ACTIVITY REPORT 2014

presented to EPS Council, 27-28 March 2015

European Physical Society

more than ideas

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John Dudley, EPS President

INTRODUCTION FROM THE PRESIDENT

It is a pleasure to write this short preface to the annual Activity Report of the European Physical Society. When we examine our activities over the last 12 months, it is absolutely remarkable how much we have accomplished.

From a perspective as a learned society providing services to European physicists, EPS has continued its leading role in organizing conferences, publishing journals, awarding prizes, and in supporting the actions of its divisions and groups in many other ways. Full details are given later in this Report, but I would like to draw attention to a number of areas that have seen particular developments in 2014.

A workshop held by the Forum for Physics and Society chose as its focus the very important theme of how to improve the image of physics, with an outcome being some very concrete recommendations to ensure that the importance of physics in research, education and industry continues to be emphasised to the public and policy-makers. EPS of course has a number of on going actions that work to support its Member societies to achieve this goal, and the EPS Historic Sites programme in particular continues its great success. The inauguration of an EPS Historic Site provides an occasion to recognise local achievements in physics and to celebrate successes of great physicists. EPS recognised 5 new sites since the last Council.

The EPS Emmy Noether Distinction for Women in Physics continues to attract very wide interest, and is part of the broader mission of EPS in supporting career development of women physicists at all levels. In a similar vein, EPS has introduced in 2014 a new Early Career prize to support and recognise young physicists as they build their own careers in an increasingly challenging environment.

In terms of communications, the online e-EPS maintains its position as a very widely-read monthly bulletin of news and information for members, and Europhysics News has seen the introduction of a beautiful online flipbook to accompany its print version. With the complementarity and flexibility of e-EPS and EPN, our communications media are extremely well-positioned for the future.

Our strategic objective in developing an effective influence on decision-makers has seen the formulation of a clear plan for a visible and physical presence in Brussels which will be at the service of all of EPS's membership. Having influence naturally requires a voice, and so following the last Council, a clear procedure for drafting and approving statements and papers from EPS has been put into place, with internal peer-review ensuring balance and accuracy.

EPS has also greatly increased its international visibility through leading the highly successful International Year of Light initiative, cementing existing links and establishing new ones with national and international bodies of science and science policy in physics and in many other fields as well. Activities in European-wide outreach and education have also developed very well, with EPS now involved in a total of 3 European projects in collaboration with institutes, universities and other learned societies throughout Europe. This is a further example of the added value that EPS can bring to its members.

EPS is continuing to make good progress in fulfilling the objectives laid out in the strategy plan 2010+, and a strategy review group will be put in place during 2015 in order to assess more formally how these objectives have been met.

But at this point, the mantle of Presidency now passes to Christophe Rossel, and I wish him all the best as he leads us through an exciting period ahead. In closing please let me extend my most heartfelt thanks to the EPS Secretary-General, Executive Committee, staff and all the membership of the Society for their support during my term. ■

Lucia di Ciaccio, 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 reported monthly in the e-EPS newsletter.

Since Council 2014, the Executive Committee has met three times: on 24 June 2014 at the EPS secretariat in Mulhouse (FR), on 3-4 November 2014 in Lausanne (CH), and on 2 February 2015 in Stockholm (SE).

In addition to the full meetings, the officers of the Executive Committee (Secretary, Treasurer) meet regularly with the Secretary General to assess staff evolution and other issues regarding the organisation of the Secretariat. These meetings, held at the EPS Secretariat, also provide the opportunity to discuss ongoing activities and provide timely input. L. di Ciaccio, the Honorary Secretary, and G. Leuchs, the Honorary Treasurer will continue these meetings in 2015.

The Executive Committee discussed many items in 2014, including 2 draft statements, the International Year of Light and the programme for the Brussels presence.

The Executive Committee reviewed the comments received for the Statement prepared by the High Energy Physics Division on the Importance of Funding Basic Natural Science. After much iteration, the statement was released in a letter to the President of the European Commission as a contribution of the EPS to discussion regarding the reallocation of funds from the Horizon 2020 framework programme (**http://www.eps.org/resource/resmgr/policy/EPS2015_LetterToJCJuncker.pdf**). The Executive Committee also followed closely the evolution of the Statement from the Energy Group on Energy Policy.

The International Year of Light and Light Based Technologies 2015 was another key theme in Executive Committee meetings. Mobilisation of EPS Member Societies and communication in Europe are essential to the success of the year.

Regarding the **EPS Brussels presence**, the physical location has been finalised. In order to better understand the role of an EPS presence in Brussels, meetings were organised with Swiss Core and the IBM Brussels office. Advice was sought from external consultants as well. An ongoing process of discussing with Member Societies to understand their concerns has also been started. This has helped in the formulation of a work plan for 2015.

The Executive Committee has approved a new EPS Achievement Award. This award recognises activities, and achievements which have favoured EPS internal collaboration and effectively promoted the image and the impact of the EPS. The award will be attributed for contributions to EPS Divisions, Groups and Committees.

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 following table:

CONTACT FOR MEMBER SOCIETIES	MEMBER	DIVISION/GROUP
Belgium, Italy, Poland	Bracco, Angela	Accelerators Group
France, Luxembourg, the Netherlands	di Ciaccio, Lucia	
	Dudley, John *President*	High Energy and Particle Physics Division, Experimental Physics and Control Systems Group
Denmark, Finland, Iceland, Norway, Sweden	Friberg, Ari	Division of Physics in Life Sciences, Statistical and non-linear Physics Division
Bulgaria, Hungary, Moldova	Fülöp, Zsolt	Nuclear Physics Division, Computational Physics Group
Portugal, Russia, Spain	Hidalgo, Carlos	Joint European Solar Physics Division, Plasma Physics Division, Energy Group
UK	Hough, James	Environmental Physics Division
Belarus, Georgia, Ukraine	Leuchs, Gerd	Quantum Electronics and Optics Division, Technology Group
Austria, Germany, Liechtenstein, Switzerland	Müller, Thomas	Physics for Development Group
Estonia, Latvia, Lithuania	Rachlew, Elizabeth	Atomic Molecular and Optics Division
Albania, Croatia, Czech Republic, Macedonia, Montenegro, Romania, Serbia, Slovakia, Slovenia	Reiffers, Marian	Condensed Matter Division, History of Physics Group
	Rossel, Christophe *President - Elect*	
Armenia, Cyprus, Greece, Israel, Turkey	Sotiriou, Sofoklis	Physics Education Division, Environmental Physics Division

HIGHLIGHTS FROM 2014

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 UNESCO and adopted by acclamation by the UN General Assembly. In addition to political sponsorship from countries around the world, the international scientific community brings grass roots 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, as 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 revolutionise the 21st century as electronics did in the 20th century.

