# EUROPEAN PHYSICAL SOCIETY ASSOCIATE MEMBERSHIP PROGRAMME



European Physical Society

more than ideas

# **OVERVIEW**

The European Physical Society (EPS) was created in 1968. Since then, with 42 member societies, EPS has been contributing to European physics in fields such as education, research, student mobility, publication and outreach. The growing importance of the European Union in developing and implementing science policy has given a new role for the EPS in representing the European physics community to several institutions including the European Parliament and the European Commission.

The EPS actively advocates research in physics and its contribution to the economic, technological, social and cultural advancement in Europe. It represents the European physics community, providing independent input into science policy issues in Europe; supports physicists throughout Europe; designs and implements programs to structure the European physics community; provides a forum to discuss common issues and share best practice; engages in activities in physics research, funding and education. EPS cooperates with international physical societies to foster international collaborations.

The EPS also has a role in connecting all European academic institutions. It plays an essential role as an interface between fundamental research, applications and industrial innovation, and awards highly prestigious prizes to outstanding researchers, many of whom go on to become Nobel Laureates.

In addition, EPS privileges many collaborations with other learned societies all over the world. The EPS also provides policy advice for European stakeholders and decision makers. It advises the highest political institutions in Europe, mentors several forums dedicated to societal challenges, decides on strategic initiatives and is involved in major EU policies on research, energy, environment, health, ethics, *etc.* To fulfil these objectives, the EPS relies on a dense network of *Community Groups* (dedicated committees in fields such as conference development and policy, distinctions & awards, equal opportunities, European integration, *etc.*) and 18 scientific **Divisions** 

and Groups covering all fields of physics and related societal issues.

The scientific excellence of European physicists is regularly promoted by EPS through targeted actions, high profile activities (such as the "International Year of Light" in 2015), world leading conferences and various electronic media (e-EPS, eps.org, etc.). To disseminate information about the Society and European Physics, EPS publishes the magazine Europhysics News (EPN), distributed to 25,000 individual physicists in Europe. A large and influential learned society like EPS of course publishes high-standard scientific journals, among which the well-known frontiers letters journal EPL, and the European Journal of Physics (EJP).

The EPS acts as a federation and umbrella organisation that brings added value and gives the vast scientific community of over 130'000 physicists it represents a coherent and powerful voice concerning research, education, scientific awareness and scientific policy. This action is facilitated by improving the links with appropriate institutions, in particular through the EPS's representation in Brussels, national governments, partner organisations and alliances. An important part of the EPS's role is to improve the engagement with the EU and its Member States in all major policy matters (research infrastructures, road maps, *etc.*). Cooperation inside and outside Europe, in particular towards less developed and scientifically-emerging countries, are reinforced by means of dedicated grant programs.

EPS maintains a governance structure consisting of the President, Council and Executive Committee. The Council is comprised of delegates from Members Societies, Individual Members, Associate Members and Divisions/Groups. The Council decides on EPS's strategy, approves budgets and financial statements. It votes for and approves the President and other Executive Committee members. The Executive Committee, chaired by the President, is in charge of the implementation of the strategy, and oversees operational matters and budget preparation through the Secretary General of EPS.

# **OPPORTUNITIES**

The European Physical Society (EPS) reaches an audience of scientists, industry leaders, decision makers and members of the public worldwide. Its Membership consists of 42 physical societies and about 40 renowned institutions. In addition, the EPS developed close, ongoing relationships with 22 international learned societies, volunteer organisations and other international bodies from many countries around the world. Besides promoting scientific excellence and offering various community services, the EPS has a strong commitment to physics education and advises EU policymakers through seminal, authoritative reports ('The importance of physics to the economy of Europe', 'Physics for Society', etc.).

Throughout the year 2015, the International Year of Light (IYL2015) highlighted to the citi-



zens of the world the importance of light and optical technologies in their lives, for their futures, and for the sustainable development of society. Endorsed by UNESCO and proclaimed by the United Nations, this event was and continues to be an exceptional opportunity to engage with leaders in diverse fields of science, technology, culture and politics, and initiate new partnerships between the scientific, public and private sectors. The European Physical Society, a major actor in IYL2015, befitted from the participation of companies, universities and research institutions in joining this unique initiative. Thanks to their support, countless applications of light technology have been brought to the knowledge of people worldwide. The International Year of Light has been a brilliant demonstration that science and industry contribute to the advancement in essential branches of our lives.

