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**University of
Zurich** ^{UZH}

UZH Space Hub

UZH Space Hub Newsletter



Dear UZH Space Hub Community

In this newsletter you will learn more about our successful 6th Swiss Parabolic Flight Campaign, upcoming events and space-related opportunities in the Swiss landscape and beyond.

Have a nice read,

UZH Space Hub Team

News

Can drones fly on other planets? Experiment in Weightlessness

How do gravity alterations change human self-motion estimation? As one of 4 research topics, this question was tackled on the 6th Swiss Parabolic Flight Campaign of the UZH Space Hub in October by Davide Scaramuzza and Christian Pfeiffer from the UZH and Leyla Khenissi from EPFL. Read more in the article "[Parabelflug: Wie Schwerelosigkeit die Wahrnehmung beeinflusst](#)", by TAGBLATT (in German only) and watch the new video about the experiment on our YouTube channel (link below).

[Watch](#)



Events

Space Café - Managing Natural Disasters with Remote Sensing Data

How can satellite data assist in case of natural disasters? Rapid mapping is a service from swisstopo for a timely provision of aerial or satellite imagery in case of natural disasters. This data is crucial to successfully document and manage such events. At our next Space Café event, two speakers from swisstopo and former students from the Department of Geography (GIUZ) will talk about the diverse applications of remote sensing data within the federal administration. Join us on **November 17, 2022, at 14.00 on Irchel Campus** to learn more!

[Read more](#)



Funding for Swiss Space Research, Innovation and Entrepreneurship

Do you have an idea that could impact space technology or you would like to exploit some space related innovations on Earth? Would you like to get an overview of funding and supporting opportunities for space research and business? Then sign up and join this event on December 6, 2022. The event is organised by the Innovation Office of the University of Bern, in collaboration with Euresearch and the ESA Business Incubator Center Switzerland.

[Read more](#)



Paris Space Week

On March 7-8, 2023, the 10th Paris Space Week (PSW) will take place. Within this event, you now have the opportunity to participate in two space challenges to give your start-up a boost. Fifteen laureates will pitch in front of top executives and thus, will get a chance to win the next Paris Space Week Innovation Challenges! The challenges are on Space Application, Sustainability and ESA Space Solutions Challenge.

You can easily apply for the 2023 Innovation Challenges by register to PSW as a start-up or supplier. Deadline for application: January 31, 2023.

[Read more](#)



Opportunities

ISSI - Johannes Geiss Fellowship

The International Space Science Institute (ISSI) in Bern, Switzerland, invites applications for the Johannes Geiss Fellowship (JGF). The fellowship was established in

2015 to attract internationally renowned scientists who will make a demonstrable contribution to the ISSI mission by pursuing ambitious independent research. Applications related to space and solar physics, solar system science, astrobiology, astronomy & astrophysics, cosmology, as well as Earth sciences from space are welcome.

The JGF provides a stipend covering travel costs and living expenses for a stay at ISSI of up to 6 months. ISSI can host fellows either for a single extended visit (e.g., during a sabbatical) or for several shorter duration stays.

[Read more](#)

Asclepios III: Call for Projects

Do you have an idea relevant to space exploration and life on the Moon? Would you like to test it on an analogue mission? Then apply for the Asclepios III. The call for projects is especially addressed to all research groups, companies, students and start-ups doing research in the field of space medicine. Key research areas include identification and assessment of medical risks in the lunar environment, nutrition in space, life support systems, sleep quality, human behavior in isolation, space physiology, microbiology and everything related to the physical and mental health of astronauts. To apply, fill in this [Google Form](#) by November 27, 2022 (23:59 CET). For more information, contact the [Asclepios team](#).

[Read more](#)



ESA Academy's Space Systems Engineering Training Course 2023

As a space system engineer, you are responsible for many areas. The support of projects from conception to delivery is one of the main key tasks. You will experience working with other disciplines to define user needs,

define requirements, and shape the final design before supporting the project through the assembly, integration, and testing phase into operation. Become part of a four-day intensive course at the ESA training center in Belgium and benefit from exciting lectures, group work and space-experienced personalities. ESA will support you with accommodation and meals on site. If you are interested and studying engineering or science related studies, apply by December 5th, 2022.

[Read more](#)



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