The Opening Ceremony of the International Year of Light took place in Paris on 19-20 January 2015 at the Headquarters of UNESCO. This two-day event gathered over 1,000 participants comprising international diplomats and decision-makers, Nobel laureates, CEOs, and science and industry leaders from across the globe. The Opening Ceremony presented many of the activities of national and international scope that will raise awareness of the importance of light and light-based technologies in many key areas such as efficient lighting, sustainable energy, transportation, communications and healthcare. Recent advances in the science of light and photonics, as well as contributions to society were addressed during the Plenary Lectures delivered by Nobel Laureates, Ahmed Zewail, Steven Chu, Zhores Alferov, William Philips and Serge Haroche. John Dudley, President of the European Physical Society and chair of the IYL Global Steering Committee, pointed out the importance of the IYL 2015 to the optics and photonics community as a means to communicate the importance of the technologies in everyone's lives. "We only get one chance," he said "It is nice to celebrate but we need to get to work as well."

▸ **For more information, please see: www.light2015.org**

INSPIRING SCIENCE EDUCATION

inspiring SCIENCE education

Inspiring Science Education (Inspire) is an EU funded project which began 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.

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.

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 help them find ways to make their teaching of science more inspirational. 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.

▸ **For more information, please see:**
www.inspiring-science-education.net

TOWARDS THE INTEGRATION OF THE PHYSICS COMMUNITY IN CEI COUNTRIES INTO THE EUROPEAN RESEARCH AREA (ERA) ENERGY CONFERENCE

The European Physical Society - Committee of European Integration, together with the International Centre of Theoretical Physics (ICTP), UNESCO Office Venice, the South Eastern European Network in Mathematical and Theoretical Physics (SEENET-MTP) are partners in a project **"Towards the integration of the physics community in CEI countries into the ERA".** The consortium has received a grant to examine the performance of researchers in the Balkan region and explore ways to increase their success rate.

The project will bring together scientists from Balkan and Central Europe and identify partners in other areas of Europe. The project involves EU officials and science policy experts, to establish a strategic partnership between leading scientific institutions and researchers from South-Eastern, Central-East and Western European countries. The main aim is to consider concrete calls and forthcoming calls for joint projects in physics, sciences and education.

The project will establish a strategic partnership between leading scientific institutions and researchers from SE-CE and European countries and to identify specific actions and to prepare joint applications to Horizon 2020 Programme and similar European Programmes. Three workshops were organised in 2014:

- **Workshop in Bucharest,**
  25 – 27 May 2014
  "*Widening Participation of CEI Countries in the EU Research Programs*" – *Training-Research in Physic,*
  http://see-cei-era.seenet-mtp.info/meetings/workshop-in-bucharest/
- **Workshop in Sofia,**
  23 – 25 November 2014
  "Promotion of physics in the CEI countries and Integrating Access to Research Infrastructures in Europe"
  http://see-cei-era.seenet-mtp.info/meetings/workshop-in-sofia/
- **Workshop in Trieste**
  11-12 December 2014
  "*Workshop on Science Education Initiatives in the Balkan Countries*"
  http://see-cei-era.seenet-mtp.info/meetings/workshop-in-trieste/

LIGHT IN EUROPE 2015

LIGHT2015 PHOTONICS
DISCOVER THE POWER OF LIGHT

The International Year of Light in Europe 2015 (LIGHT2015) project is an outreach and education initiative that aims to promote the importance of photonics to young people, entrepreneurs and the general public in Europe during the International Year of Light and Light-based Technologies (IYL 2015). The project, funded as a Coordination and Support Action under Horizon 2020 and coordinated by the EPS, will leverage the tremendous visibility of IYL 2015 to ensure that the public in all member states of the EU understand and appreciate the importance that photonics has on society.

The project LIGHT2015 is structured in terms of three broad objectives:

- **Explain Photonics:** raise awareness among the public, young people and entrepreneurs of what photonics is, and how and why photonics is an essential technology of the future.
- **Inspire People:** inspire a new generation of young scientists using Photonics with hands-on training and through smartphone photonics experiments to promote the excitement of photonic science.
- **Network Europe:** strengthen networking and collaborations across societies in Europe to promote the EU as the World Hub of Photonics.

Running from January 2015 until June 2016, the project plans a full twelve months of activities overlapping with the global IYL 2015, but an additional period of six months will allow further dissemination, and will indeed build upon the interest in photonics generated in 2015 to plan additional outreach events in 2016.

The activities comprised in LIGHT2015 will include the LIGHTtalks events. These events, originating as part of the GoPhoton project, (**http://gophoton.eu/**) are a series of inspirational talks that will take place in different European cities in order to bring photonics closer to students and entrepreneurs in the local communities. A specific series of LIGHTtalks events targeted to local industry and entrepreneurs, will take place during the weekend 25-28 September 2015 to leverage on the international "100 Hours / Weekend of Light" of the global IYL 2015 programme.

The project brings together a multi-stakeholder partnership, including the EPS, the European Optical Society [EOS], the Institute of Photonics Sciences [ICFO] (Spain), the Politecnico di Milano (Italy), the National University of Ireland Galway (Ireland), Universiteit Leiden (the Netherlands), and EYESTvzw (Belgium). This Consortium assembles leading European researchers in both fundamental and applied photonics (all partners), researchers with close industry links (EOS), and EU-wide networks of outreach and education in

optical science (EPS, EOS, EYEST) and unique expertise in implementation of hands-on photonics outreach and education (Universiteit Leiden, EYESTvzw).

▸ **For more information,** please contact the LIGHT2015 Photonics Outreach Officer (**jorge.rivero@eps.org**) or look on the project website: **www.europe.light2015.org/Home.html**

HORIZONS IN PHYSICS EDUCATION

The academic network Horizons in Physics Education [HOPE] was launched in October 2013. This three-year project is supported by the Life Long Learning Programme of the European Union. It is the 6th thematic network in physics education in a series of networks beginning in 1995 with European Physics Education Network [EUPEN].

