



ARPHYMEDES

Experiential event for ARphymedes project at the International Day of Light

As part of the International Day of Light, the International Laser Center and the Aurelium Science Center (CVTI SR) prepared an experience day about light, optics and photonics.

The event for schools and the general public took place in the Aurelium Science Experience Center on May 16, 2023 from 9:00 a.m. to 4:00 p.m.



Day of Light brought visitors interesting facts about light, photonics, lasers and human colour perception. In addition, it also brought the presentation of a new interactive aid in teaching physics.

The event consisted of a theoretical-professional and experiential part.

The lecture section on the main stage brought lectures about the world of colour and light. "Despite the fact that we use light and encounter it every day, we actually have no idea what light really is," says one of the speakers, RNDr. Dušan Chorvát, PhD.

Visitors got to know the most powerful laser in the world, which is operated by the European scientific research organization Extreme Light Infrastructure - ELI ERIC. The program on the stage also included a laser show - an audio-visual demonstration of a music-light composition using lasers and projection video-mapping.

The experiential part of the event took place directly in the hall, where visitors will be able to try out the augmented reality project in the teaching of physics.



The ARphymedes project was presented by Prof. Alžbeta Marček Chorvátová, DrSc. who is the head of the Department of Biophotonics at the International Laser Center CVTI SR in Bratislava and works pedagogically at the Faculty of Natural Sciences of the University of St. Cyril and Methodius in Trnava. "Students and teachers can try out an interactive handbook, which gives them a glimpse into the world of physics through animations and experiments displayed using augmented reality," says the project coordinator Prof. Alžbeta Marček Chorvátová, DrSc.

The world of lasers was accompanied by RNDr. Dušan Chorvát, PhD., expert in light microscopy and bioimaging. He explained to visitors the principles of light luminescence, the behavior of lasers under the water surface and other interesting phenomena.

One of the six sections in Aurelium is dedicated to the world of optics, and viewers were able to try drawing with light, for example.

The Day of Light event took place on May 16 from 9:00 a.m. to 4:00 p.m. in the premises of the Aurelium Experience Center at Bojnická 3 in Bratislava.

You can learn more about the event at www.aurelium.sk



Stay tuned for more information and news!



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