



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?

Saturday Morning Physics in Basel

Live experiments, hands-on and exciting topics from physics

The "Saturday Morning Physics" are an exciting series of events for physics enthusiasts - starting from 14 years old, taking place at the University of Basel. On Saturday

26 January 2019, Prof. Dirk Trautmann will talk about "*Geheimnisvolle Gravitation*", and on Saturday **2 February 2019**, Prof. Christoph Bruder will talk about "*Supraleitung*". Both presentations, starting at 10am, will be followed by discussions and experiments. Deadline for registration: **19 January 2019**. [\[more\]](#)



SNSF Scientific Image Competition

Get your cameras!

The SNSF Scientific Image Competition runs again in 2019, after the success of the first two editions. Over 800 entries submitted in 2017 and 2018 as well as the enthusiastic response from the public and media have shown the lively interest for scientific images.

All researchers working at a higher education institution or research centre in Switzerland are invited to send us their most spectacular images by **31 January 2019**. The competition is of particular interest to research groups that work at the microscopic scale, apply imaging techniques, use audiovisual media, work in an unusual environment or visualize data. [\[more\]](#)



Open Data: "one size fits all won't work"

Outcomes from SCNAT workshop in Bern, 29 October 2018

A general practice cannot be followed,



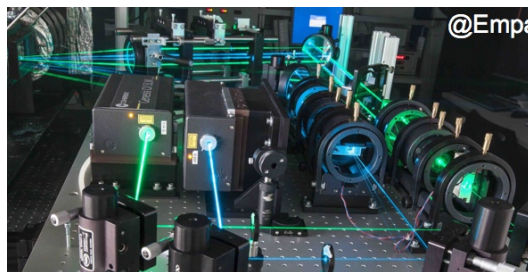
because each scientific field has its specific needs and limitations. That is one of the main outcomes of a workshop on open data and data management organised by the SCNAT in Bern on **29 October 2018**. The objectives of open data are well recognised by the scientific community, but the implementation is not trivial and brings up many questions related to intellectual property and proprietary rights as well as fairness in competition if other communities are not following the same approach. Detailed report [here](#).



Physics as Driver of Innovation

Read the report by [Bernhard Braunecker](#)

A study by SATW suggests that many Swiss SMEs are losing innovative strength. A worrying development for our country with its great industrial tradition. What can be done about this? Bernhard Braunecker, Vice President of the Swiss Physical Society and member of the Scientific Advisory Board of SATW, answers this question. [\[more\]](#)



WHAT'S UP IN EUROPE?

EPS - Gravitational Physics Division

First EPS Conference on Gravitation in Roma, 19-21 February 2019

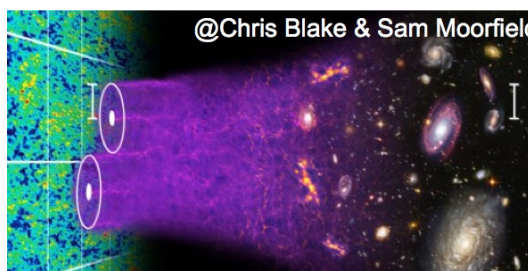
The European Physical Society (EPS) has recently created a [Gravitational Physics Division](#). As a new activity, the first EPS Conference on Gravitation will be held at the Sapienza University (Rome, Italy) from 19 to 21 February 2019. The aim of the conference is to discuss aspects of Classical and Quantum Gravity, including General Relativity tests, measurements of the G constant, Geodesy, and obviously Gravitational Waves from the experimental, theoretical and data analysis point of views, with invited speakers and contributed talks. There will also be a poster session, and four Young Scientist Awards to the best poster contributions. [\[more\]](#)



Workshop "Philosophy of Cosmology"

Technical University in Munich, 18-20 March 2019

The Working Group "Philosophy of Physics" (AGPhil) of the German Physical Society (DPG) invites submissions for its annual workshop. The AGPhil organizes a small workshop on "Philosophy of Cosmology". Contributions in this area are especially welcome, as well as on any topic in the philosophy of physics. Confirmed speakers so far are [Claus Beisbart](#) from Berne, [Richard Dawid](#) from Stockholm, [Fay Dowker](#) from Imperial College London, [Michela Massimi](#) from Edinburgh, [Casey McCoy](#) from Stockholm and [Stéphanie Ruphy](#) from Lyon. Deadline for abstract submission ([online-form](#)): **6 January 2019**. [\[more\]](#)



WHAT'S UP IN THE WORLD?

The Contemporary Physics Education Project

Apply for the CPEP Award for Excellence in Teaching Contemporary Physics

The Contemporary Physics Education Project ([CPEP](#)) is a non-profit organization of teachers, educators, and physicists located around the world. It has established the International CPEP Award for Excellence in

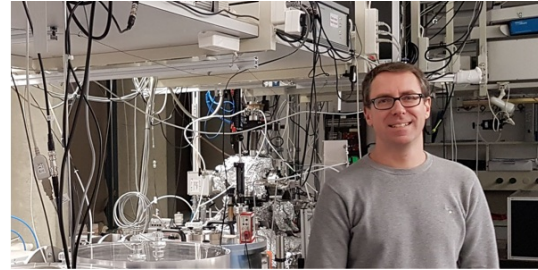


Teaching Contemporary Physics to recognize an educator working with high school or middle school students, who has made outstanding achievements in teaching contemporary physics topics. Contemporary physics topics include, but are not limited to, particle physics, nuclear physics, plasma physics, cosmology, fusion physics, and gravitational waves. [\[more\]](#)

2019 Fellow of the Optical Society of America

Congratulations to Lukas Gallmann

Lukas Gallmann, PD at ETH Zurich and acting as our SPS secretary, was elected as fellow of the Optical Society of America (OSA), a membership designation that denotes distinguished scientific accomplishment. OSA writes: "*For (his) major and sustained*



contributions to the generation of few-cycle laser pulses, their application in attosecond science and the extension of attosecond science towards condensed matter." [\[more\]](#)

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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