HOPE is the de facto successor to EUPEN (established 1995) and the subsequent Stake-holders Tune European Physics Studies [STEPS] (2005-08) and STEPS TWO (2008-11) projects. Among other activities, these investigated new teaching methods and student centred learning, graduate skills sought by industry, physics teacher training and their low numbers in some countries, and novel degree courses. The new project is designed to capitalise on the previous success and will concentrate on the heart of the problem - the physics student - via inspiration in schools, recruitment to university and competences for employment.

Objectives

HOPE's ultimate goal is to enhance the impact of physics on the European economy and its visibility and consequence in society in general. Since the project is promoted by academic institutions, there are four interlinked aims which form the basis of the work programme:

- **Inspiring Young People to Study Physics:** to investigate and report on the factors that influence young people to choose study physics
- **New Competences for Physics Graduates – Fostering Innovation and Entrepreneurship:** to recommend ways by which physics degrees can be enhanced so that the competences of graduates enable them better to contribute more effectively to new needs of the European economy and society, particularly through innovation and entrepreneurship
- **Improvements in Physics Teaching – Meeting Future Global Challenges in Physics Higher Education:** to improve the effectiveness and attractiveness of physics teaching in Europe's university physics departments to help ensure their competitiveness in the global study environment.
- **Improvements in the Training and Supply of Physics School Teachers:** to recommend strategies for increasing the supply of well-trained physics school teachers and to enhance the role of university physics departments in helping the teaching of physics in schools.

The project

The 71 full partners are from 31 countries of the European Union along with Norway, Serbia, Switzerland and Turkey; they comprise 65 academic partners and 6 non-academic partners including the European Physical Society. The consortium is further enriched by 10 associated partners including the Institute of Physics, the American Physical Society, IBM Zurich Laboratory, the Groupe International de Recherche sur l'Enseignement de la Physique [GIREP], and various universities in both North and South America.

HOPE is coordinated by Nadine Witkowski (Pierre et Marie Curie, Paris, France), Marisa Michelini (Udine, Italy) and Ivan Ruddock (Strathclyde, Glasgow, United Kingdom).

HOPE network

Lifelong Learning Programme

▸ **For more information, please see: www.hope-network.eu**

HISTORIC SITES PROGRAMME

The Historic Sites Programme was started at the end of 2011. It was established to celebrate places around Europe that are of significance to physics and its history. Places (laboratories, buildings, institutions, universities, towns, *etc.*) associated with an event, discovery, research or body of work, by one or more individuals, that made important, contributions to physics. This includes places where instruments and/or apparatus were designed making significant contributions to physics and research. The programme is overseen by the Historic Sites Committee, whose current members are Alan Chodos (representing the American Physical Society, APS), Luisa Cifarelli (Chair), Martin Huber, Maciej Kolwas, Ove Poulsen, Peter Maria Schuster, Fritz Wagner. Observer: Antigone Marino (EPS Young Minds).

The success of the programme lies in its bottom up nature and allows interested individuals to propose potential Historic Sites through an online form. Counting the nominations through February 2015, the EPS has received 45 proposals for Historic Sites, either spontaneous or channelled through National Member Societies. The Historic Sites Committee typically reviews applications 3 times a year.

A full list of Historic Sites is provided in the report of the Historic Sites Committee. The year 2014 saw a total of 5 new Historic Sites inaugurated:

- The European Birthplace of the Atomic Timekeeping, *NPL, Teddington, UK, 31 January 2014*
- The Blackett Laboratory, *London, UK, 30 April 2014*
- The Fabra Observatory, *Barcelona, Spain, 9 May 2014*
- The Study of Georgi Nadjakov, *Sofia, Bulgaria, 23 May 2014*
- The Synchro-Cyclotron, SC – *CERN, Geneva, Switzerland, 19 June 2014* ■

Gerd Leuchs and **Colin Latimer,** EPS Honorary Treasurers

FINANCIAL REPORT 2014

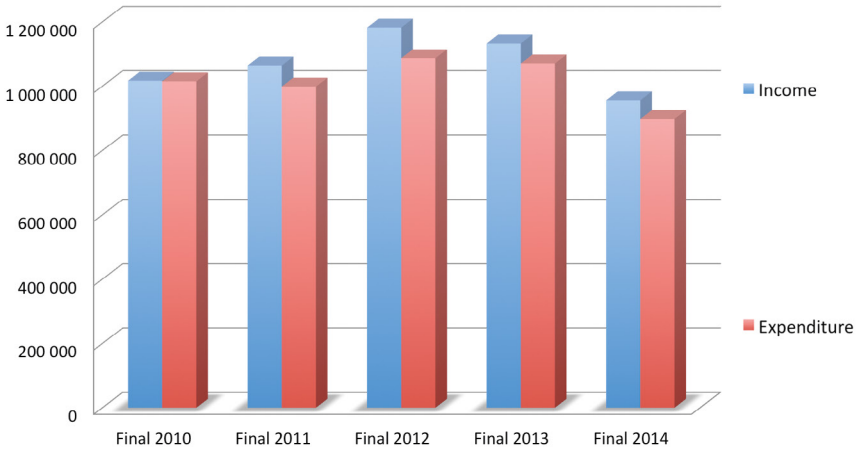
The income for 2014 was Euro 956,096, 65% from Members, 28% from publication activities and 8% from conferences and other activities. The expenditure for 2014 was Euro 898,021, 41.7% for administration and governance, and 58.3% for activities. The outcome for the year was an excess of Euro 58,075.

Income was 5.5% less than budgeted. Income from Individual Members decreased, as the special offer for conference participants to become Individual Members in 2013 did not have any lasting impact. Moreover, income from conference services was also less than budgeted. Income from conference services normally fluctuates on a 2 year cycle. The EPS has been able to mitigate this fluctuation since 2010, with the organisation of the conferences notably of ICN+T and Ultrafast Phenomenon, which was not the case in 2014. It should be noted however that the carry forward of Euro 35,000 was not used and will be placed in Society reserves.

