



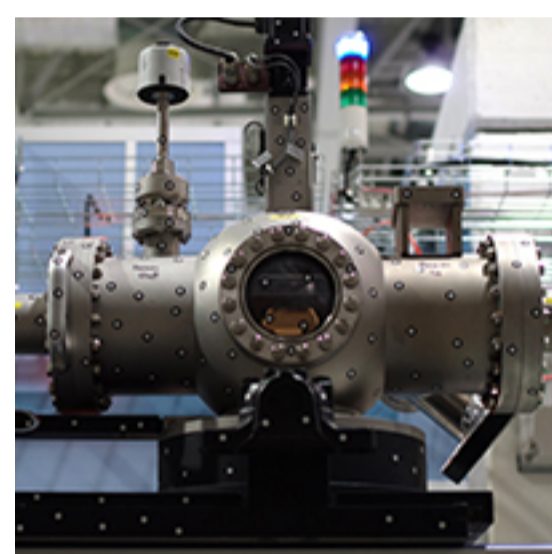
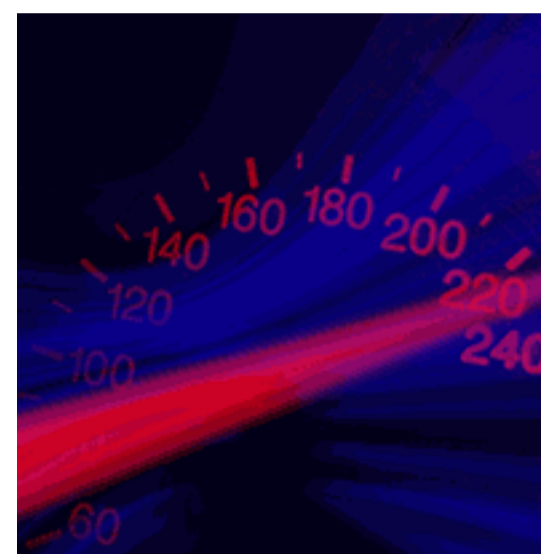
4th call for proposals summary

On 1 October 2019, the fourth SOLARIS synchrotron call for proposals was closed. In total, the SOLARIS Centre received 53 applications, including 24 for beamlines (UARPES - 9, XAS - 13, PEEM - 2) and 30 applications for a cryoelectron microscope. The majority of proposals were submitted by scientists affiliated with Polish universities and research institutions.

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Rapid access to SOLARIS beamlines

A rapid access to SOLARIS beamlines is already available. Users can apply for it when they need to quickly conduct an experiment with a potentially high scientific value or when they need to supplement the results of the experiment previously carried out at SOLARIS. The procedure is also meant for people who want to assess feasibility of planned measurements.

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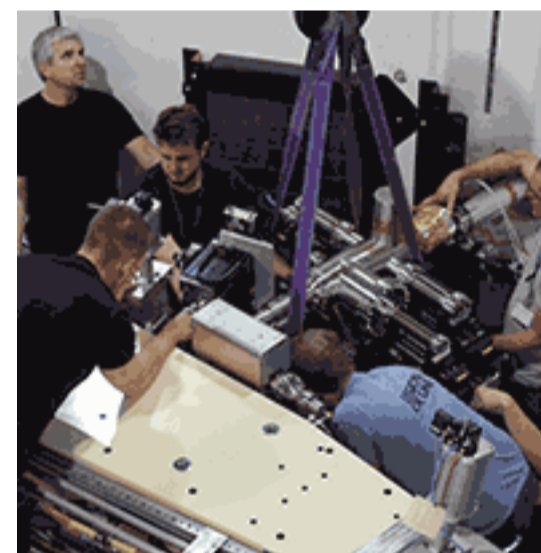
Installation of XMCD beamline

In autumn, the first orders were placed for components of an XMCD beamline end station (a scanning X-ray transmission microscope - STXM). In May 2019, the SOLARIS team installed the beamline front end in a synchrotron tunnel. In July, the team transported a photon source (an undulator) to the storage ring.

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LUMOS diagnostic beamline

The LUMOS diagnostic beamline is being prepared for launching. Beamline components were installed on a bending magnet of our synchrotron in August 2019. LUMOS will use synchrotron radiation in the visible and ultraviolet light range. This will enable systematic measurements of stability of electron beam and its transversal and longitudinal profiles.

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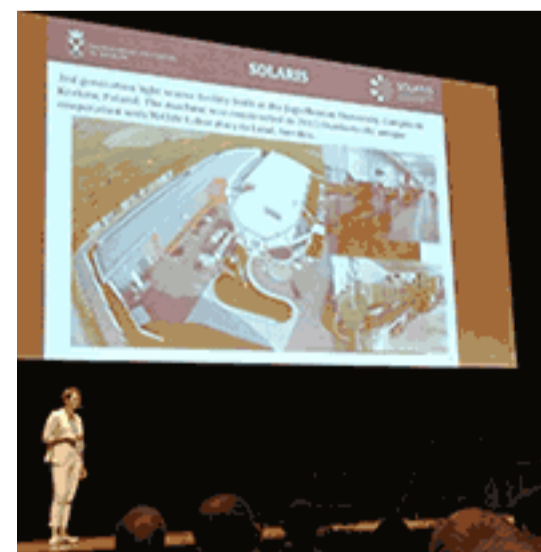
SOLARIS users' publications

An American scientific journal "ACS Nano Letters" published an article discussing the results of research on the magnetic properties of indium antimonide nanowires with an addition of manganese (InSb-Mn). Measurements were conducted at the SOLARIS Centre and at the Academic Centre for Materials and Nanotechnology of the University of Science and Technology in Kraków.

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IBIC2022 at SOLARIS

The SOLARIS Centre will organise the next International Beam Instrumentation Conference. The main venue of the meeting will be the Auditorium Maximum of the Jagiellonian University. The conference will be held in September 2022.

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