

# **European Physical Society (EPS)**

## **Activities' Report - Year 2017**

### **Delegate**

Alberto Morgante

#### **1. Introduction**

The European Physical Society is a learned society, which gathers 42 national Physical Society of European countries, and whose members also include individuals and associate Members. The latter are European research Institutions that carry out research in physics like CNR. Italian associate Members (CNR, INFN, ENEA, Elettra, SISSA, Consorzio RFX, Centro Fermi, CAEN, Edison SpA) are a large fraction of the total. The mission of the Society is to promote research in physics in Europe, the knowledge of physics and the role of physics research for the advancement of Europe in social, economic, cultural and technological fields.

The society is organized in divisions, which correspond to the various fields of research in physics like: atomic and molecular and optical physics (AOMPD); condensed matter physics (CMD); Physics education (PED); Environmental Physics (EPD); gravitational physics (GPD); high energy and particle physics (HEPPD); nuclear physics (NPD); Division of physics in life sciences (DPL); plasma physics (PPD); quantum electronics and optics (QOED); European solar physics (ESPD); statistical and non linear physics (SNPD). The divisions provide advice in their specific fields of physics, help in evaluation processes related to their field of expertise and stimulate the scientific activity of the society. They organize or help organizing specific conferences. CNR is represented also in the governing boards of the divisions

#### **2. Main activities carried out by EPS during 2017 relevant for Italy and for CNR**

The activity of APS in 2017, in line with pastime actions, consisted in organizing and sponsoring physics conferences, taking part in defining educational policies in physics, in helping improving physics teaching in European schools.

#### **3. Activities carried on by Alberto Morgante within the Union during 2017 and impact on the Italian scientific community**

None, the delegate was nominated in 2018.

#### **4. Evaluation of the participation in terms of benefits and membership cost**

CNR in Italy and Europe plays a very relevant role in most of the research fields of physics identified by the EPS division with an outstanding scientific output. For this reason CNR participation to EPS is of strategic relevance both for Italy and EPS. Therefore CNR should also have a relevant role in the decision making process of the EPS policy. Due to its impact in physics research in Italy, CNR is probably the Institution that can represent best the Italian needs, requests and the interests of the Italian scientific community and more in general of the Italian society related to research in physics.

There are specific benefits that CNR receives from being a member of EPS like:

- reduced fees for CNR employees who attend EPS conferences
- free copies of "Europhysics News" and reports published by EPS committees and groups
- reduced fees for EPS journals European Journal of Physics (EJP) e Europhysics Letters (EPL)
- reduced fees to publish advertisement in Europhysics News.

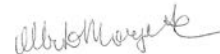
#### **5. Evaluation of Italians' attendance and how to improve interest and involvement**

CNR in Italy and Europe plays a very relevant role in most of the research fields of physics identified by the EPS division and correspondently should also have a relevant role in the decision making process of the EPS policy. To this aim in 2018 the Italian delegate will be engaged in improving the collaboration with other research institutions both Italian and European and also promote a more efficient coordination among all Italian members and specifically with CNR members, which are in the governing boards and committees of EPS to amplify the CNR and Italian influence and role in EPS. Steps will be taken also to improve the collaboration with EPS governance boards.

**6. Italian experts with important roles within the Union or within related Commissions and Programs (if known)**

Massimo Rontani (CNR Nano) CMD board  
Dino Fiorani (CNR retired) CMD board  
Ugo Besson (University Pavia) PED board  
Nicola Vittorio (University Roma Tor Vergata) PED board  
Fulvio Ricci (University of Rome La Sapienza) GPD board  
Stefano Vitale (University of Trento) GPD board  
Mauro Mezzetto (INFN Padova) HEPPD board  
Nicola Bianchi (INFN Frascati) Chair NPD board  
Nicola Colonna (INFN Bari) NPD board  
Matteo Marsili (ICTP Trieste) DPL board  
Christian Micheletti (SISSA Trieste) DPL board  
Daniela Farina (CNR IFP) PPD board  
Piero Martin (University of Padova) PPD board  
Giulio Cerullo (Politecnico Milano) Chair QEOD board  
Ilaria Ermolli (Osservatorio Astronomico Roma ) ESPD board  
Francesca zuccarello (Università Catania) ESPD board  
Guido Caldarelli (IMT Lucca) SNPDP board  
Stefano Ruffo (SISSA Trieste) SNPDP board

Signature



Trieste 11/05/2018