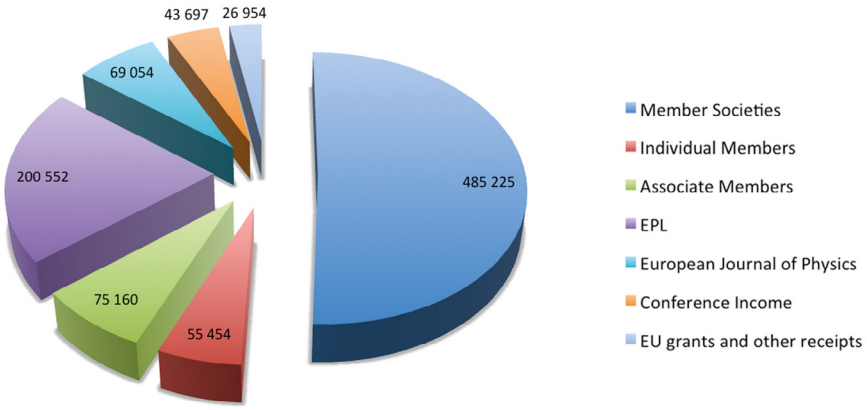
The decreased revenue in 2014 was to some degree anticipated, and plans had already been put in place to decrease expenditure in order to ensure available funds to support the office in Brussels. Notable decreases in expenditure are Europhysics News (-10%), Physics Education (-25%) and European Relations (-70%). For the latter, much of the activity for European and International relations was subsumed in activities related to the International Year of Light 2015.

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. ■

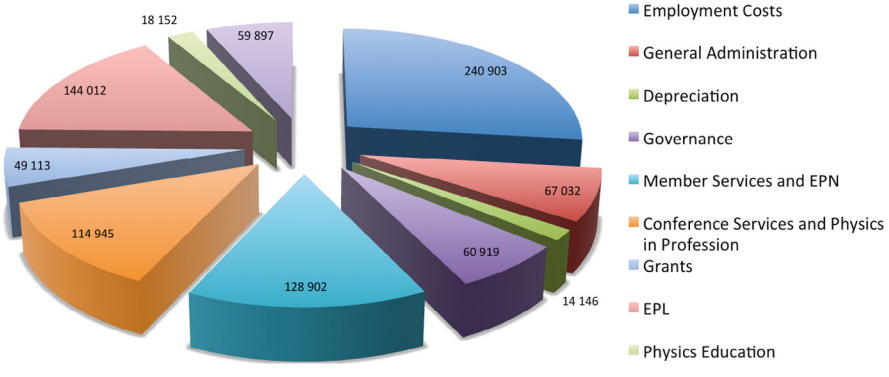
Income and Expenditure 2010-2014 (in €)



Income 2014 (in €)



Expenditure 2014 (in €)



SECRETARIAT

The Secretariat of the European Physical Society is headquartered on the campus of the Université de Haute Alsace, in Mulhouse, France. Staffing fluctuated throughout the year, linked mainly to conference activity, some natural staff turnover, and increase in activity related to the International Year of Light 2015. At the end of 2014, the EPS employed 11.4 FTE, in 4 main areas: Core Secretariat (5.4); Conference Services (2), International Year of Light (1) and the EPL Editorial Office (3). 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 2014, the EPS Conference Services Department organised the Europhoton Conference in Neuchatel (CH)), and provided registration and fee management services for the European Solar Physics Meeting in Dublin (IE).

EPS headquarters in Mulhouse also houses the EPL editorial office: the staff editor, as well as 2 editorial assistants. In 2014, the EPS Editorial Office handled 2,103 manuscripts. The median time from reception to decision was 73 days in 2014. ■

▼ **Top:** F. Burr, S. Loskill, D. Lee, G. Gunaratnam - **Middle:** P. Padovani, X. de Araujo, P. Helfenstein, A. Ouarab - **Bottom:** J.G. Rivero González, S. Fila, O. Fornari, T. Dangelser,

ACTION COMMITTEES REPORTS 2014

CONFERENCE COMMITTEE

Chair: Colin Latimer

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, Co-Chair), Dominique Vernhet (Co-Chair), Ophelia Fornari (Secretary), Goran Djordjevic (Chair CEI), Jo Lister (Chair EOC), Jef Ongena (Chair EPS Energy Group), Marian Reiffers (EPS ExCom). Gerd Leuchs, the incoming EPS Honorary Treasurer joined the Committee during the year.

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

Conferences

In 2014 there were 12 Europhysics and 23 EPS Sponsored conferences. The largest conference organised by the EPS Conference department was EUROPHOTON, Lausanne, Switzerland (with participants from over 30 countries). In addition a successful Forum Physics & Society meeting was organised and the 14th European Solar Physics Meeting received substantial organisational support.

Conference Grants: the EPS makes grants available to the organisers of Europhysics conferences to allow the participation of young scientists in their meeting. Per conference a maximum of 3 grants of 350 € each can be distributed. In 2014, grants totalling 7600 euros were distributed

IM Travel Grants: the EPS makes grants available to Individual Members (IMs) of the EPS to allow the participation in an EPS recognised (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. 14 such grants were distributed in 2014.

Invited Speaker Grants: the EPS makes grants, of 500 € each, available to conferences organised by EPS Divisions and Groups (Europhysics conferences and schools) to cover costs of invited speakers. 6 grants were distributed in 2014.

EPS Poster Prize: grants, of 200 € each, are available to EPS Europhysics conferences for a poster prize, to make an award to a student who has presented the best poster at the conference. 18 prizes were awarded in 2014

▸ **Further information on EPS conferences and grants, including application procedures, is available on the EPS website (www.eps.org).**

HISTORIC SITES COMMITTEE

Chair: Luisa Cifarelli

The Historic Sites (HS) Committee was created at the end of 2011. The current members of the EPS HS Committee are: Alan Chodos (representing the American Physical Society, APS), Luisa Cifarelli (Chair), Martin Huber, Maciej Kolwas, Ove Poulsen, Peter Maria Schuster, Fritz Wagner. Observer: Antigone Marino (EPS YM).

Until 28 February 2015, 45 proposals of Historic Sites were received, either spontaneous or channelled through National Member Societies. Let us recall that 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.

Until 31 December 2014, 41 proposals of EPS Historic Sites were accepted and concern the following 19 Countries (one of them outside geographical Europe):

Austria, Belgium, Bulgaria, Czech Republic, Denmark, France, Germany, Hungary, Italy, India, The Netherlands, Poland, Portugal, Russia, Serbia, Spain, Sweden, Switzerland, United Kingdom.

