

Facility Update

First light at FinEstBeAMS

After summer shutdown, where several undulators got installed in the 1.5 GeV ring, FinEstBeAMS was the first to take light. Mid December they had light on the exit slit with ring current 3,15 mA and undulator gap of 75 mm. The beamline is funded by an Estonian and Finnish consortium, supported by the EU through the European Regional Development Fund and the Academy of Finland.



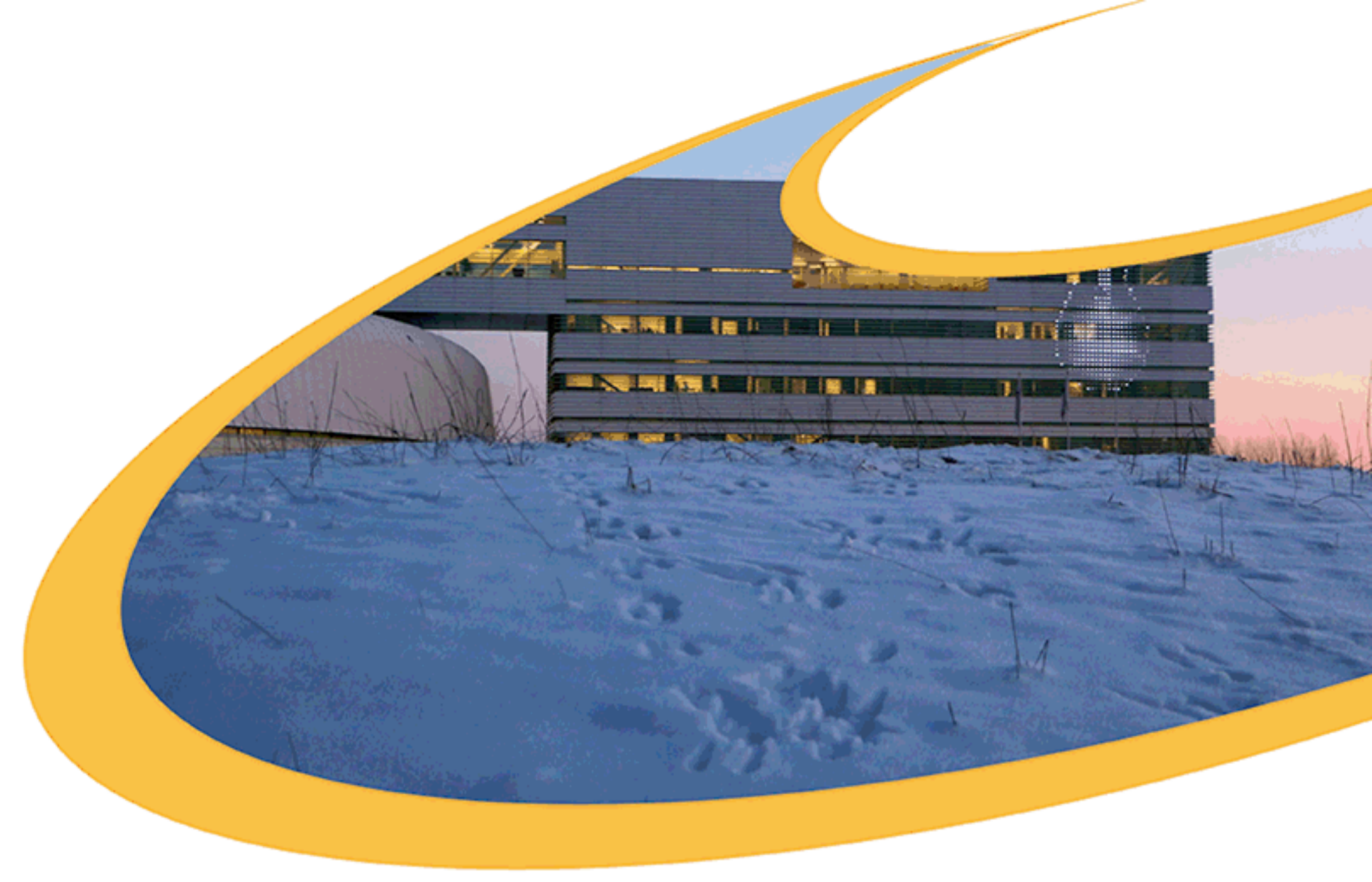
First light on exit slit of FinEstBeAMS, ring current 3.15 mA and undulator gap 75 mm.

Internationalisation

The ambition of MAX IV Laboratory is to further deepen and expand international cooperation. Through an agreement late November a Finnish consortium will provide operational funding, know-how and beamline infrastructure and in return get even more involved in the development of the facility and the science, for example through the SAC and PAC.

Ian McNulty – new Science Director

Ian McNulty is the new Physical Science Director at MAX IV and will enter his position during spring 2018. McNulty has 25 years of experience from Argonne Photon Source, Chicago, within imaging, microscopy and nano science.



First papers from MAX IV

During 2017 the first papers on experiments done at MAX IV have been published.

From NanoMAX – [First x-ray nanoimaging experiments at Nano-MAX](#) by Ulrich Vogt; Karolis Parfeniukas; Tomaš Stankevič; Sebastian Kalbfleisch; Marianne Liebi; Zdenek Matej; Alexander Björling; Gerardina Carbone; Anders Mikkelsen; Ulf Johansson – doi: 10.1117/12.2272960

From FemtoMAX – [Communication: Demonstration of a 20 ps X-ray switch based on a photoacoustic transducer](#) by A. Jarnac, X. Wang, Å. Bengtsson, C. Ekström, H. Enquist, A. Jurgilaitis, D. Kroon, A. Persson, V.-T. Pham, C.-M. Tu and J. Larsson – doi.org/10.1063/1.4993730

From BioMAX – [Introducing site-specific cysteines into nanobodies for mercury labelling allows de novo phasing of their crystal structures](#) by S. B. Hansen, N. S. Laursen, G. R. Andersen and K. R. Andersen – doi.org/10.1107/S2059798317013171

We wish you all a bright and shiny Happy New!

For more news please see www.maxiv.se

