

# Romanian Physical Society-present and perspectives

---



## Societatea Romana de Fizica

Str. Atomistilor, 409; Cod 077125  
Magurele, jud. Ilfov, CP MG-7, ROMANIA  
Tel.: ++40-21-4042300

E-mail: [contact@srfizica.ro](mailto:contact@srfizica.ro); [www.srfizica.ro](http://www.srfizica.ro)

Dr. Mitica Dragusin

President of the Romanian Physical Society

Technical Meeting, 23 October 2017, Magurele

## Romanian Physical Society–present (1)

- ~~The Romanian Physical Society (RPS) is a representative association bringing together physicists, physics teachers and various experts engaged in physical research and media;~~
- Four subsidiaries (Bucharest, Cluj, Iasi, Timisoara);
- Four branches ( Constanta, Craiova, Pitesti, Ramnicu-Valcea);
- Ten sections: Biophysics and Medical Physics; Atomic and Molecular Physics; Energy Physics and Technical Physics; Mathematical and Computational Physics; Environmental and Terrestrial Globe Physics; Nuclear physics, elementary particles, astrophysics; Plasma Physics; Physics and Education; Condensed Matter Physics; Optics and Lasers.
- 750 members;

## Romanian Physical Society–present (2)

- RPS is member in the European Physical Society;
- RPS is member Balkan Physical Union;
- RPS coordinated the program Physics and Education:
  - Since 2011, SRF was a partner in the project “Science Curriculum Reform”-founded with 450.000 USD by Romanian American Foundation;
  - Inquiry Based Learning and training courses for more than a thousand of physics teachers at national level- methodological guide for teaching physics in lower and upper secondary-schools (grades VI-XII)

## Romanian Physical Society–present (3)

- RPS in 2015, SRF signed a partnership with the ~~Faculty of Physics, University of Bucharest~~ (National Contact Point – NCP of the European project *FP7 Scientix 2*) to help the documentation of educational projects and initiatives in Romania and organizing a national conference dedicated to STEM (Science, Technology, Engineering and Math); is member in the European Physical Society;
- In 2017, the partnership with University of Bucharest (NCP of *H2020 Scientix 3*) was renewed.

## Romanian Physical Society–present (4)

- **Olympiads and Contests**

~~-Yearly, members of SRF are directly involved in organizing local, county and national phases of the Physics Olympiads. At the National Physics Olympiad, SRF is awarding SRF certificates, prizes and medals in accordance with the International Physics Olympiad regulations.~~

-supporting and sponsoring other regional and national contests dedicated either to higher education (e.g. national physics student contest „Dragomir Hurmuzescu”), or to secondary schools (e.g. the national contest „Hands on Universe”).

## Romanian Physical Society–present (5)

### Conferences and scientific events

- RPS, either at national level or through its regional branches, is a constant partner in organizing scientific national and international conferences. Many of them have sections dedicated to education, as *Educational Physics* at the international conference TIM, section *Topics in Physics Education Research* at IBWAP (International Balkan Workshop on Applied Physics);
- RPS is involved in the organization of the 2<sup>nd</sup> edition of the National Conference of "The Community for Science Education" (<http://cnces2017.unibuc.ro/>). The conference will take place from 2-4 November 2017 in Bucharest, at the Romanian National Library.

## Romanian Physical Society–present (6)

### Science outreach events

- RPS participated at events of science outreach, one can mention “Researchers Night”, project initiated by the European Union, taking place yearly in all member and affiliated countries;
- RPS was involved to organize Year of Light „Lights of the World” (30-31 Oct 2015)

## Romanian Physical Society– perspectives (1)

- RPS will be involved to sustain :
- ***integration of experiences*** - through dialogue and collaboration between different types of stakeholders, between formal and non-formal approaches;
- ***educational experiences*** - transition models from a predominantly disciplinary curriculum to a model dynamic, integrated and flexible learning environment;
- ***integrating research and practices*** - scientific research and pedagogical research and impact on educational practices; integrating the needs, interests and challenges of different categories of stakeholders and beneficiaries.



## Romanian Physical Society– perspectives (2)

- RPS will be involved to sustain :
- *Cooperation with EPS and BPU;*
- *Cooperation with Faculty of Physics- University of Bucharest and other institutions from educational system;*
- *To enhance the quality of education at all levels;*
- *To increase the number of member of the RPS.*

Thank you for your attention



*[www.srfizica.ro](http://www.srfizica.ro)*