Until 28 February 2015, 19 EPS Historic Sites have been inaugurated in 13 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.*
- The European Birthplace of the Atomic Timekeeping – NPL, *Teddington, UK, 31 January 2014*
- The Blackett Laboratory, *London, UK, 30 April 2014*
- The Fabra Observatory, *Barcelona, Spain, 9 May 2014*
- The Study of Georgi Nadjakov, *Sofia, Bulgaria, 23 May 2014*
- The Synchro-Cyclotron, SC – CERN, *Geneva, Switzerland, 19 June 2014*
- The Kamerlingh Onnes Laboratory and Lorentz Institute, *Leiden, The Netherlands, 9 February 2015.*

Already scheduled inaugurations in 2015, in 8 different countries (3 of which other than the above), are the following:

- The Milan Milankovic Climate Research Centre, *Belgrade, Serbia (already declared on 3 October 2014, inauguration date t.b.d.)*
- The Hungarian Lutheran Church, *Budapest, Hungary (23 April 2015)*
- The Ludwig Maximilian University, *Munich, Germany (6 May 2015)*
- The Institute for Radium Research, *Vienna, Austria (28 May 2015)*
- The Mount Vesuvius Observatory, Hercolaneum, *Naples, Italy (Spring-Summer 2015)*
- The Students Residence, *Madrid, Spain (Spring-Summer 2015)*
- The Einstein House, *Bern, Switzerland, as Joint APS-EPS Historic Site (September 2015)*
- The Hotel Métropole, *Brussels, Belgium (October 2015)*

For each inauguration event, a plaque is unveiled in the presence of the local representatives and authorities. The EPS President or his representative (Past President or Member of the EPS Executive Committee or Member of the EPS HS Committee) attends the ceremony. For each ceremony, a news is published right away in the electronic newsletter e-EPS and on the EPS web site, and an extended article is published afterwards in EPN. So far, this initiative has been a series of success stories: while stamping significant places for the history and the progress of physics, it provides visibility to physics and to the physics community and, at the same time, enhances some spirit of belonging to the EPS. The EPS Historic Sites Committee strongly recommends the continuation of this initiative.

DISTINCTIONS AND AWARDS COMMITTEE

Chair: Martial Ducloy

This newly created committee will examine in the coming year EPS awards and distinctions, including Honorary Members, Fellows and recipients of the Gero Thomas Medal. It will advise the Executive Committee on awards by EPS Divisions and Groups, as well as on proposals for new awards.

EQUAL OPPORTUNITIES COMMITTEE

Chair: Lucia di Ciaccio, Jo Lister

The Equal Opportunities Committee (EOC) looks at possible barriers contributing to the under-representation of women in physics with the mission of promoting a more equitable gender balance in the field.

The attribution of the EPS Emmy Noether Distinction for Women in Physics is one of the tools that the EOC has in hand in order to accomplish its mission.

The Distinction, named after the famous mathematician who gave ground breaking contributions to abstract algebra and theoretical physics, was established in February 2013. Its aim is to highlight noteworthy women physicists and their role models in inspiring young generations of women physicists to pursue a scientific career.

As in the previous year, in 2014 two calls for nominations were issued the first in Spring, the second in Autumn. A selection committee appointed by the EOC examined the nominations and made proposals.

The 2014 laureates for the Emmy Noether Distinction were:

- **Dr. Rumiana Dimova** from Max Planck Institute of Colloids and Interfaces in Potsdam, Germany for her distinguished contributions to membrane biophysics, and the pioneering use of new experimental techniques.
- **Prof. Anne L'Huillier** from the Faculty of Engineering of Lund in Sweden, for playing a key role in a field at the interface of atomic and molecular physics and advanced optics, nonlinear optics and laser physics.

One of the other actions under consideration in 2015 in order to enhance the recognition of the activities of women physicists and at the same time to attract women to a career in physics is to prepare and publish short portraits of young researchers women in EPS journals.

COMMITTEE ON EUROPEAN INTEGRATION

Chair: G. Djordjevic

The activities of the CEI are summarised in the highlights for 2014.

FORUM PHYSICS AND SOCIETY

Chair: Averill Macdonald

Main Achievements of 2014 of the Forum Physics and Society in 2014:

- The FPS Board ratified new terms of reference for the forum.

- The Board organised the VI Forum Meeting in Belgrade 2 – 4 October 2014. The main recommendations from the workshop are provided below.

In 2015, the board agreed that the outgoing Forum members will be retained for their input as an Expert Advisory Group. The FPS will also develop roles and responsibilities for board members, develop the FPS website and begin planning VII Forum for Autumn 2016.

Report on VI Forum Belgrade 2014

The VI Forum meeting, attended by ~ 40 delegates, focused on improving the image of physics. The full report and presentations can be found on the website: **www.forumphysicsandsociety.org**.

The main conclusions of the meeting are that improving the image of physics will:

- Increase the support for physics research funding through increased appreciation of physics among the public and politicians;
- Increase the contribution of physics to the economy through increasing the number or physicists using their skills in the workforce;
- Increase the numbers wishing to study physics which will ensure sufficient students entering physics departments and therefore future skills supply to universities and businesses.

Recommendations for EPS

Enhance the status of physics teachers by:

- Instigate national awards for physics teachers with media coverage.
- Ensure teachers of physics receive a bonus/salary premium to demonstrate their value to society.

Enhance the employability of physics students by:

- Instigate national schemes of summer workplacements/internships for physics undergraduates with employers paying half of the cost in the first year moving to covering full costs in subsequent years.
- Develop a Careers in Physics initiative (including on-line information and '101 jobs in physics' posters sent out to schools) to demonstrate the range of careers available to physics qualified people with training for teachers and lecturers in understanding the careers available.

Enhance the profile of physics including greater visibility on main stream media by:

- Nominate a 'Physics Week' within the year
- Schools and universities incentivised to put on physics events
- TV and radio encouraged to cover physics events
- Festival organisers encouraged to have physics 'stalls' at events.

Undertake a scoping exercise of all the good practice examples for teaching or enhancement activities and careers or employability activities that are available in each country and publish on-line.

YOUNG MINDS

Chair: Antigone Marino

The EPS Young Minds programme encourages and supports professional skills of the next generations of physicists in Europe. Activities are carried out local student groups, called Sections.

YM Sections organise seminars, workshops and schools, carry out educational activities for schools and outreach activities, and enrich the scientific community through the implementation of national and international network collaborations.

Currently the programme has 31 Sections in 15 countries: Spain, Italy, Russia, Ireland, Germany, United Kingdom, Ukraine, France, Switzerland, Turkey, Hungary, Latvia, Lithuania, Poland and USA, with more than 400 members. The YM project supports their activities with small activity grants. The main criteria for evaluating their grant applications are professional relevance, cultural outcome, visibility and impact for EPS.

