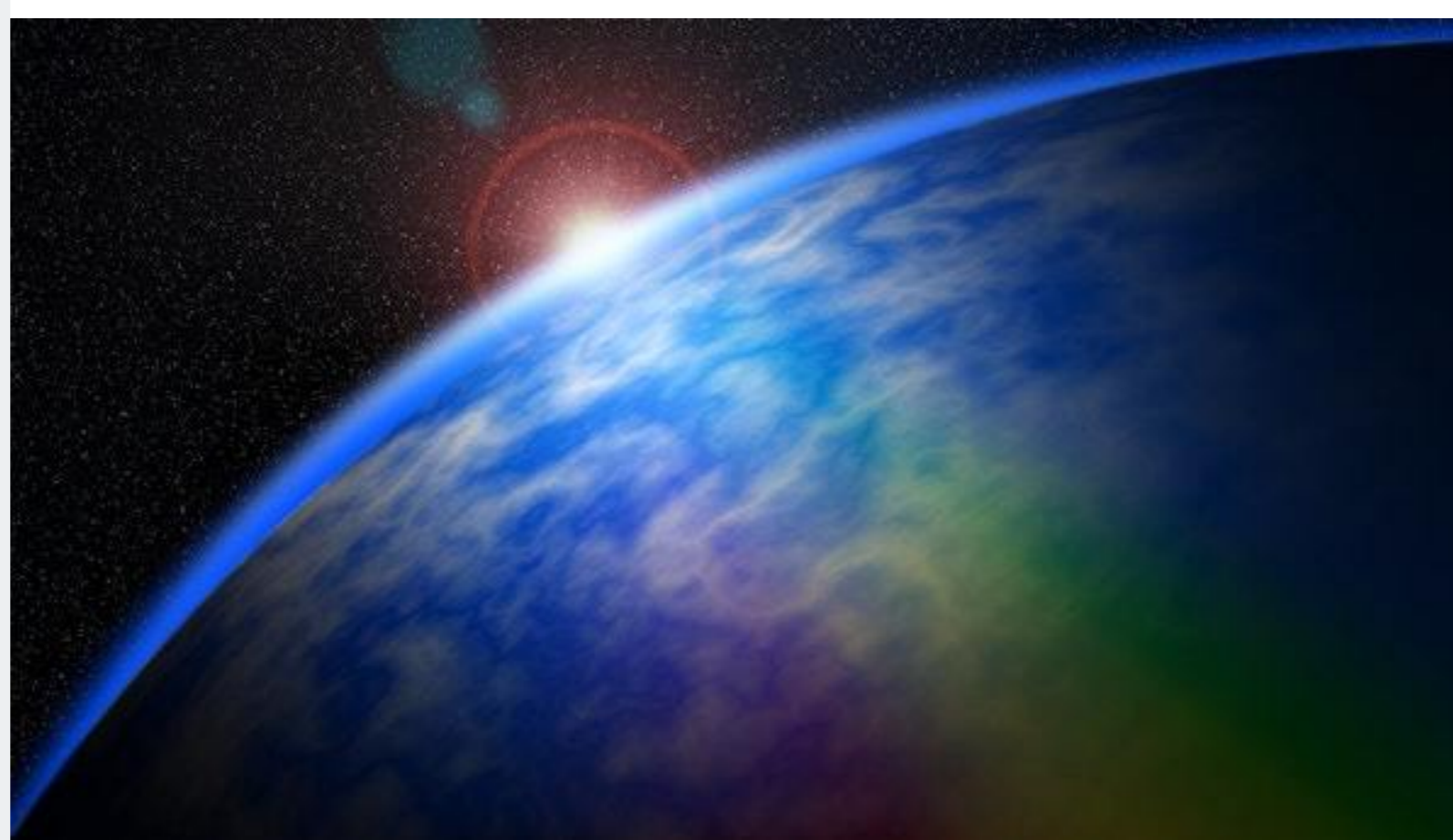


UZH Space Hub Newsletter



Dear UZH Space Hub Community

In this newsletter, you can find interesting news, events and space-related opportunities in the Swiss landscape and beyond.

Have a nice read,

UZH Space Hub Team

News

UZH is now member of USRA

We are proud to announce that the University of Zurich has been elected as new member of [USRA](#) in March 2022. The UZH Space Hub is happy to make an active contribution to space exploration in this community. The Universities Space Research Association (USRA) is a non-profit corporation chartered to advance space-related science, technology, and engineering. The eligibility criteria for USRA membership are strict, and the successful application of UZH shows, that UZH belongs to the worldwide leading institutions for research in the Space and Aviation field. Learn more about USRA membership and read below the interview with Florian Kehl, who is a former Swiss USRA Fellow and shared his experience with working with USRA.



[Read more](#)

Events

Info Events on future ESA programmes - Registration open

The Swiss Space Office (SSO) together with ESA invites to get insights into ESA's programs and future development in the view of the next ESA Ministerial Conference in 2022. Take the chance to get the newest information on the programs or a first glance on how ESA is working and how you can apply for funding. There is also the possibility to register for B2B with ESA and after the event, a SSO will collect your feedback about your interests in the different programmes and programme elements. The two last events will be held on-line. [Registration at this page.](#)

[Read more](#)

Space Café - Space Radiation Health Risks for Exploration Missions

Astronauts face many risks on long-term missions, ranging from cancer up to cognitive detriments. But how can those risks be quantified and what risks do astronauts face? These and many more questions will be answered at our next Space Café event by Dr. Cucinotta, who worked at the NASA Space Radiation Lab and led NASA's biosimetry program for the International Space Station. Professor Cucinotta is an expert in this field and has worked as a research scientist, radiological health officer for spaceflight, manager and chief scientist at the Space Radiation Research program by NASA. Join us on **May 18, 2022, at 17:00**, to learn more about the health risks that must be considered for long-term space missions. Please note that this event will only take place online and later than usual, as our speaker is joining us from the USA. Registration is free on our webpage.



[Read more](#)

Sustainability in Space

Space debris, additional satellites to be launched and space tourism show an increasing need to talk about our space environment. On Wednesday, May 18, at 12:30, our UZH Space Hub member, Andreas Losch, will talk about Space Sustainability in a *Lunch and Lecture* event organised by the Paulus Akademie and the Science Lab UZH. Please note that the event will be in German.



[Read more](#)

Opportunities

Flying Drones on Mars

Drones have enormous potential for Mars exploration in search of habitable environments above and underground. However, it is currently unknown how altered gravity conditions affect the vision-based self-motion estimation of drone operators under conditions of uncertainty. If you are interested in a semester project, a master thesis or an internship to work on this topic, look at the offer of the [Robotics and Perception Group](#)!



[Read more](#)

Digital Innovation Grants open for applications

Are you a student or researcher at UZH and do you have an idea for an impactful contribution towards our digital society? Do you have concrete ideas for a new product, service, or process that you would like to realize? Apply until June 1, 2022, for the Digital Innovation Grants, an early-stage funding support for digital innovations. It includes 10'000 CHF of funding for a 3-5 months project, expert advice by dedicated coaches and it enables activities such as the development of prototypes, market analysis, user testing and impact assessment.

[Read more](#)

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