (2010) and ASEPS 2, Wroclaw, Poland (2011).

At the conclusion of the 2013 ASEPS 3 meeting, a “Chiba Statement” was signed by AAPPS President Shoji Nagamiya and EPS President John Dudley, expressing the determination of the two societies to continue organising such fruitful ASEPS meetings in the future.

ASEPS was initiated as a result of the perception that Asia-Europe cooperation in physics is not as well developed when compared with cooperation between Europe and America, or Asia and America. World-wide projects have improved chance of success if based from the outset on a balanced cooperation between the three main regions (Europe, Asia, Americas). Therefore reinforcing the Asia-Europe cooperation can be seen as a first step towards reaching this equilibrium.

- **For more information, please see:**
www.aseps2013.org

EUROPEAN SCIENCE EDUCATION ACADEMY

From 2-4 July 2013, the European Physical Society organised the first workshop dedicated to the European Science Education Academy. The aim of the ESEA Workshop was to define the framework for the development of the ESEA for promoting inquiry-based teaching and learning in schools. It is part of on the outcomes of an extended training initiative, the PATHWAY project that was launched by the European Commission in January 2011 and involved 10,000 science teachers in 15 countries.

The aims of the ESEA are to set the pathway toward a standard-based approach to teaching science by inquiry, to disseminate methods and exemplary cases of both effective introduction of inquiry to science classrooms and professional development programmes; to support the adoption of inquiry-based teaching by demonstrating ways to reduce the constraints presented by teachers and school.

The ESEA workshop was attended by key figures of science education from a large number of EU Member countries and the USA. The participants include senior policy makers and representatives of the wider education community concerned with teacher professional development issues, and researchers in the field of science education.

ODYSSEUS CONTEST

Over 430 high school students from 19 European countries participated in the Odysseus Contest. The contest was organised from July 2011 through April 2013. After one national and one international evaluation round, 5 teams were selected as laureates of the contest. The winning students and their coaches were invited to visit the astronaut-training centre in Cologne, Germany and to attend the awards ceremony and event at Space Expo, the museum of ESA ESTEC based in Noordwijk, the Netherlands.

The Odysseus contest challenged students between the ages of 14 and 18 years old age from all EU countries, and beyond, to develop a project on the theme of space exploration, using their knowledge, creativity and critical thinking.

All entries were assessed and scored on scientific knowledge, practical implementation and creativity by highly experienced evaluators. The laureates (one in each category, one public favourite and one from non-EU country) were invited to the astronaut training centre in Cologne and attended the award ceremony at Space Expo in the Netherlands, where they received their prizes.

The contest was co-organised by Ellinogermaniki Agogi, the European Physical Society, Signosis and Space Expo, financed by a grant from the European Commission under the 7th Framework Programme.

- **For more information, please see:**
www.odysseus-contest.eu

PATHWAY

The objective of the project is to set the pathway toward a standard-based approach to teaching science by inquiry. The EPS is a partner in the PATHWAY project, involved in dissemination. This project began in 2011 and ended in 2013. The co-ordinator is the Didactics Department at the University of Bayreuth (DE). The project has 25

partners from Europe, Russia and the USA. The PATHWAY project proposes to develop a standard based model for enquiry based science teaching.

In 2013, the EPS wrote guidelines to develop the Pathway network. These guidelines defined the contours of the potential Pathway, its objectives and what the project partners should do to achieve these goals. The EPS also organised an international workshop to define the framework for the development of the European Science Education Academy (ESEA) for promoting inquiry based teaching and learning in European schools and beyond. And organized a session at the Pathway closing conference.

- **The Pathway website is:**
www.pathway-project.eu

INSPIRING SCIENCE EDUCATION

inspiring SCIENCE
education

Inspiring Science Education (Inspire) is an EU funded project which began running in April 2013. It brings together 30 partners in 15 countries. The main aim is to provide digital science teaching resources and opportunities for teachers to help them make science education more attractive and relevant to students' lives. Through the Inspiring Science Education website and the activities organised by the partners, teachers can help students make their own scientific discoveries, witness and understand natural and scientific phenomena and access the latest, interactive tools and digital resources from within their classrooms.

Inspirational science teachers are at the heart of successful science teaching. In addition to teaching material, Inspire will also explore other elements involved in helping teachers to motivate students in studying science. To help in this process, regular workshops will be organised throughout Europe. In addition, exchanges for teachers, communities

of practice and learning opportunities for science teachers and teacher trainers aimed at helping them find ways to make their teaching of science more inspirational will also be organised. The European Physical Society will work with the Inspire consortium, and regularly inform its Members about Inspire activities. Teachers and teacher networks at the national level will be encouraged to participate in Inspire training activities.

COMMITTEE ON EUROPEAN INTEGRATION

On 28 April 2013, a founding meeting of the Committee on European Integration was held in Vrnjacka Banja Spa, Serbia. The meeting brought together many physicists from Western and Central, Eastern and Southern Europe as well as representatives from UNESCO and the Central European Initiative. The EPS CEI has been formed to support and promote exchange of physicists and physics research across South-East and Central Europe. The goal is to reduce fragmentation in the area, and better integrate the physics community in the area into the rest of Europe.

The EPS has proposed a series of activities aimed at strengthening the physics communities in these areas of Europe. EPS Member Societies in these countries will be invited to participate in and to propose activities to the EPS CEI. Physical societies are essential actors in promoting physics at the national level, so CEI should also look at how to make them more influential. Among the first activities undertaken by the EPS CEI was a joint (successful) funding application to the Central European Initiative. The other partners are the International Centre for Theoretical Physics, Trieste (IT), the UNESCO Venice Office; and the Southeastern European Network in Mathematical and Theoretical Physics (SENET-MTP).

The project aims at organising a series of workshops to explore and prepare proposals for research funding in Southeastern and Central Europe.

EMMY NOETHER DISTINCTION

The Emmy Noether Distinction for Women in Physics was established in February 2013 by the European Physical Society (EPS) to enhance the recognition of noteworthy women physicists with a strong connection to Europe through nationality or work.