The goal was to increase from 22 to 30 Sections by the end of 2014. At the end of 2014, we had 31 sections. All YM Sections were encouraged to involve the EPS Member Society in the country. It is worth noting that YM Section were created in countries from Eastern and Central Europe: Latvia, Lithuania, and Poland joined YM.

YM Action Committee

The members of the YM Action Committee are John Dudley, Zsolt Fülöp, Christophe Rossel, David Lee, Ophélia Fornari, Antigone Marino, Ulrike Ritzmann, Enrique Sanchez , Eva Salvador Balaguer, and Bence Godo.

The action committee met once in 2014, on October the 4th, in Belgrade just after the VI EPS Forum Physics and Society, in Serbia.

YM Activity Grants

During 2014, the project funded 51 activities, submitted from 22 Sections: 40% outreach activities, 20% networking activities, 40% seminars.

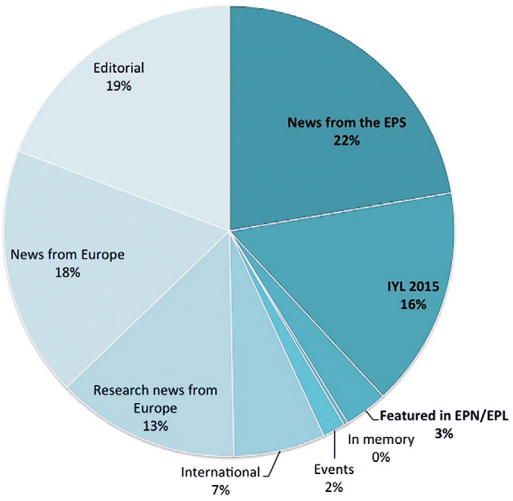
In 2014, only 10% of the requests were rejected, as they were not considered relevant in terms of the main criteria described above. A list of the activities that received grants and their outcomes are reported by the Sections on the YM website.

3rd YM Leadership Meeting

In June 2014, representatives of the EPS Young Minds sections were invited to present and discuss their activities at the 3rd Young Minds Leadership Meeting. These activities range from colloquia presenting research in physics to visits of local industry to a variety of activities sharing the fascination for physics with the public. ■

JOURNALS REPORTS 2014

E-EPS



▸ e-EPS: visits per category of most viewed articles (>100 visits). Total: 45 030 visits of 137 articles

-Editor:
A. Bracco

Technical Editor :
G. Gunaratnam

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. Readership in 2014 was over 33,000 subscribers. 12 issues of e-EPS were distributed in 2014, with 209 separate news items. The website, **www.epsnews.eu** was visited almost 74,000 times. Monthly visits to the website have remained stable, averaging a little more than 6000 per month in 2015. The 2 most visited articles in 2014 were: Getting Girls into Physics The Editorial on the International year of Light. The news section on IYL2015 is also a popular item.

EUROPHYSICS NEWS

Editor:
V.R. Velasco

Science Editor:
L. J. F. Hermans

This year has seen an important change in the publication frequency of EPN. In the 2014 EPS Council meeting it was decided to reallocate some funds to finance EPS activities in Brussels. For EPN this means that, for 2014 and 2015, the last two issues will be merged into one 48-pages issue 5&6, which saves distribution costs. Moreover, a flipbook version of EPN, compatible with computers and tablets can now be downloaded from **www.zyyne.com/widgetdoc;13732**

Other than that, 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 attractive, 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 were glad to see a decrease to 61 in 2010 and even to 54 in 2011. However, a sharp rise to 74 was 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 (except issue 5&6 where the maximum is 18). In 2014 the total number was 64, with 12 "Highlights" in issues 45/1, 45/4 and 45/5-6, and 14 "Highlights" in issues 45/2 and 45/3.

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, prizes

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. This year has seen also the appearance of a flip book pdf version with an html version that is indexed by Google. This user-friendly flip book will be available for all issues.

The EPN Editorial Advisory Board would like to thank the outgoing members Mirjana Popović-Božić and Malgorzata Nowina Konopka, whose terms had ended. As new members Laurence Ramos (FR) and Zsolt Fülöp (HU) were welcomed.

The 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. At the EPN Editorial Advisory Board meeting, held in Paris on September 27th 2014, it was decided to have a special issue devoted to IYL2015. All the features in the EPN 46/5&6, which has more pages than the other four issues, will be devoted to subjects related to the IYL2015. Prof. Luc Bergé, Chair of the Quantum Electronics and Optics Division of the EPS, will be the Guest Editor.

Several Feature topics and Opinion Column texts have provoked Letters to the Editor allowing a lively exchange of opinions and points of view.

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

- First, the Council can make suggestions for editorial policy and improvements.
- Second, each Council member can help by providing short information of lasting interest (preferably with pictures) at the wider European scope.

EPL

Editor in Chief:
Giorgio Benedek

Executive Editor:
Graeme Watt
Staff Editor :
Frédéric Burr

EPL is the flagship journal for EPS. It is a journal owned and run by 17 European physical societies published under the scientific responsibility of the EPS. The publishing partners are the EPS, the Institute of Physics Publishing, the Società Italiana di Fisica, and les EDP Sciences. The Editor in Chief, Giorgio Benedek, assisted by an editorial board comprised of over 50 top ranking physicists from around the world publishes letters that are at the frontier of physics and physics related research.

Journal Production

The total number of submissions for 2014 was 2,103 (comparable with 2,226 for 2013) with a peak in June of 209. The total number of articles published in 2014 was 788 (down from 868 in 2013) indicating a tightening of the acceptance rate to significantly below 40%. Having begun the goal of reduced the acceptance rate to a desired level below 33% a further goal is to increase the overall total submissions by greater visibility and promotion.

The strongest categories are 'mathematical methods & statistical modelling' and 'electronic structure' with almost 100 published articles each. 'Interdisciplinary topics', 'biophysics & medical physics', 'magnetism & ferroelectrics', 'quantum mechanics', and 'fluid flow & dynamics' each have more than 40 published articles.

The hybrid open access model (authors paid a single fee of €1,300 for submissions in 2014) continues to be one of the cheapest available. Open access articles are published under a Creative Commons licence and given extensive publicity and promotion. All other published articles come under a 'green' model with an embargo period of 12 months. Requests for open access publications have increased slightly: 12 in 2014 compared with 6 in both 2013 and 2012. The Editor-in-Chief may also award open access status without charge to selected articles at his discretion.

