



UZH Space Hub Newsletter



Dear UZH Space Hub Community

The new semester is starting and we hope to have the possibility to meet you soon in person. In the meantime, in this newsletter you will find exciting news about our members' work, interesting conferences taking place online and some opportunities for startups and students. Finally, do not miss our section Meet a Space Scientist, this month you will have the possibility to learn more about Space Radiation Research.

Have a nice read,

UZH Space Hub Team

News

Studying back pain on ISS-Astronauts

Congratulations to the UZH Space Hub Member Dr. Jaap Swanenburg and his team from Balgrist University Hospital for being selected to conduct pre- and post-flight experiments with astronauts on long-duration International Space Station (ISS) missions! With this project, Dr. Jaap Swanenburg, in cooperation with Prof. Dr. Marcel Egli of the Lucerne University of Applied Sciences and Arts (HSLU), addresses back pain of astronauts during long-duration space missions.



[Read more](#)

Events



Industry Space Days 2020

The European Space Agency (ESA) is organizing the first online Industry Space Days (ISD) event, which will be held on 16 – 17 September 2020. The goal is to foster cooperation between different actors in the entire space sector. You will have the possibility to attend ESA presentations and workshops about business opportunities and future activities, and also to establish new contacts through business-to-business meetings.

[Read more](#)

ESA EO Phi Week

The ESA Earth Observation Programme annually organizes the Φ-week, an event which focuses on innovation in Earth Observation and showcases the latest achievements in Earth Observation science, technology and applications. This year the goal is to contribute to the concept of Digital Twin Earth - an AI-driven digital replica of our planet that converts the full power of AI, Earth Science and Modeling, cloud computing and Earth-scale environmental, societal and economical data into actionable insights for scientist, political and economic decision makers. The event will take place online from September 28 to October 2, 2020. Registration is possible until September 10, 2020.



[Read more](#)



INNOspace Masters – Space Moves!

Are you interested in the contribution Space can offer to sustainable infrastructures? Then attend the INNOspace Masters conference and awards ceremony, an annual innovation competition initiated by DLR Space Administration in 2015. The competition successfully promotes the development of new space technologies as well as the transfer of technologies, services and applications from space into other industries and vice versa. The conference will take place online on October 14, 2020.

[Read more](#)



American Society for Gravitational and Space Research

The annual meeting of the American Society for Gravitational and Space Research will be hosted online on November 5-6, 2020. Being the most important US conference in the space physical and life sciences, this is a great chance to join remotely.

[Read more](#)



IAF Startup Pitch Session at IAC2020

Are you an early-stage space-related or space-enabled start-up incorporated before January 1st, 2020? Would you like to present your idea in a 5 minutes pitch video at the International Astronautical Congress (IAC) 2020? Then, complete this [application form](#) and record a short video (5 minutes maximum) in English, presenting your start-up and explaining why it should be selected for IAC2020. Winning videos will be distributed in the designated IAF Space Economy Platform (ISEP) booth for start-ups as part of the Virtual Exhibition and will be available 24 hours a day throughout the event. Deadline is September 4, 2020.

[More info](#)

Asclepius Mission - Call for Projects

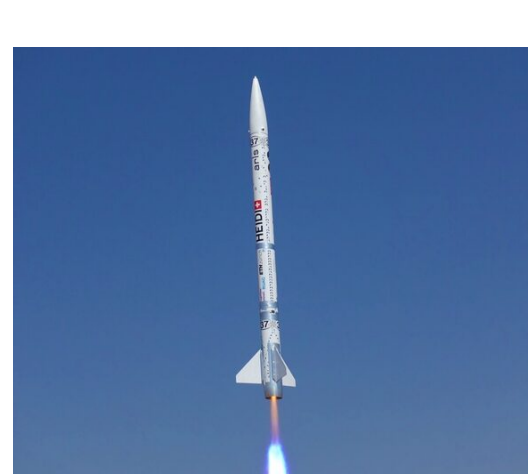
The Asclepius project is a program of analogue missions designed by students for students, under the mentorship of trained professionals. In February 2021, six students will simulate a mission on the Moon or on Mars to better prepare future space endeavors. As in the International Space Station, they will have to perform experiments all week long. For this reason the Asclepius Team is looking for projects related to space exploration or sustainability. Laboratories, start-ups, companies, students or any other organization are invited to submit their proposals until September 15.



[Read more](#)

Join ARIS in the engineering or business team

This year, the student initiative ARIS will once again design, develop and test their own sounding rocket for the Spaceport America Cup and is looking for talented and motivated students to join the engineering team or the business and management team in the upcoming two semesters. Have a look at their [open positions](#). What you can gain as a student is the unique possibility to apply the theoretical knowledge from lectures to a real hands-on project, get in contact with partners from industry and expand your network in space relations. If you are interested in contributing to this endeavor, then write a short e-mail with a motivational letter and your CV to recruiting@aris-space.ch. ARIS is looking forward to welcoming you on board!



[Read more](#)

Meet a Space Scientist

This month we have interviewed Uwe Schneider, Professor in the Medical Physics and Radiation Research at the University of Zurich. His research focuses on Space Radiation, an interdisciplinary science that includes the examination of biological effects of radiation on organisms. What are the biological damages from solar radiation and galactic cosmic rays? Can we develop radiation protection models to estimate long-term health risks for astronauts? Want to know more? Then read the full interview!



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