▲ Alessandra Gatti and Nynke Dekker

Emmy Noether was a mathematician whose work has had an enormous impact in physics, and a role model for future generations of scientists. The laureates of the Emmy Noether Distinction are chosen for their capacity to inspire the next generation of scientists, and especially encourage women to choose careers in physics.

The selection committee, appointed by the EPS Equal Opportunities Committee, makes two calls for nominations per year. The 2013 laureates for the Emmy Noether Distinction were:

Alessandra Gatti for her contributions to physics, the introduction of concepts of quantum images, spatial entanglement, and quantum entangled images.

Nynke Dekker, for inter alia "...novel biophysical research on single molecules of DNA, enzymes, and molecular motors."

OPEN ACCESS

In order to better understand the implications and impact of recent policy developments, the European Physical Society [EPS] organised a Round Table on Open Access publishing at its Council Meeting on 5 April 2013. The Round Table brought together scientists from different fields (astronomy, chemistry, physics, biology...) and from different countries and learned societies.

In November 2013, the EPS published a Statement on Managing the Transition to Open Access (which has since been endorsed by EuCheMS and the Federation of European Biological Societies (FEBS)).

The statement is the result of a widespread consultation in Europe and abroad, taking into consideration the comments received from EPS Member Societies, and other learned societies in many different disciplines. The statement formulates conditions for a transition towards Open Access publishing that both respects the need to make publically-funded research results freely available whilst at the same time maintaining peer-reviewed high-quality journals, secure archiving, and a strong and successful international scientific enterprise.

► The statement is available here:
www.eps.org/eps2013_OpenAccess

EPS STATEMENT ON HORIZON 2020

In March 2013, the EPS published a Statement on research and education opportunities for innovation in Horizon 2020. The Statement highlights the importance of investment in scientific research and education as an essential feature of sustainable economic development. The European Union needs to renew its commitment to continue to invest in scientific education and research, and to work to implement a unified research policy.

Horizon 2020 is a unique opportunity to reinforce the vital relation between basic science and technological applications, and thus to advance Europe's position in both research and innovation. The Statement stresses the link between basic scientific knowledge as the seed for technological development and economic growth.

► The statement is available here:
www.eps.org/eps2013_H2020

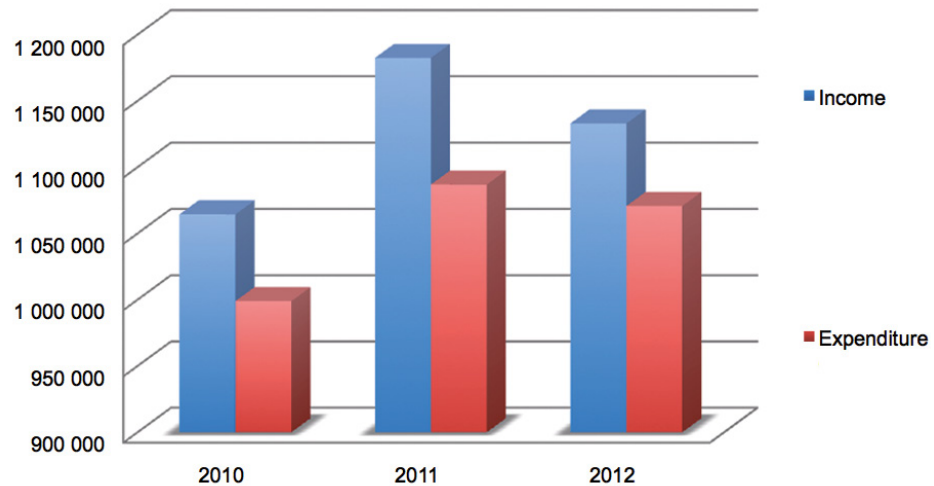
Colin Latimer, EPS Honorary Treasurer

FINANCIAL REPORT 2013

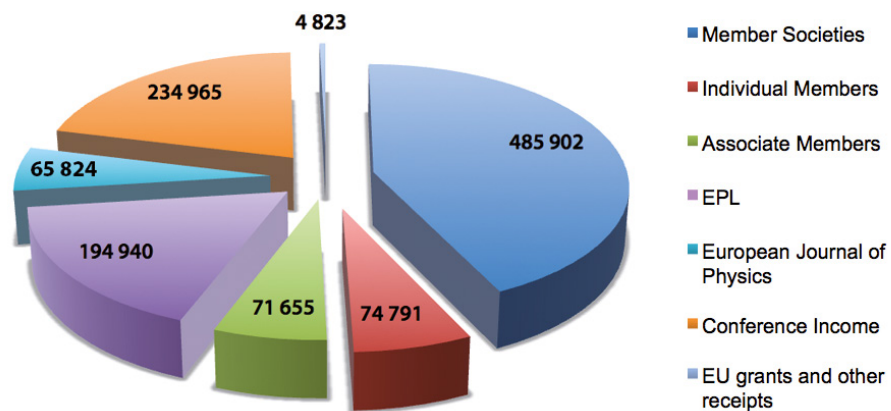
The financial results for the year 2013 were highly satisfactory with an excess of income over expenditure (subject to minor changes after auditing) of 62 274 € compared with the budget of 400 €. Income remained stable compared to the budget. The main reasons for this excess are that the General Meeting was smaller than anticipated, and the expected financial contribution to the European Energy Conference was not needed. Furthermore, expenditure for activities in physics for development was in abeyance pending the reorganisation of the Physics for Development Group.

Substantial work has been done in producing accounts that are more readable and to fulfil the requirement, agreed at the Exceptional Council Meeting in 2010, that EPS income and expenditure should be reported as three business units (labelled as Federation, Learned Society and Publishing) in order to facilitate a comparison between 'federal' and 'learned society' activities. The results of this procedure for 2013 indicate that there is a satisfactory correspondence between income and expenditure in these two aspects of our work.

