

Dear Reader,

You scientists shape this newsletter.

This newsletter is intended for all SPS members, researchers, industries, students, interested specialists and physics friends. Feel free to share this Newsletter within your community. If you would like to share some news with us, please contact Celine.Lichtensteiger@UniGe.ch.

WHAT'S UP IN SWITZERLAND?

Beamline for Schools (BL4S)

A competition organised by CERN for all high-school students

The competition invites teams of high-school students to propose a scientific experiment that they want to perform. Because of the maintenance of CERN's accelerators, the winning experiments in 2019 will be run at [DESY](#) in Hamburg, Germany, a world-leading accelerator centre. The first prize for



the winning teams is a trip to DESY to carry out their proposed experiments at a fully-equipped accelerator beamline. There are additional prizes for shortlisted teams and certificates for all participants. Registration deadline: **31 March 2019**. [\[more\]](#)

The Marcel Benoist Science Prize

Mathematics, natural sciences or engineering

The annual Marcel Benoist Science Prize is Switzerland's most prestigious research prize. It honours scientists whose work is outstanding not only in terms of quality, innovation and originality, but also in terms of

its usefulness and relevance to human life. In 2019, the prize of CHF 250,000 will be awarded in the fields of mathematics, natural sciences or engineering. The nomination procedure is open to the entire Swiss research community. Researchers, leading members of research institutions and representatives of other public or private institutions may submit their proposals by **8 April 2019**. [\[more\]](#)



Top of Europe: excellent research at 3450 metres above sea level

At times when many European countries were sealing themselves off, Switzerland opened the internationally oriented Jungfrauoch research station. Several Nobel Prize winners have carried out research there. In 2019, the station will receive two awards as an important historical site for the natural



sciences. The European Physical Society honours the achievements in physics and the Swiss Academy of Sciences the achievements in chemistry. [\[more\]](#)

WHAT'S UP IN EUROPE?

News from EPS

The first 2019 Vladilen Letokhov Medal awarded to Prof. Dr. Ferenc Krausz

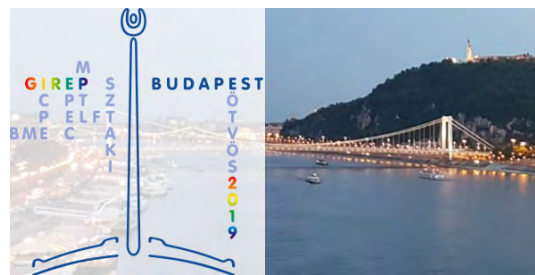
The first 2019 Vladilen Letokhov Medal, jointly presented by the European Physical Society and the Russian Academy of Sciences is awarded to Prof. Dr. Ferenc Krausz, Director of the Max Planck Institute of Quantum Optics (MPQ) and Chair for Experimental Physics Laser Physics at the Ludwig-Maximilians-Universität (LMU) Munich. The prize is awarded to Prof. Krausz "for his contribution to the development of high-field laser physics, in particular for pioneering attosecond physics, through which real-time views of electron motion in atoms, molecules, and solids have become possible". [\[more\]](#)



GIREP joint conference with ICPE-EPEC-MPTL, Budapest, Hungary, 1-5 July 2019

Teaching-learning contemporary physics, from research to practice

This conference is coinciding with the UNESCO Eötvös year on the occasion of the centenary year of his death. Roland Eötvös (1848-1919) was a Hungarian physicist, who was not only an outstanding scientist (eg. measuring the strict proportionality of the inertial and gravitational masses to a precision unprecedented before) but was also an excellent educator and reformer of the Hungarian science education system. [\[more\]](#)



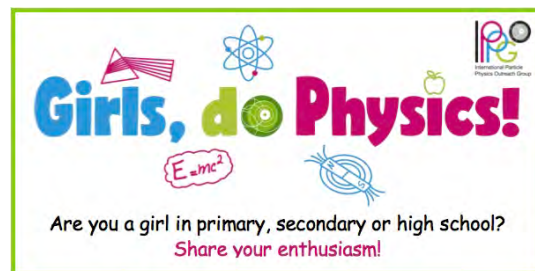
*GIREP: Groupe International de Recherche sur l'Enseignement de la Physique, International Research Group on Physics Teaching/Learning / ICPE: International Commission on Physics Education / EPEC: European Physics Education Conference / MPTL: Multimedia in Physics Teaching and Learning

WHAT'S UP IN THE WORLD?

Girls, do physics!

Campaign launched by IPPOG

On **11 February 2019**, IPPOG has launched a pilot Instagram campaign "Girls, do physics!", which aims to inspire and encourage girls from primary, secondary and high schools to expose their physics skills and maybe get inspired to pursue their studies in physics and STEM related subjects. This campaign is running between two awareness days: **11 February 2019** - UN International Day of Women and Girls in Science - and **8 March 2019** - International Women Day. Girls are encouraged to post picture or video doing physics and posts with most likes win prizes. [\[more\]](#)



International Day of Light 2019

UNESCO celebrates every year in **May** the International Day of Light to draw global awareness to the achievements of the science of light and its numerous applications. They want to encourage people from all around the world to organize events in **May 2019** that deal with the scientific-technical and/or artistic-cultural aspects of light in such a way that everyone can follow and enjoy. They offer to announce your event by uploading it on the IDL2019 calendar for best visibility.



International Day of Light

16 May

[\[more\]](#)

International Conference of Physics Students 2019 - Cologne, Germany

The International Conference of Physics Students (ICPS) is an annual meeting of physics students from all over the world and the biggest and most important event of IAPS. The conference gives students a great opportunity to share their research, to practise presenting it, to meet lots of new people, to



network with each other, and to get to know the culture and traditions of the country where it takes place. Students also have the chance to listen to lectures by leading scientists, discuss various topics in poster sessions, to visit local laboratories in the host city, and to just have fun. The next International Conference of Physics Students (ICPS 2019) will take place in Cologne, Germany, from **10 to 17 August 2019**. [Prof. Dr. Petra Rudolf](#) and [Prof. Dr. Johann-Dietrich Wörner](#) are among the invited Lecturers. [\[more\]](#)

The Swiss Physical Society (SPS) unites persons interested in physics from university, schools, research, development and industry. The SPS promotes the scientific exchange of ideas in Switzerland and with its international environment.

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