

Gorazd Planinšič – GIREP Medal 2018

Gorazd Planinšič is full professor at the University of Ljubljana Faculty of Mathematics and Physics.

He started his research career as experimental physicist in the field of MRI, in particular on Dynamic Nuclear Polarization imaging in weak magnetic fields. In the last 15 years he put the main effort in physics education research.

In Slovenia

Since from 2000 he is leading a teacher preparation program for secondary school physics teachers and a professional development program for in-service physics teachers.

He was one of the leading persons in high school curriculum development and in national exam committee for high-school physics in Slovenia.

He co-founded with Miha Kos the first Slovenian hands-on science centre, *The House of Experiments*.

Co-leader (2000-2006) of the INTERREG III A ITALIA- SLOVENIA, "Materials for innovation in physics education as support to pre-service and in-service teacher formation"

Conducted 3 bilateral projects (2009-2012) between Slovenia and Czech Republic on Development of knowledge and competences using ICT: physics for high schools, being leader of the team for developing content material.

He received 5 different awards in science education in Slovenia

At international level,

He launched, in 2008, with Laurence Vienot, Elena Sassi and Christian Ucke, the MUSE project (More Understanding with Simple Experiments) under the auspices of the Physics Education Division of European Physical Society.

He contribute in the framework of

- GIREP - 2002–2010: Secretary of GIREP, creating GIREP web site, recovering and publishing GIREP Newsletter, organizing the 2nd GIREP Seminar in 2006 on »Informal learning and public understanding of physics«
- EPS-PED -2012 -2015: Chair of Physics Education Division at European Physics Society (EPS) promoting a lot of initiatives on PER and on the bridge between research and praxis
- ICPE - 2011 -2017: Member of International Commission on Physics Education (ICPE) (working within IUPAP)

Looking to his scientific production we found

59 papers in ISI Journals + 39 in not referred journals

63 papers in Conference proceedings

5 university books

4 secondary school textbooks

3 popularization books

15 chapters in monographies

52 invited talk and WS in international Conferences

Gorazd is the author of more than 40 papers that describe various original experiments for teaching physics and analyze different aspects of experimental work. He is also the author of the university textbook *Active learning with experiments, mechanics and thermodynamics* for future physics teachers (in Slovene) and co-author with Eugenia Etkina and Alan Van Heuvelen of the second edition of the university textbook *College Physics* (in English).

Gorazd is a dedicated university teacher and promoter of science who is actively engaged in the physics education research community, and with his vast network opens various possibilities for young prospective and physics education researchers, and inspires them to seek the best possible understanding of physics teaching and learning.