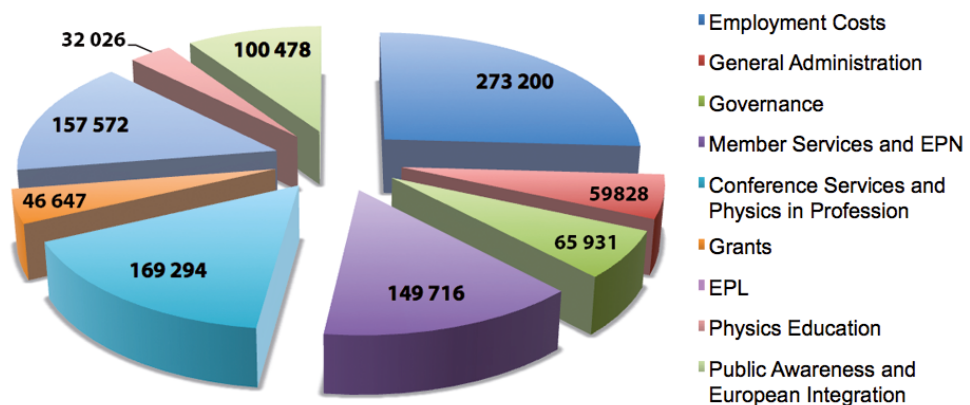
Income and Expenditure 2011-2013 (in €)



Income 2013 (in €)



Expenditure 2013 (in €)



SECRETARIAT

The Secretariat of the European Physical Society is headquartered on the campus of the Université d'Haute Alsace, in Mulhouse France. Staffing fluctuated throughout the year, linked mainly to conference activity, some natural staff turnover, and increase in communications activity. At the end of 2013, the EPS employed 11,6 FTE, in 3 main areas: Core Secretariat (6); Conference Services (2) and the EPL Editorial Office (3,6). In addition, the UHA has made a full time secretary available to the EPS.

The Core Secretariat provides administrative services to the EPS, including accounting, graphic design, and information technology. Among the main tasks are the preparation of Europhysics News and e-EPS, website maintenance

and design, financial control, invoicing *etc.* The Secretariat also supports Divisions and Groups, and the activities of EPS Committees, and the Executive Committee. European relations, relations with other societies, communications, outreach, policy monitoring and EPS involvement in EU projects are also part of activities of the Core Secretariat.

The Conference Services department provides a full range of services for conferences organised by EPS Divisions and Groups. These include committee management, web site design and maintenance, communication, onsite logistics, online paper submission and maintenance, budgeting, *etc.* In 2013, the EPS Conference services Department organised the CLEO/Europe EQEC meeting

in Munich (DE^o), and the NANOMETA Conference on Nanophotonics and Metamaterials in Seefeld (AT).

EPS headquarters in Mulhouse also houses the EPL editorial office: the staff editor, as well as 2.6 FTE editorial assistants (3 persons). In 2013, they handled 2,230 manuscripts. At the same time, the median time from reception to decision decreased from 73 days in 2012 to 68 days in 2013.

The Executive Committee's Honorary Secretary, Martina Knoop and its Honorary Treasurer, Colin Latimer monitor all activities and staff at the secretariat twice a year in cooperation with the Secretary General, David Lee. Various modernisations have been implemented in order to increase the Secretariat's dynamic response. ■

▼ Top: F. Burr, S. Loskill, D. Lee, P. Helfenstein, X. de Araujo - Middle: P. Padovani, K. Desse, A. Ouarab, B. Huchet - Bottom: O. Fornari, T. Dangelser, N. Wicky, J. Robert, G. Gunaratnam



EPS COMMITTEES

CONFERENCE COMMITTEE

Colin Latimer, UK, Chair

Conferences are essential elements in the communication of physics, the career development of physicists, and the reputation and credibility of the EPS and physics. The role of the Conference Committee is to advise the EPS Executive Committee on the development of all activities and programmes in the area of conferences, and to administer EPS Conference grants. The committee members are Colin Latimer (EPS Treasurer, Chair) Ophelia Fornari (Secretary) Dominique Vernhet, Chair AMOP Division, Goran Djordjevic, Chair CEI, Jo Lister, Chair EOC, Jef Ongena, Chair EPS Energy Group.

The Conference Committee is responsible for the collecting and disseminating information on both Europhysics Conferences (*i.e.* conferences organized by EPS Divisions and Groups), and for evaluating applications to obtain the label of EPS Sponsored Conference. Conference organizers may also request EPS Conference Patronage, which is awarded upon approval of the President and entitles the organizers to use the EPS logo and communications network to disseminate information.

Conferences

In 2013 the EPS was associated with 32 conferences, of which 11 were Europhysics Conferences, 17 were EPS Sponsored conferences, and 4 others where EPS Divisions and Groups played an important role. The two largest conferences organized by the EPS Conference department were CLEO/Europe – ICQE (1564 participants from 42 countries) and Nanometa 2013 (218 participants from 31 countries).

Conferences Grants: the EPS makes grants available to the organizers of Europhysics conferences to allow for the participation of young scientists in their meeting. Per conference a maximum of 3 grants of 350 € each can be awarded. In 2013, grants totalling 4900 € were distributed

IM Travel Grants: the EPS makes grants available to individual members (IMs) of the EPS to allow for the participation in a EPS recognized (Europhysics or Endorsed) meeting. Members may receive a grant of 350 € only once and may request support only in the first 3 years of their membership. 20 grants were distributed in 2013.

Invited Speaker Grants: the EPS makes grants, of 500 € each, available to conferences organized by EPS Divisions and Groups (Europhysics conferences and schools) to cover costs of invited speakers. 6 grants were distributed in 2013.