The EPS would like to continue to develop this privileged partnership between industries and academic research. This document explains the different ways in which you can both help and benefit from forthcoming EPS activities. With your involvement and support, we can look forward to tremendous events that promote and magnify physics to the world.

EPS Associate Membership is an exclusive opportunity to showcase your vision for sustainability, strategies and practices. You will benefit of a unique EPS platform to create partnerships with key stakeholders, industry insiders and leading decision makers in physics, culture, development and education. You will be able to demonstrate your support to prestigious actions during leading conferences welcoming the broadest audiences in Europe and the world's largest trade fairs in technology. You will highlight your international leadership by funding and presenting international awards to the highest-level scientists.

By joining the EPS Associate Membership Program, you will be provided with customised packages of benefits, highlighted prominently at all levels through the numerous EPS channels (award ceremonies, conferences, publications, outreach events, web advertisements, etc.), and publically acknowledged for your commitment. Becoming an EPS Associate Member will allow your society or your company to be present at the broadest and most prestigious European events related to physics, such as the famous CLEO\*/Europe – EQEC conference, which, in June 2015 in Munich, gathered representatives from UNESCO and many other countries around the world, 4 Nobel Laureates, 2000 high-level scientists and more than 30,000 visitors (engineers, CEOs, researchers etc.).

Physics offers a unique opportunity to meet new audiences, new potential partners and collaborators, as the many aspects in science, culture and technology bring together diverse participants: key personnel in universities, industry, funding agencies, regional and local authorities, governmental and international decision makers, educators, students, and volunteers.

To benefit of this opportunity, the EPS proposes three levels of Associate Membership and Sponsorship, namely,

- · The EPS 'Prestige' Sponsorship
- The EPS Sponsorship for 'Societal Challenges'
- The EPS Supporter Associate Membership

## **EPS PRESTIGE SPONSORSHIP**









From left to right: **Theodor W. Hänsch**, EPS-QEOD Prize in 2001 - 2005 Nobel Prize in Physics, **Albert Fert**, EPS-CMD Europhysics Prize in 1997 - 2007 Nobel Prize in Physics, **Eric Betzig**, Plenary Speaker at CLEO®/Europe-EQEC 2015 - 2014 Nobel Prize in Chemistry, **Serge Haroche**, EPS-QEOD Prize in 2002 - 2012 Nobel Prize in Physics.

The EPS Awardees today are the potential Nobel Laureates of tomorrow. Albert Fert, Peter Grünberg, Gerhard Ertl, Klaus von Klitzing, Andre Geim, Kostya Novoselov, Serge Haroche, Theodor Hänsch, Claude Cohen-Tannoudji, Frank Wilczek, François Englert, Peter Higgs, Gerardus 't Hooft and several other outstanding physicists all received prizes from the European Physical Society, often many years before receiving the Nobel Prize. The monetary sum remitted to a Senior EPS Laureate at a major EPS conference is typically €5,000, accompanied by a medal and/or a diploma. The cost including the organisation of the Award Ceremony and covering the recipients' expenses is about €20,000.

#### 1. EPS Prestige Sponsorship

The EPS PRESTIGE Sponsorship aims at funding the most prestigious prizes of the EPS that recognise contributions that are potentially Nobel Laureates. It is exclusive for major partners and tailored to their individual objectives and strategies.

Package is fixed at a minimum of €5,000 for a given EPS award (see Appendix).

For €15,000, an EPS Associate Member can be the exclusive sponsor of a senior Prize of an EPS Division or Group with the name of the Society associated to the award.

#### Prestige Sponsors receive the following benefits:

- **Exclusive invitation** to the Award Ceremony,
- **Present the prizes** to the awardees together with the highest scientific personalities in Europe,
- Participate to the organisation and the presentation of the Award ceremony and/or opt for a special ceremony at the Sponsor's headquarters,
- Distinction as EPS Prestige Sponsor with high-level visibility (websites, EPS conferences, promotional material, visibility at the EPS Representation in Brussels etc.),
- Reports in EPN, e-EPS & local newspapers through press releases,
- **Photo opportunities and introductions** to key members of our international network,
- **Continuous exposure** of logos and banners, informational displays, event programmes *etc.*, bringing attention and **promoting your ties** with EPS and other major partners,
- Prime seating, guaranteed participation and advance reservation for all public events,
- Prestige Sponsors become EPS Associate Members with all rights and privileges.