The median submission-to-online time during 2014 has been reduced further below 100 days and remains consistent at this level (submit-to-accept = 73 days; accept-to-online = 20 days). This latter reduction is primarily due to a change of external services at SIF. Fast-tracking of exceptional articles, many of which are also Editor's Choice articles, is still available.

The print run has been further reduced during 2014 to 230 copies. Print quality remains excellent (digital printing was introduced during 2013) and from 2015 costs will be further reduced by printing only 12 runs containing 2

issues each, instead of 24 single issue runs.

Random CrossChecking for misconduct did not identify any cause for concern during 2014. Of the 27 cases for appeal during the year, 7 were accepted, with 20 of the remainder directly rejected by the Editor-in-Chief or after consulting an adjudicator.

The Mutual Transfer Agreement between EPL and several EDPS and IOPP journals resulted in 50 articles (75 in 2013) rejected from EPL with recommendation to submit to a different journal. 26 of these were subsequently published, compared with 50 in 2013. The number of journals in the transfer scheme has been increased to include all those relevant in the EPJ series and several others published by IOPP.

IOPscience licences continue to replace pack and standalone purchases, with many subscribers opting for online-only access. The current total sales order of 1,191 'units' for 2014 represents subscriptions to over 2,900 institutions in over 100 countries. Several orders have not yet been fulfilled so the total is not yet complete. An exact figure is difficult to establish as packs and licences may be held by individual institutes, consortia, or countries.

Marketing & Promotion

Selected Editor's Choice summaries, regularly appear in each issue of Europhysics News, are printed as a preface to the first issue of each volume of EPL, and feature in each alternate e-EPS Newsletter. Booklets containing "Highlights of 2013" were distributed at over 200 events throughout the year, containing abstracts from many of the Editor's Choice article as well as open access, most cited, most downloaded, and other notable articles. Full text is available for download free online throughout the year. IOPP cross-journal booklets on key topics, such as 'Graphene', 'Semiconductors', 'Quantum Information' also contain relevant EPL material and are displayed at events. Material is becoming more frequently sent to Co-Editors for distribution at events they attend or organise. The Highlights of 2014 booklet is nearing completion for circulation this year.

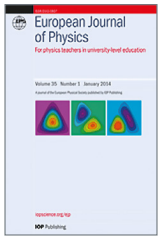
The total downloads for 2014 reached 542,774 (up from 538,374 in 2013). The number of different articles downloaded was 780 with a median download per article of 123 (127 in 2013). This is indicative of the high quality of the publications. Downloads were dominated by 33% to Asia (of which 50% is to China); 21% to Western Europe; 18% to North America. The Asian percentage dropped from, 38% in 2013 possibly due to the removal of the 30-day 'free-to-read' period in late 2013. The number of downloads to unregistered addresses (non-institutes, mobile laptops, home networks, *etc.*) has increased from 12% to 14% and continues to rise.

The number of new online compilations continues to increase, older ones with updated content. Significant additions include – Casimir forces; Biophysics and Medical Physics; Glasses; Ultra-cold Matter; Gravitation & Relativity; and Semiconductors.

Quarterly newsletters are emailed to thousands of recipients targeted for their interest in the content. These mailshots highlight specific published articles, sponsored award winners, short biographies of a few Co-Editors, forthcoming events where EPL may be present, and links to recent compilation topics. Marketing campaigns use email marketing, social media (Twitter), Google Adwords, printed material, online promotions as well as a presence at a multitude of conferences.

Financial support/sponsorship increased in 2014 to over €22,000 was awarded at 25 events to over 66 fortunate young researchers. Support was provided either as awards to individuals for best poster/oral presentations or as general conference support to cover travel, subsistence or registration costs. EPL visibility is strong with a logo placed on the conference website (linked to the EPL homepage) and often included on material in delegate packs. Requests for sponsorship are on the increase although a limit is now placed on the total sum available.

EUROPEAN JOURNAL OF PHYSICS (EJP)



Editor
M. Vollmer

Executive Publisher
Kerry Hopkins

IOP Publishing is delighted to report to the Council another very successful year in 2014 for European Journal of Physics (EJP). With innovations in commissioning article types, positive changes to the editorial board and an increased focus on strategic development of the journal – all of which will continue in 2015 - we can report an increase in quality submissions to the journal and a significant increase in downloads.

Editorial activity

Professor Michael Vollmer was appointed editor-in-chief of the journal from September 2014 taking over from Professor Jan Mostowski, who has kindly agreed to extend his tenure by continuing to serve on the editorial board. Professor Vollmer brings a wealth of knowledge, expertise and enthusiasm to the role and is integral to the development plans for the journal. New appointments to the board in 2014 are Professor Eugenia Etkina (Rutgers University, USA), Professor Cedric Linder (Uppsala University, Sweden) and Professor Kasper van Wijk (University of Auckland, New Zealand). These valuable appointments greatly extend the range of our subject specialisms

and our focus and contacts in key target regions.

Additionally, we are innovating in article types – 2015 will see the introduction into the journal of a 'physics education research' section and we are commissioning a series of articles for 2015 and 2016 aimed at capturing the latest research and ideas around hot topics in physics and physics education. Finally a new series of physics education related reviews of selected topics has been initiated.

Submissions and acceptances for 2014 reflect the strong performance of the journal – the increase in submissions is encouraging, especially when balanced out by our focus on accepting only the highest quality articles.

Download figures reflect a similar pleasing trend and are an example of the dynamic effect press-releasing articles can have on their usage.

In conclusion

The European Journal of Physics is well-placed to build on the success of 2014 in 2015 and beyond. We have a clear, coherent development strategy for the journal focussed on obtaining quality, targeted content from authors who are acknowledged experts in their field and a strong and committed editorial board to deliver these outcomes.