EPS Poster Prize: grants, of 250 € each, are available to EPS Europhysics or Endorsed conferences for a poster prize, to make an award to a student who has presented the best poster at the conference. 16 prizes were awarded in 2013

► **Further information on EPS conferences and grants, including application procedures, is available on the EPS website**

COMMITTEE OF EUROPEAN INTEGRATION (EPS-CEI)

Goran Djordjevic, Serbia, Chair

Members: Ana Proykova, Bulgaria; Radu Constantinescu, Romania; Maciej Kolwas, Poland; Guido Martinelli, Italy; Denes Lajos Nagy, Hungary; Sofoklis Sotiriou, Greece

Activity in 2013

In accordance with the decision, of the Executive Committee, G. Djordjevic became the Chair of the EPS-CEI. Terms of Reference and an Action Plan were drafted, and new members of the EPS-CEI were proposed.

In 2013, the main action was the organisation of a kick-off meeting, which took place in Vrnjacka Banja, Serbia, on 27-28 April 2013. Many members of the current committee attended, as well as representatives from other international organisations.

Strategy and main activities

The EPS-CEI will support and promote exchange of physicists and physics research across South-East and Central (Central-East) Europe. The goal is to reduce the fragmentation in the area, and more firmly integrate the physical community in the area into the rest of Europe. In the field of Theoretical and Mathematical Physics these activities will be partially integrated in the SEENET-MTP Network program.

The CEI will undertake studies to identify issues and needs of the physical community across South-East and Central-East Europe. It will propose actions to promote cooperation between them and EU countries and to help in transfer of good practice from the "West" to the "East". CEI-EPS will be open to take part in regional meetings, *e.g.* in the Czech Republic and Poland, previously used as important forums for regional discussion, as well as for joint events with the Balkan Physical Union.

A consortium of UNESCO, EPS, ICTP and SEENET-MTP prepared a working plan to apply to Central European Initiative in Trieste (IT) for additional funds for the preparation of several HORIZON 2020 projects, with some impact to the EPS-CEI mission. Application was recently approved and activities will be continued through 2014.

YOUNG MINDS ACTION COMMITTEE (EPSYM)

Antigone Marino, IT, Chair



In the last four years, the EPS Young Minds (YM) Project has been connecting proactive students around the world amongst themselves and with the European Physical Society.

The primary aim of the YM project is to encourage and support professional skills of the next generations of physicists in Europe. The first tool identified in 2010, the year of launch of the project, was the creation of local student groups, called Sections.

YM Sections, made up of university students, direct their efforts to a) organize seminars and workshops, b) carry out educational activities for schools and outreach activities in general, c) join and enrich the scientific community through the implementation of national and international network collaborations, between them, with the local communities and with other societies.

YM Sections currently have 200 young scientists from over 22 Sections

in 12 countries.

The YM project supports them with small activity grants. The main criteria for evaluating their grant applications are professional relevance, cultural outcome, visibility impact for EPS, and impact per Euro.

With respect to the previous year, the number of Sections has increased by 20% with the addition of three new countries.

The main achievements for 2013 are

In 2013, the YM Action Committee members were renewed. In addition to A. Marino, the YM Committee members are the EPS President, John Dudley; the Secretary General EPS, David Lee; and the Conference Manager assistant, Ophélie Fornari. This year the project invited a member of the Executive Committee, Fülöp Zsolt, to join the action committee in order to strengthen the interaction with EPS governance. Ulrike Ritzmann and Adriano Conte also joined the committee.

In 2013, YMs supported 41 activities, submitted from 18 Sections: 25% outreach activities, 40% networking activities, 35% seminars. These percentages show how networking is the activity in which the YM members require the greatest support from EPS, and how the organization of seminars is considered the most important activity, as strongly

linked to their research and their life in the Institution where they work.

Since October 2012, 16 electronic news items have been published in e-EPS describing YM activities in various Sections around to present the project activities. This tool is excellent not only for EPS, but also for YM members, often undergraduate students, who discover the importance of writing an article for the community, as they will later do to share their research activities.

The 2nd YM Leadership Meeting was held in June, at the EPS Headquarters. The Meeting was joined by 17 Section Presidents, who presented their activities, and listened to invited talks.

The YM website is currently undergoing a complete redesign, to be more user friendly and robust. The goal for 2014 is to reach the number of 30 Sections, promoting new countries and National Societies to join the project.

FORUM PHYSICS AND SOCIETY

Averill MacDonald, UK, Chair

The Forum Physics and Society began its activities in 2006 with a meeting in Graz (Austria) following the 2005 World Year of Physics. Four FPS meetings have been organised to date in Zakopane (Poland, 2007), Ratnieki (Latvia, 2009), El Escorial (Spain, 2010) and Geneva (2012).

The current committee membership includes Averil Macdonald (Chair), Nuria Ferrer, Mirjana Bozic, Sonja Draxler, Christophe Rossel, Ove Poulsen, Maciej Kolwas, Martin Huber, Gerardo Delgado-Barrio, Herman Beijerinck and Martial Ducloy.

In 2013, the FPS formalised its Terms of Reference. This document outlines the aims of the Forum, notably "to establish an active role for EPS in the relationship of physics to society, undertaking the challenge of maintaining a strong and critical dialogue between physicists, the public, the media and decision-makers from policy and the economy."

► The Barcelona Young Minds section



The FPS aims to catalyse this dialogue through workshops and meetings, gathering decision makers and physicists to put the spotlight on topics of interest to both society and to the physics community and to share best practice across the physics community.

Throughout 2013, the FPS has worked to organise the next FPS meeting, which is planned for 2nd and 3rd October 2014 in Belgrade. The agreed title is "Improving the Image of Physics". There will be three themes: "Physics and Students - improving recruitment and education quality"; "Physics and employers - improving employability for our students"; "Physics and the public including politicians - improving the public's appreciation of physics and how best to demonstrate to the public and politicians the positive impact of physics on the economies of Europe to ensure increased funding for physics". The meeting will attract physicists and policy makers from around Europe, and lead to a set of recommendations for the Executive Committee to consider.

HISTORIC SITES COMMITTEE

Luisa Cifarelli, IT, Chair

The Historic Sites (HS) Committee was created at the end of 2011.