## **EPS SPONSOR FOR SOCIETAL CHALLENGES**

#### **Physics for Development**

Physics contributes significantly to the acquisition of knowledge and technological progress in all fields and in all countries. It can provide cheap and effective solutions to various problems: production of solar energy, monitoring of urban and rural pollution, sensors for health monitoring, providing clean water, sensors for agriculture, geophysics for natural resources, etc. The EPS Physics for Development Group promotes basic and applied research as essential for development, finds alternative solutions for training in physics, improves teaching with university practices and builds laboratory equipment in developing countries. It also provides policy input to the EU to support research, teaching, as well as start up creation and scientific entrepreneurship. The EPS Physics for Development Group offers grants for advanced schools, workshops in developing countries and travel grants to physicists from developing countries. Outstanding projects to help developing countries in applied science will also be supported through a special prize, i.e., the Physics for Development Prize.

#### **Physics Education**

Physics Education has an important role to play in today's society. An increasing effort has been devoted to improving awareness in the general public, and especially among young people in schools, of the importance of natural science in everyday life. The EPS Physics Education Division has the ambition to contribute to strengthening the perception of the physics discipline in society, to bridging the gap between school teachers and university scientists, and to help physics teachers maintain and improve the quality of their teaching. Amongst various initiatives yielding added value, the EPS Physics Education Division prize recognises the contributions to physics teaching of an individual high school teacher. It recognises work that directly affects physics students in one or more European secondary schools.

#### **Young Minds Programme**

The EPS Young Minds Programme encourages young scientists — from undergraduates to postdoctoral researchers — to develop scientific, networking and

outreach activities. The EPS Young Minds Programme offers many benefits to its members and the local communities, such as seminars and colloquia that help broaden the knowledge of the members outside their special field of interest, and prepare visits to industries and research labs that provide an outlook on the employment possibilities for recent graduates. Young Minds also proposes educational outreach programmes to local schools and communities that provide a stimulus for the next generation of scientists and increase the awareness for the importance of scientific research amongst the general public. The EPS and the affiliated EPS Member Societies supply financial support for such activities though specific granting schemes. Also, specific collaborations between the Young Minds Programme and EPS Divisions and Groups help PhD students to attend the broadest, major conferences in physics organised in Europe thanks to Travel Grants and Student Awards.

#### **Equal Opportunity**

Physics research and discoveries are important elements for innovation, and economic, social and cultural development. The quality of research and development benefits from a more equitable gender balance. The *Equal Opportunities Committee* looks at the barriers that contribute to the under-representation of women in physics. Through this committee, the EPS has established the 'Emmy Noether Distinction for Women in Physics' to bring noteworthy women physicists to the wider attention of the scientific community, policy makers and the general public, and identify role models that will help to attract women to a career in physics. The scope includes personal achievements in areas such as research, education, outreach and industry.

In addition to the above committees, the scientific Divisions and Groups of the EPS also propose actions devoted to societal applications in different fields of physics, *e.g.*, in environmental physics for sustainable development or in the scope of accelerator physics for medical applications.

The EPS Sponsorship for Societal Challenges aims at supporting issues and programmes described above. Special sponsoring is devoted to funding the activities and major prizes awarded by the EPS Physics for Development Group, Physics Education Division, the Young Minds Programme, the Equal Opportunity Committee and in connexion with societal initiatives of the EPS scientific Divisions and Groups. The cost for organising an Award Ceremony and covering the recipients' expenses is about €5,000.