	Submissions (by received year)						Acceptances (by final decision year)					
Article Type	2009	2010	2011	2012	2013	2014	2009	2010	2011	2012	2013	2014
Papers	519	638	665	731	712	738	142	144	140	164	146	143
Letters	57	48	31	32	42	34	17	9	6	5	6	4
Featured / Symposia	7	5	2	2	13	9	11	3	3	3	13	4
Other	21	16	25	22	11	12	17	10	17	17	7	5
Total	**604**	**707**	**723**	**787**	**778**	**793**	**187**	**166**	**166**	**189**	**172**	**156**

▲ Submissions and acceptances for 2014

Article Title	Article ID	Volume	Issue	Online Publication Date	Full-Text
On the performance of Usain Bolt in the 100 160m sprint	0143-0807/34/5/1227	34	5	25/07/2013	7,771
Report and recommendations on multimedia materials for teaching and learning electricity and magnetism	0143-0807/34/3/L47	34	3	09/04/2013	7,695
Reflection from a moving mirror 8212;a simple derivation using the photon model of light	0143-0807/34/1/L1	34	1	28/11/2012	2,086
The physics of articulated toys 8212;a jumping and rotating kangaroo	0143-0807/35/4/045018	35	4	05/06/2014	1,983
Derivation of the harmonic oscillator propagator using the Feynman path integral and recursive relations	0143-0807/34/3/777	34	3	08/04/2013	1,908
The physics of near-infrared photography	0143-0807/34/6/S51	34	6	22/10/2013	1,602
On Newton 8217;s shell theorem	0143-0807/35/2/028003	35	2	17/01/2014	1,525
Reply to Comment on 8216;An educational path for the magnetic vector potential and its physical implications’	0143-0807/35/2/028002	35	2	17/01/2014	1,448
Angry Birds realised: water balloon launcher for teaching projectile motion with drag	0143-0807/35/3/035009	35	3	10/03/2014	1,234
Quantitative model of record stratospheric freefall	0143-0807/34/4/841	34	4	22/04/2013	1,141

▲ Downloads for 2014

EPS DIVISIONS AND GROUPS

EPS has 11 Divisions, covering 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 2014

CONFERENCE	PLACE	PARTICIPANTS	DIVISION
EGAS	Lille, FR	277	Atomic, Molecular and Optical Physics
ESCAMPIG	Greifswald, DE	300	Atomic, Molecular and Optical Physics
SPIG	Belgrade, RS	200	Atomic, Molecular and Optical Physics
GIREP	Palermo, IT	200	Physics Education
Condensed Matter Division General Conference	Paris, FR	1100	Condensed Matter
Liquids 2014	Lisbon, PT	400	Condensed Matter, Liquids Section
Science and Technology at Fair Conference of the EPS Nuclear Physics Division	Worms, DE	240	Nuclear Physics
Nuclei in the Cosmos	Debrecen, HU	200	Nuclear Physics
41st Plasma Physics Conference	Berlin, DE	650	Plasma Physics
Europhoton Conference	Neuchâtel, CH	250	Quantum Electronics and Optics
European Solar Physics Meeting 14	Dublin, IE	250	Joint Solar Physics Division
Solar Flares Conference	Prague, CZ	250	Joint Solar Physics Division
IPAC'14	Dresden, DE	1150	Accelerators Group
International Conference on the History of Physics	Cambridge, UK	130	History of Physics Group
International Conference on Science and Literature	Athens, GR	60	History of Physics Group

PRIZES AWARDED IN 2014

PRIZE	LAUREATE	DIVISION
EPS Early Career Prize	Romàn Orùs	European Physical Society
EPS Early Career Prize	Ian Chapman	European Physical Society
EPS Emmy Noether Distinction for Women in Physics	Anne l'Hullier	European Physical Society
EPS Emmy Noether Distinction for Women in Physics	Rumiana Dimova	European Physical Society
The Gero Thomas Medal	Robert Lambourne	European Physical Society
The EPS Edison Volta Prize	Jean Michel Raimond	European Physical Society
EPS Europhysics Prize	Harold Y. Hwang, Jochen Mannhart and Jean-Marc Triscone	Condensed Matter Division
Lise Meitner Prize	Paolo Giubellino, Peter Braun-Munzinger, Johanna Stachel and Jürgen Schukraft	Nuclear Physics Division Division
Hannes Alfvén Prize	Patrick Mora	Plasma Physics Division
EPS Plasma Physics Innovation Prize	Christoph Hollenstein	Plasma Physics Division
EPS/IUPAP Poster Prize	Livia Casali	Plasma Physics Division
EPS/IUPAP Poster Prize	Brendan Kettle	Plasma Physics Division
EPS/IUPAP Poster Prize	Himank Anand	Plasma Physics Division
EPS/IUPAP Poster Prize	Alexandra Vallet	Plasma Physics Division
EPS-QEOD Prize for Research in Laser Science and Applications	Thomas Udem	Quantum Electronics and Optics Division
Best Student Poster	Sofia Paraskevi Moschou	Joint Solar Physics Division
Frank Sacherer Prize	Agostino Marinelli	Accelerators Group
Gersch Budker Prize	Tsumoru Shintake	Accelerators Group
Rolf Wideröe Prize	Mikael Eriksson	Accelerators Group
Best Student Poster	Eléonore Roussel	Accelerators Group
Best Student Poster	Marton Ady	
Best Student Poster	Lieselotte Obst	Accelerators Group

EPS DIVISIONS

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
- Kees van de Beek

Sections
- Liquids, Macromolecular Physics, Magnetism, Structural and Dynamical Properties of Solids
- 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.

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/

Physics Education Division

Chairman
- David Sands

Conference
- European Physics Education Conference (EPEC)

Prize
- EPS PED Secondary Teaching Award

Website
- http://education.epsdivisions.org/

Physics In Life Sciences Division

Chairman
- Felix Ritort

Conference
- under consideration

Website
- http://info.ifpan.edu.pl/DPL/

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 ///

/// Quantum Electronics And Optics Division

- Research into the Science of Light Prizes

Website
- http://qeod.epsdivisions.org/

Solar Physics Division

Chairman
- Manolis Georgoulis

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/

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

Notes

EPS GROUPS

Accelerators Group

Chairman
- Gianluigi Arduini

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

Computational Physics Group

Chairman
- Alex Hansen

Conferences
- Conference on Computational Physics
- Biennial Granad Seminars in Computational Physics

Prize
- Berni Alder CECAM prize
- 2014 Young Scientist Prize

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

Energy Group

Chairman
- Jozef Ongenar

Conference
- National Energy Group Seminar
- European Energy Conference

Website
- www.eps.org/members/group.asp?id=85229

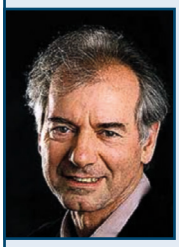
Experimental Physics Control Systems Group

Chairman
- Roland Müller

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

History Of Physics Group



Chairman
- Peter Maria Schuster

Conference
- International Conference for the History of Science

Website
- Under construction

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

Technology and Innovation Group

Chairman
- Horst Wenninger

Conference
- Technology and Innovation Workshop

Website
- Under construction

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