Current Members of the EPS HS Committee are: Alan Chodos, Luisa Cifarelli (Chair), Martin Huber, Maciej Kolwas, Ove Poulsen, Peter Maria Schuster, Fritz Wagner. Observer: Giovanni Volpe (EPSYM).

Through December 2013, 40 proposals of Historic Sites were received, either spontaneous or channelled through Member Societies. Proposals can be made at any time from the EPS web site: www.eps.org/?page=distinction_sites

The HS Committee examines the proposals typically three times per year. Out of the 40 nominations received, 38 different sites were actually proposed due to overlapping nominations of the same sites in two cases.



◀ European map of the Historic Sites

Until 15 January 2014, 36 proposals of EPS Historic Sites were accepted and concerned the following 17 countries (one of them outside geographical Europe): Austria, Belgium, Bulgaria, Czech Republic, Denmark, France, Germany, Hungary, Italy, India, The Netherlands, Poland, Russia, Spain, Sweden, Switzerland, United Kingdom.

Until December 2013, 13 EPS Historic Sites have been inaugurated in 8 different Countries:

- **The Goldfish Fountain of the Physics Institute of Panisperna Street**
Fermi Centre, Rome, Italy, 20 April 2012
- **Laboratory "Les Cosmiques"**
Col du Midi, Chamonix, France, 23 July 2012
- **Hoza 69**
Warsaw, Poland, 10 January 2013
- **The Study of Bruno Pontecorvo**
JINR, Dubna, Russia, 22 February 2013
- **The Hill of Arcetri**
Florence, Italy, 17 May 2013
- **The Villa Griffone in Pontecchio Marconi**
Bologna, Italy, 26 May 2013

- **The Observatory of Tycho Brahe**
Hven Island, Landskrona, Sweden, 11 September 2013
- **The LAL-LURE Accelerator Complex**
Orsay, Paris, France, 13 September 2013
- **PTB, Formerly PTR, The National Metrology Institute**
Berlin, Germany, 8 October 2013
- **The Cathedral, Kamien Pomorski**
Poland, 11 October 2013
- **The Neutrino Experiment at MTA Atomki**
Debrecen, Hungary, 25 October 2013
- **The Niels Bohr Institute**
Copenhagen, Denmark, 3 December 2013
- **The AdA Storage Ring at the INFN Frascati National Laboratory**
Frascati, Rome, Italy, 5 December 2013.

Already scheduled inaugurations in 2014, in 4 different countries other than the above, are the following:

- **The European Birthplace of the Atomic Timekeeping**
NPL, Teddington, UK, 31 January 2014
- **The Fabra Observatory**
Barcelona, Spain, 9 May 2014
- **The Synchro-Cyclotron, SC**
CERN, Geneva, Switzerland, (date t.b.c)

EPS PUBLICATIONS

E-EPS



Editor:
Luisa Cifarelli (IT)

Technical Editor :
Bénédicte Huchet

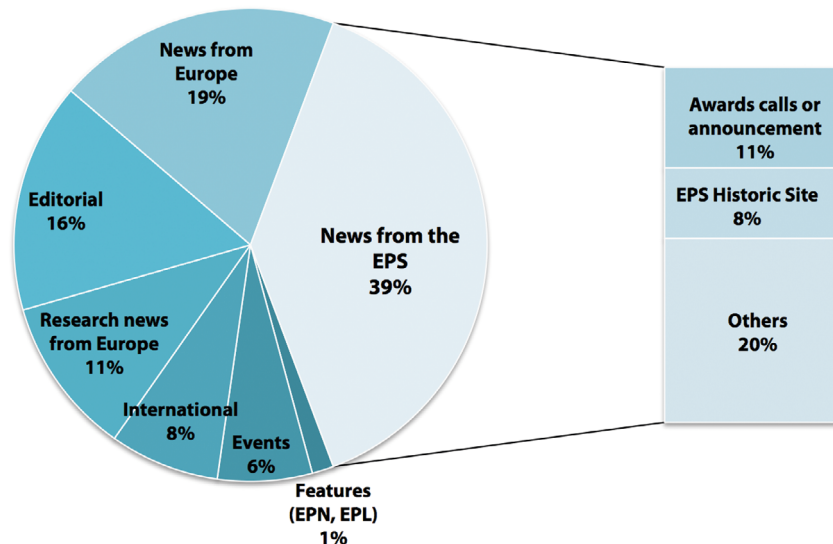
e-EPS is the electronic newsletter of the EPS. It publishes short timely news items of interest to EPS members, the physics community and general public. Since its creation in May 2011, the readership has grown from 3000 to over 35,000.

12 issues of e-EPS were distributed in 2013, with 240 separate news items. The website, www.epsnews.eu was visited over 75,000 times. Monthly visits to the website are steadily increasing, from 3500 in 2011, than 6000 per month in 2013. The 5 most visited articles in 2012 were: First successful quantum teleportation in a computer

chip; Honours abound for physicists in 2013; €70 billion for Horizon 2020; ATLAS and CMS awarded for the discovery of a Higgs boson; Nobel Prize in Physics 2013 to François Englert and Peter Higgs.

Total of visits per category of the most viewed articles (>100 visits)TOTAL: 49 000 visits from 145 articles.

▼ e-EPS: total of visits per category of the most viewed articles (>100 visits). TOTAL: 49 000 visits from 145 articles



EUROPHYSICS NEWS



Editor:
C. Sebenne (FR),
(until December 2013)
V.R. Velasco (ES),
(from January 2014)
Science Editor:
L. J. F. Hermans (NL),

EPN has kept its general presentation over the year. However, in close cooperation with our designer Xavier de Araujo we have explored ways to make EPN more pleasant, and seeing how to improve the look of the magazine without increasing the proportion of illustrations, both

in size and number. The composition of the production team has remained unchanged.