#### Package is fixed at a minimum of €2,500 per year.

Half of this amount of money will be dedicated to 'the Special Activity Fund' or support for EPS 'Societal Prizes'. The 'Special Activity Fund' is a source of funding physics and society activities in the fields of physics for development, the next generation of researchers, educational challenges, entrepreneurial activities, *etc.* 

# Societal Challenges Sponsors will receive the following benefits:

- Exclusive invitation to an Award Ceremony,
- **Present the prizes** to the awardees together with the EPS representatives,
- **High-level visibility** (websites, EPS conferences, promotional material, visibility at the EPS Representation in Brussels *etc.*),
- Reports in EPN, e-EPS & local newspapers through press releases,

- **Photo opportunities and introductions** to key members of our international network,
- Continuous exposure of logos and banners, informational displays, event programmes *etc.*, bringing attention and promoting Societal Challenges Sponsors with the EPS and other major partners,
- Prime seating, guaranteed participation and advance reservation for all public events,
- Societal Challenges Sponsors become EPS Associate Members with all rights and privileges.

#### **EPS Supporter Associate Member**

The EPS's aim is to strengthen and raise the profile of physicists in Europe and to create, across all sectors of society, a greater appreciation of science and its importance in all aspects of modern life. This task has never been more important. External organisations and companies are invited to support the EPS in this work.

Organisations of all sizes in both the public and private sector are welcome to become ASSOCIATE MEMBERS (AM). Current support applies to a wide spectrum encompassing physics based industries, publishing companies, educational bodies and government research establishments. Associate Members contribute to the EPS's strategy in promoting and ensuring a greater understanding of the many ways that physics and physics education can contribute to innovation, wealth creation and the overall quality of life, as well as helping to secure

Left: *EPS Young Minds Programme*, *Liter of light France*, *Migrations Co-développement Alsace* and the University of Beni Mellal, presentation of solar kits and participation to the UN Climate Change Conference – COP22 held in Marrakech, Morocco in November 2016. Right: 7<sup>th</sup> EPS Young Minds Leadership meeting, Prague 2018.









Left: Plenary session and Right: Registration at CLEO<sup>o</sup>/ Europe-EQEC 2015.

a strong future for science in Europe. Associate Members can receive information on scientific issues and events via the EPS electronic newsletter e-EPS and the EPS magazine EuroPhysics News. They also have access to a large network of scientific and innovation experts and can participate in all EPS activities. Staff members of EPS Associate Members can join the EPS allowing attendance at EPS Europhysics conferences at reduced fees.

The EPS Supporter Associate Membership packages are designed for medium-size organisations such as professional societies, universities and museums, and small to medium enterprises.

# Supporter Package is fixed at a minimum of €1500 per year.

These funds will be used to primarily support conference organisation and promotion of specific EPS events such as European meetings between young academic researchers and potential industrial employers.

#### **Supporter Associate Membership provides:**

- **Global exposure** of the supporter's commitment to EPS events through continuous online display of the Associate Member's logo
- **Links** to the Associate Member's website on the official websites of **EPS conferences**,
- The opportunity to provide promotional material for display at these events (bags, badges, official programs etc.),

- Use the **label of "Associate Member"** for promotion of any events organised throughout the year,
- Supporter Associate Members benefit from all rights and privileges of EPS Associate Membership

#### **Benefits for all EPS Associate Members:**

- Reduced fees for staff members to become Individual members of the EPS, entitling staff members to attend EPS organised conferences at reduced rates (if available)
- Automatic subscription to the print version of EuroPhysics News (5 issues per year) sent to designated staff members,
- Presence of logos on EPS conference homepages, bags, badges and printed programmes,
- Free-of-charge publication of job offers on dedicated sites (work markets) of EPS conferences,
- · Attendance at the EPS General Meetings,
- 5 elected representatives at the EPS Council Meetings,
- 1 elected representative on the EPS Executive Committee,
- Reduced advertising rates in EPS publications (e-EPS, EuroPhysics News),
- Online access to EPJ History of Physics and the European Journal of Physics.

All EPS Associate Members are encouraged to become actively involved in EPS publications, action committees and Divisions and Groups.

