

Name of the Union
European Physical Society (EPS)
Activities' Report - Year 2018

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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 physics knowledge 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 field 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 on by EPS during 2018 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 2018 and impact on the Italian scientific community

Mainly initial contacts with Italian delegates in the different committees.

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 could be of strategic relevance both for Italy and EPS. Correspondently 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 possibly the institution that can represent the Italian needs, requests, interests of the Italian scientific community and more in general of the Italian society related to research and technology developments related to physical sciences.

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

- reduced fees for CNR employees who participate to 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.

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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 decision-making processes of the EPS policy. To this aim it is useful to improve the collaboration with other research institution both Italian and European and also maintain a more efficient coordination among all Italian members and specifically with CNR members that are present in the governing boards and committee of EPS to amplify the CNR and Italian influence and role in EPS.

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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) SNPD board
 Stefano Ruffo (SISSA Trieste) SNPD board

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7. If Union with CNR Commission, short summary about the 2018 CNR Commission activities

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8. Notes (if any)

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9. Conclusions

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Signature



Place and date

Trieste 20/10/2019