The size of the “Highlights” section corresponds to slightly over 20% of the available space for editorial material. So far this has been found satisfactory, but we should notice that the section started with 21 summaries per year in 2006, then increased to 44 the next year and 60 in 2008, to reach 66 in 2009. We have been glad to see a decrease to 61 in 2010 and even to 54 in 2011. However, a sharp rise to 74 has been seen in 2012, over our self-imposed limit of 72. Several European journals

have realised their interest in publishing Highlights and the upward trend is expected to persist. Therefore it was decided to ask for shorter summaries, which would allow accommodating a higher number of highlights within the same number of pages. Now, the maximum number of “Highlights” per issue is 14. Their total number in 2013 decreased to 66, although in issues 44/5 and 44/6 there were 14 and 13 “Highlights”, respectively.

The launch of the e-EPS Newsletter in the middle of 2011 has freed EPN from publishing news of temporary interest and enhanced its magazine profile.

The News section is now devoted to EPS statements and activities, scientific reports on EPS conferences, prize and award laureates of the Society, *etc.* This information is to be supplied by all bodies of the EPS, *i.e.*, the Executive Committee, Action Committees, Divisions, Sections and Groups.

At the same time that EPN is printed, it is made accessible on the web freely and fully since a few years. This makes it available not only to all European physicists, but to everybody in the world. The statistics of the web visits look very encouraging. The web version is basically the same as the printed issue. However, it adds a new degree of freedom by giving space, when needed, to complementary documents such as videos or scientific developments related to a subject that is presented in the printed issue. So far this has only scarcely been used.

The EPN Editorial Advisory Board has decided to continue widening the scope of Feature topics as much as possible, recruiting authors increasingly from the borders of physics and other domains. This is progressively achieved by adjusting the composition of the board, upon member replacements, giving priority to topical rather than geographical distribution. We feel that EPN must primarily be instructive and pleasant to read, rather than reporting from the cutting edge of physics research. In this spirit it was decided, as of 2014, to open a new 'Crossing Borders' column as an outreach into the public domain.

The editorial team of EPN, however small, hopes to continue to make an increasingly interesting journal, but needs the help and support of the EPS readers in two ways:

- First, make suggestions for editorial policy and improvements.
- Second, provide short information of lasting interest (preferably with pictures) at the wider European scope.

EPL



Editor in Chief:

Michael Schreiber (DE),
(until April 2013)

Giorgio Benedek (IT),
(from May 2013)

Staff Editor :

Frédéric Burr

EPL publishes original, high-quality Letters in all areas of physics, ranging from condensed matter topics and interdisciplinary research to astrophysics, geophysics, plasma and fusion sciences, including those with application potential. The Journal was founded in 1986 by the European Physical Society (EPS), the Société Française de Physique (SFP) and its subsidiary EDP Sciences, the Società Italiana di Fisica (SIF) and the Institute of Physics (IOP). The new journal incorporated *Lettere al Nuovo Cimento* and *Journal de Physique Lettres* and was published by EPS, EDP Sciences, IOP Publishing and SIF for a partnership of 17 European physical societies (the EPL Association). EPL is now available in more than 2000 institutions worldwide and has an Impact Factor of 2,26.

Journal Production

Submissions for 2013 increased by 5% compared with 2012. Articles published dropped to 868 (977 in 2012). The overall acceptance rate decreased significantly in 2013. Printed pages also decreased below 5,000 for manuscripts.

Interdisciplinary topics (*e.g.*: rheology, biophysics, medical physics, and complex networks) continue to provide a scope not always available in other letters journals. High-energy and nuclear physics articles have also increased to 49 in 2013 (compared with 24 in 2007). The journal remains strongest in condensed matter topics (mostly theory) with 346 published articles, followed by mathematical and statistical modelling with 191 articles.

In 2013, submissions arrived from 75 countries with a geographical distribution (by corresponding author) of Asia: 55%; Europe: 31%; North America: 7%; rest: 7%; while published articles have a slightly different focus of Europe: 48%; Asia: 38%; North America: 10%; rest: 4%.

The median submission-to-online time during 2013 has reduced below 100 days and remains consistent at this level. The management team continue to seek ways of decreasing the delay. Fast-tracking of exceptional articles is still possible, with 81 published this way in 2013.

The Mutual Transfer Agreement between EPL and other EDPS/IOPP journals resulted in another increase in recommended transfers to 84 (77 in 2012; 62 in 2011). 54 of these were subsequently published (53 in 2012; 29 in 2011).

Digital printing of the hardcopy continues with a further reduction during 2013 to fewer than 380 copies of each issue. Possibly reducing print further and becoming an online-only journal is under consideration.

Open Access, citations and downloads

The hybrid open access model (author pays €1,200 for 2013; €1,300 for 2014) continues to be one of the cheapest available but has not yet attracted a flood of income with only 30 articles since the scheme began in 2007.

The most-cited articles published in the past 2 years include complex networks, Higgs-related physics, inflation modelling for the early Universe, SUSY modelling, and magnetic films. Articles published during 2013 have already amassed over 220 citations (Scopus data). The inflation modelling article has over 10 citations while 9 other articles have been cited more than 3 times.

An article 'Sculplexity: Sculptures of complexity using 3D printing'

promoted in a press release in early December has been downloaded almost 700 times. Analysis of this article is not yet complete but previous press-released articles have performed well in downloads (although not so well in citations). Nevertheless these articles provide excellent visibility for EPL. The article ‘Universal properties of mythological networks’ that was subject to a press release in 2012 continues to amass downloads and has now exceeded 9,000 (an all-time record for an EPL article) with 3,200 in 2013. From articles published in 2013, 7 have been downloaded over 1,000 times with the highest on ‘tunnelling phenomena’ with over 3,300 downloads since publication in June. Downloads for articles published several years ago indicate that EPL letters have a long ‘shelf-life’. An article from volume 94 (2011) on ‘large anisotropic magnetoresistance’ tops the list with over 5,000 in 2013.

The Editorial Board of EPL

EPL’s Editorial Board comprises the Editor-in-Chief and a team of 51 Co-Editors. The members of the Board oversee the review process: they select referees and decide on whether a submitted manuscript will be published, is rejected or needs revision.