#### APPENDIX 1. EPS PRESTIGE SPONSORSHIP

PRIZE NAME	PERIOD	USUAL AWARD EVENT	AWARD	EPS DIVISION & GROUP
EPS Edison-Volta Prize	every year	EPS Council	€10000, Medal, Diploma	EPS Executive Committee
EPS Europhysics Prize	every 2 years	CMD general conference	€5000, Diploma	Condensed Matter Division
EPS Prize for Research into the Science of Light	every 2 years	EPS-QEOD Conference	€2000, Certificate, Medal	Quantum Electronics and Optics Division
Hannes Alfvén Prize	every year	EPS-Plasma Physics conference	€5000, Medal, Diploma	Plasma Physics Division
High Energy and Particle Physics Prize	every 2 years	EPS-HEPP conference	€5000, Diploma	High Energy Particle Physics Division
Innovation Prize	every year	-	€3000	Plasma Physics Division
Lise Meitner Prize	every 2 years	NPD Conference	€2000, Diploma	Nuclear Physics Division
IBA Prize	every 2 years	Sponsor: IBA NPD Conference	€5000, Diploma	Nuclear Physics Division
Quantum Electronics and Optics Prize (fundamental aspects)	every 2 years	CLEO®/Europe-EQEC conference	€5000, Medal	Quantum Electronics and Optics Division
Quantum Electronics and Optics Prize (applied aspects)	every 2 years	CLEO®/Europe-EQEC conference	€5000, Medal	Quantum Electronics and Optics Division
Rolf Wideröe Prize	every 3 years	IPAC conference	No cash, Diploma	Accelerators Group
EPS - Statistical & Nonlinear Physics Prize	every year	EPS Conference on Statistical and Nonlinear Physics	€2000, Medal	Statistical and Nonlinear Physics Division

Other prizes awarded to young researchers and outstanding PhD thesis can also be supported according to the Sponsor's preferences. See for instance the EPS Division websites <a href="http://qeod.epsdivisions.org">http://qeod.epsdivisions.org</a> and <a href="http://plasma.ciemat.es/eps/">http://plasma.ciemat.es/eps/</a>.

Applications for Prestige Sponsorship will be examined for endorsement by the Divisions and Groups responsible for the prize organisation.

#### APPENDIX 2. EPS SPONSORSHIP FOR SOCIETAL CHALLENGES

PRIZE NAME	PERIOD	USUAL AWARD EVENT	AWARD	EPS COMMITTEES OR GROUP
Physics for Development Prize	every year	EPS Council	€1000-€5000, Certificate	Physics for Development Group
Physics Education Division Award for Secondary School Teaching	every 2 years	EPEC Conference	€1000, Certificate	Physics Education Division
Travel Grant Student Awards	every year	EPS-QEOD conferences	€500-1000, Certificate	QEOD Division + Young MInds
EPS Emmy Noether Distinction for Women in Physics	Twice a year	EPS conference	Diploma, Publication on EPS websites	Equal Opportunities Committee

## **APPENDIX 3. CURRENT EPS ASSOCIATE MEMBERS**

ALBA Synchrotron Barcelona, Spain	Gesellschaft für Schwerionenforschung GmbH (GSE)  Darmstadt, Germany			
AYIMI Ariaian Young Innovative Minds Institute Tehran, Iran	HELMHOLTZ-Zentrum Berlin für Materialien & Energie GmbH Berlin, Germany			
CAEN S.p.A. Viareggio, Italy	Ion Beam Applications s.a. (IBA) Ottignies-Louvain-la-Neuve, Belgium			
Commissariat à l'énergie atomique (CEA) Gif su Yvette, France	IBM Research GmbH - Zurich Research Laboratory Rüschlikon, Switzerland			
CERN Geneva, Switzerland	Instituto Nazionale di Fisica Nucleare (INFN) Padova, Italy			
Consiglio Nazionale delle Ricerche (CNR) Rome, Italy	IOFFE Institute Saint-Petersburg, Russia			
CONSORZIO RFX Padova, Italy	Institute of Plasma Physics and Laser Microfusion (IPPLM)  Warsaw, Poland			
<b>Deutsches Elektronen-Synchrotron (DESY)</b> Hamburg, Germany	Instituto Superior Tecnico (IST) Lisbon, Portugal			
<b>Donastia International Physics Center (DIPC)</b> San Sebastian, Spain	Joint Institute for Nuclear Research (JINR) Dubna, Russia			
Technical University of Denmark (DTU) Lyngby, Denmark	Laboratorio Subterraneo de CANFRANC (LSC) Canfranc-Estacion, Spain			
EDISON Spa Milay Italy	Max-Planck-Institut für Festkörperforschung Stuttgart, Germany			
EDP Sciences Les Ulis, France	Max-Planck-Institut für Plasmaphysik Garching, Germany			
EUROfusion formerly: EFDA-JET) Abingdon, United-Kingdom	Museo Storico della Fisica e Centro di Studi e Ricerche 'E. FERMI' (Centro Fermi) Rome, Italy			
European Gravitational Observatory (EGO)  Cascina PI, Italy	Nordic Institute for Theoretical Physics (NORDITA) Stockholm, Sweden			
Italian National Agency for New Technologies, Fusion and Technology for Nuclear Safety and Security Department (ENEA)  Frascati, Italy	Paul Scherrer Institut (PSI) Villegen, Switzerland			
École Polytechnique Féderal de Lausanne (EPFL) Lausanne, Switzerland	Sincrotrone Trieste ScpA Trieste, Italy			
European Space Agency (ESA) Paris, France	Scuola Internazionale Superiore di Studi Avanzati (SISSA) Trieste, Italy			
European Synchrotron Radiation Facility (ESRF) Grenoble, France	University of Geneva - Physics Section Geneva, Switzerland			
Fonds de Recherche Scientifique (FNRS -FRS) Bruxelles, Belgium	University of Zurich Zurich, Switzerland			
Foundation for Fundamental Research on Matter (FOM) Utrecht, The Netherlands				

