



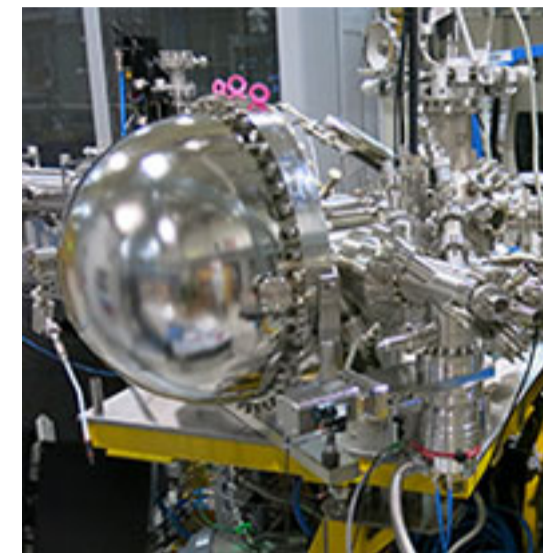
### Expansion of SOLARIS experimental hall

The SOLARIS Centre has been awarded by the Ministry of Science and Higher Education a grant for the expansion of the experimental hall. The area of the synchrotron hall will be increased by over two thousand square meters. This space will enable the construction of four new beamlines, as well as establishing a cryo-electron microscopy and sample preparation laboratories.

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### PHELIX beamline - delivery of analyzer and spin detector

On July 22, 2020, the last components of the PHELIX end station were delivered to SOLARIS. The delivery included a high-resolution hemispherical photoelectron energy analyzer and a VLEED spin detector. The PHELIX end station will be exceptional: it will allow scientists to perform circular dichroism measurements and provide direct insights into the spin texture of electron states in the same UHV system and for the same sample.


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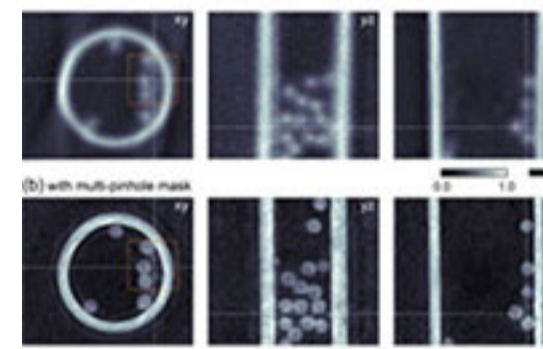

### 6th call for proposals is coming

On September 1st, 2020 the sixth SOLARIS call for proposals will be opened. Scientists from Poland and abroad are welcomed to apply for beamtime on: PEEM, XAS, UARPES and PHELIX (new!) end stations, as well as on the Titan Krios G3i cryo-electron microscope. The deadline for submitting applications will be October 1st. Accepted experiments will be performed from March to August 2021.

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### A new dimension of X-ray tomography

A novel method of X-ray tomography, developed by scientists Katarzyna Sowa and Paweł Korecki from the SOLARIS Centre and the Faculty of Physics, Astronomy and Applied Computer Science, the Jagiellonian University has been acknowledged by the prestigious Optical Society (OSA) Publishing, and the image obtained by physicists was featured as the Image of the week.


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### Contract for supply and installation of superconducting wiggler

On August 21, 2020, the SOLARIS Centre signed the contract for the supply of a superconducting wiggler, which will be the source of synchrotron radiation for the SOLCRYs beamline. The supplier of the device will be the Budker Institute of Nuclear Physics (Russia). The wiggler will shift the critical energy of the synchrotron beam to the value of about 6 keV. The energy of the photons used at the SOLCRYs beamline will be in the range of 4-25 keV.

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### SOLARIS user meeting registration under way

On July 1st, 2020 registration for „the Joint Meeting of Polish Synchrotron Radiation Society and SOLARIS Users” was opened. It will be the first SOLARIS Centre user meeting in history. Due to SARS-CoV-2 pandemic the conference will be held online on September 9-11, 2020. The conference is free of charge. The deadline for registration is September 9, 2020.


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