All Co-Editors of EPL are active physicists of high standing. They are carefully selected by the EiC. The spread of their fields of research closely matches the distribution of submitted manuscripts among the categories of the ‘Physics and Astronomy Classification Scheme’ (PACS). e-EPS

EJP – EUROPEAN JOURNAL OF PHYSICS



Editor

Jan Mostowski (PL)

Executive Publisher

Kerry Hopkins (UK),
IOPP Publishing

2013 has been a very successful year for European Journal of Physics (EJP). We have seen innovations in peer-review, in publishing processes and methods and in the way reader’s access content, in particular our engagement with digital and social media. Both the detail of 2013 activity, and our plans to build on this activity in 2014, is outlined below.

As part of the commitment to provide the best possible publishing service to authors, referees, board members and publishing partners, IOPP is replacing its in-house online editorial management system. EJP went live on this system in October 2013. This brings immediate benefits in improved access and workflow for authors and referees, faster access to papers for board members and editors. The transition has been smooth and the new system is being well received – EJP continues to lead the field in publication times and service to authors, referees and board members.

In introducing the new editorial management system, IOPP also introduced a hybrid open access option for EJP authors. Hybrid open access refers to a publishing model in which subscription-based journals allow authors to make individual articles open access

on payment of an article publication fee. The introduction of this important service for authors brings EJP in to line with other comparable titles.

Article numbering has replaced page numbering in the journal with immediate effect. This has benefits which include increased discoverability, easier citation and faster receipt to web publication times.

Video abstracts will be launched on EJP in January 2014 – the content is in creation and as of now all accepted articles will be invited to submit a video abstract. It has been shown by other journals that papers with video abstracts are downloaded much more than those without. They will also allow an increase in the visibility of the journal through social media outlets YouTube and Twitter which will encourage more subscribers.

2013 also saw an increase in downloads, and a slight decrease in the number of accepted submission (122 in 2013 v 129 in 2012). While most submitted articles are from Asia, the most published articles continue to come from Western Europe.

The Highlights collection is a collection of the most downloaded and most cited papers, which represent some of the most popular, useful and innovative work published in EJP during 2012. All of the articles in the collection were free to read on the website until 31 December 2013 – this is to help encourage usage of this quality content, with the aim that this will encourage researchers to cite the articles in their own research.

EPS DIVISIONS AND GROUPS

EPS has 11 Divisions, covering each of the specific fields of physics research. The 7 Groups look at questions of common interest for all physicists such as Physics for

Development, and Technology. EPS Divisions and Groups organise many of Europe’s leading physics conferences, allowing members of the European and global physics

community to share their research and exchange with their colleagues. They also award many prestigious prizes and are involved in policy debates and physics outreach.

CONFERENCES ORGANISED IN 2013

CONFERENCE	PLACE	PARTICIPANTS	DIVISION
ECAMP 11	Aarhus, DK	368	Atomic, Molecular and Optical Physics
EGAS 45	Aarhus, DK	300	Atomic, Molecular and Optical Physics
ICPE-EPEC	Prague, CZ	300	Physics Education
MPTL	Madrid, SP	78	Physics Education
EPS-HEP 2013	Stockholm, SE	723	High Energy Physics
Nuclear Physics in Astrophysics VI, 26 th International Nuclear Physics Divisional Conference of the EPS	Lisbon, PT	600	Nuclear Physics
Workshop on Biomolecules and Nanostructures	Pultusk, PL	140	Physics in Life Sciences
Symposium I "Multifunctional Bio-materials"	Warsaw, PL	50	Physics in Life Sciences
The 40 th EPS Conference on Plasma Physics	Espoo, FI	610	Plasma Physics
Nanometa	Seefeld, AT	250	Quantum Electronics and Optics
CLEO/Europe-IQEC	Munich, DE	1500	Quantum Electronics and Optics
IPAC'13	Shanghai, CN	1200	Accelerators Group
European Energy Conference	Budapest, HU	140	Energy Group
TIG Workshop	Ravenna, IT	50	Technology and Innovation
XXV IUPAP Conference on Computational Physics (CCP2013)	Moscow, RU	220	Computational Physics Division

PRIZES AWARDED IN 2013

PRIZE	LAUREATE	DIVISION
EPS Emmy Noether Distinction for Women in Physics	Alessandra Gatti Nynke Dekker	European Physical Society
The Gero Thomas Medal	Christine Petit-Jean-Genaz	European Physical Society
Giuseppe and Vanna Cocconi Prize	Arthur B. McDonald Yoichiro Suzuki	High Energy Particle Physics
Gribov Medal	Zohar Komargodski	High Energy Particle Physics
High Energy and Particle Physics Prize	ATLAS and CMS collaborations Michel Della Negra Peter Jenni Tejinder Virdee	High Energy Particle Physics
Outreach Prize	Don Lincoln	High Energy Particle Physics
Young Experimental Physicist Prize	Diego Martinez Santos	High Energy Particle Physics
IBA-Europhysics Prize in Applied Nuclear Science and Nuclear Methods Medicine	Marco Durante	Nuclear Physics
EPS Physics Education Division Award for Secondary School Teaching	Karl Torstein Hetland	Physics Education
PhD Research Prize	Elena Nedanovska Frederico Fiúza István Pusztai Lidia Piron	Plasma Physics
European Physical Society Prize for Research into the Science of Light	Philip St J Russell	Quantum Electronics and Optics
Fresnel Prize of the European Physical Society (applied aspect)	Gerasimos Konstantatos	Quantum Electronics and Optics
Fresnel Prize of the European Physical Society (fundamental aspect)	Yu-Ao Chen	Quantum Electronics and Optics
Prize for Applied Aspects of Quantum Electronics and Optics	Federico Capasso	Quantum Electronics and Optics
Prize for Fundamental Aspects of Quantum Electronics and Optics	Maciej Lewenstein	Quantum Electronics and Optics
Research in laser science and application prize	Thomas Udem	Quantum Electronics and Optics
Thesis Prize (applied aspect)	Clara Saraceno Florian Kaiser	Quantum Electronics and Optics
Thesis Prize (fundamental aspect)	Pascal Del'Haye Thomas Monz	Quantum Electronics and Optics