#### **APPENDIX 4. THE EPS**

The EPS brings together learned societies, science and technology platforms, educational institutions, non-governmental and inter-governmental organisations.

Members Societies consist of **42 national physical societies** gathering 130,000 members in Europe: the Albanian Physical Society, Armenian Physical Society, Austrian Physical Society, Belarusian Physical Society, Belgian Physical Society, Union of Physicists in Bulgaria, Croatian Physical Society, Cyprus Society of Physicists, Czech Physical Society, Danish Physical Society, Estonian Physical Society, Finnish Physical Society, French Physical Society, Georgian Physical Society, German Physical Society, Hellenic Physical Society, Eötvös Lorand Physical Society, Icelandic Physical Society, Israel Physical Society, Italian Physical Society, Latvian Physical Society, Liechtenstein Scientific Society (Physical Section), Lithuanian Physical Society, Association Luxembourgeoise des Physiciens, Moldovan Physical Society, Physical Society of Montenegro, Netherlands Physical Society, Norwegian Physical Society, Polish Physical Society, Portuguese Physical Society, Society of Physicists of Macedonia, Romanian Physical Society, United Physical Society of the Russian Federation, Serbian Physical Society, Slovak Physical Society, Society of Mathematicians Physicists and Astronomers of Slovenia, Spanish Royal Physics Society, Swedish Physical Society, Swiss Physical Society, Turkish Physical Society, Ukrainian Physical Society, The Institute of Physics.

The **39 institutions that are currently Associate Members of the EPS** contribute to the development of EPS activities and policy. They are listed in Appendix 3.

In addition, EPS has bi-lateral agreements with many physics related learned societies in Europe and around the world: American Physical Society, Astronomische Gesellschaft, Australian Institute of Physics, Canadian Association of Physicists, Deutsche Bunsen-Gesellschaft für Physikalische Chemie, Deutsche Gesellschaft für Angewandte Optik (DGAO), European Optical Society, International Society for Theoretical Chemical Physics, Koninklijk Instituut van Ingenieurs, Nederlandse Astronomenclub, The Optical Society of America, Sociedad Espanola de Optica, Société Française d'Optique, Société Française des Spécialistes d'Astronomie (SFSA), Société Suisse d'Optique et de Microscopie Electronique, Chinese Physical Society, Japan Society of Applied Physics, Physical Society of Japan, Korean Physical Society, European Materials Research Society, European Association for Chemical and Molecular Sciences, Association of Asia Pacific Physical Societies.

EPS finally has 18 Divisions and Groups devoted to the different branches of physics.

# **CONTACTS AND ENQUIRIES**

Enquiries about associate membership and sponsorship should be made in the first instance to one of the following contacts:

#### **DAVID LEE**

Secretary General European Physical Society 6 rue de Frères Lumière 68200 Mulhouse, France d.lee@eps.org

#### **LUC BERGÉ**

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We welcome all requests, and our teams are ready to provide you with full information to explain the unique opportunities of the European Physical Society to valorize your action and support our most visible events.

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