Atomic Molecular and Optical Physics Division

**Chairman**

- Dominique Vernhet

Sections

- Electronic and Atomic Collisions
- Chemical and Molecular Physics
- European Group on Atomic Systems

Conferences

- European Conference Atomic and Molecular Physics (ECAMP)
- European Group on Atomic Systems Conference (EGAS)

Website

- <http://ampd.epsdivisions.org/>

High Energy And Particle Physics Division

**Chairman**

- Thomas Lohse

Conference

- HEP General Conference

Prizes

- High Energy and Particle Physics Prize
- Young experimental Physicist Prize
- Gribov Medal
- Outreach Prize
- Giuseppe and Vanna Cocconi Prize

Website

- <http://eps-hepp.web.cern.ch/eps-hepp/>

Condensed Matter Division

**Chairman**

- Eoin P. O'Reilly

Sections

- Liquids, Macromolecular Physics, Magnetism
- Semiconductors and Insulators, Surfaces and Interfaces

Conferences

- CMD General Conference
- Liquid Matter Conference
- EDM Macromolecular Physics
- Joint European Magnetism Symposium
- ECOSS

Prize

- EPS CMD Europhysics Prize

Website

- www.eps.org/group/CMD

Nuclear Physics Division

**Chairman**

- I.J. Douglas MacGregor

Conferences

- EPS Nuclear Physics Division Conference
- Nuclear Physics in Astrophysics

Prizes

- Lise Meitner Prize (Nuclear Science)
- IBA Europhysics Prize (Applied Nuclear Science and Nuclear Methods in Medicine)
- PhD Prize in Nuclear Physics

Highlights/News

- <http://nuclear.epsdivisions.org/highlights-1/>

Website

- <http://nuclear.epsdivisions.org/>

Environmental Physics Division

**Chairman**

- Herbert Fischer

Prizes

- A draft charter for an EPD award has been established aimed at a prize for young scientists and a medal for lifetime achievement in Environmental Physics. The coming period 2010-2012, sponsors are to be identified.

Plasma Physics Division

**Chairman**

- Sylvie Jacquemot

Sections

- Beam Plasma and Inertial Fusion Section
- Dusty and Low Temperature

Conference

- EPS Plasma Physics Division Conference///

/// Plasma Physics Division (following p.16)**Prizes**

- EPS-PPD Hannes Alfvén Prize
- EPS-PPD PhD Research Award
- EPS-PPD Innovation Prize

Website

- <http://plasma.ciemat.es/EPS-PPD/EPSPPD.html>

/// Quantum Electronics And Optics Division

- Research into the Science of Light Prizes

Website

- <http://qeod.epsdivisions.org/>

Physics Education Division**Chairman**

- Gorazd Planinsic

Conference

- European Physics Education Conference (EPEC)

Prize

- EPS PED Secondary Teaching Award

Website

- <http://education.epsdivisions.org/>

Solar Physics Division**Chairman**

- Valery Nakariakov

The JSPD is a joint Division with the European Astronomical Society (EAS) and the European Physical Society (EPS)

Conference

- European Solar Physics Conference

Website

- <http://soho.estec.esa.nl/SPS/>

Physics In Life Sciences Division**Chairman**

- Marek Cieplak

Conference

- under consideration

Website

- <http://info.ifpan.edu.pl/DPL/>

Statistical And Nonlinear Physics Division**Chairman**

- Jerzy Łuczka

Conferences

- Applications of Physics in Financial Analysis
- International Conference on Statistical Physics

Website

- <http://www.eps.org/members/group.aspx?id=85204>

Quantum Electronics And Optics Division**Chairman**

- Luc Bergé

Conferences

- EPS-QEOD Europhoton meetings
- CLEO/Europe – EQEC
- Nanometa

Prizes

- Quantum Electronics Prize
- Fresnel Prize
- 4 QEOD thesis prizes
- Research in Laser Science and Applications Prizes ///

Notes

Accelerators Group**Chairman**

- Andrzej Wolski

Conference

- International Particle Accelerator Conference

Prizes

- EPS Accelerator Rolf Wildeöe Prize for outstanding work in the accelerator field
- EPS Accelerator Gersh Budker Prize for recent significant contributions
- EPS Accelerator Frank Sacherer Prize for an individual early career researcher for recent significant contributions
- EPS Accelerator Prize for PhD or equivalent for the quality of their work
- EPS Accelerator Prize for student poster

Website

- <http://epac.web.cern.ch/EPAC/EPS-AG/Welcome.html>

Experimental Physics Control Systems Group**Chairman**

- Roland Mueller

Conferences

- International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS)
- Current Trends in Data Acquisition and Controls of Accelerator (CTDCA)

Prize

- EPCS Prize

Website

- <http://epcs.epsdivisions.org/>

Computational Physics Group**Chairman**

- Alex Hansen

Conferences

- Conference on Computational Physics
- Biennial Grand Seminars in Computational Physics

Prize

- Berni Alder CECAM prize
- 2014 Young Scientist Prize

Website

- <http://phycomp.technion.ac.il/~EPS-CPG/>

History Of Physics Group**Chairman**

- Peter Maria Schuster

Conference

- International Conference for the History of Science

Website

- <http://history.epsdivisions.org/>

Physics For Development Group**Chairman**

- Francois Piuzzi

Conference

- Examining proposal to create a European Conference on Science and Development

Prize

- Examining proposal to create Instrumentation Award for African Scientists

Energy Group**Chairman**

- Jozef Ongenar

Conference

- National Energy Group Seminar
- European Energy Conference

Website

- <http://energygroup.epsdivisions.org/>

Technology and Innovation Group**Chairman**

- Horst Wenninger

Conference

- Technology and Innovation Workshop

Website

- Under consideration



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