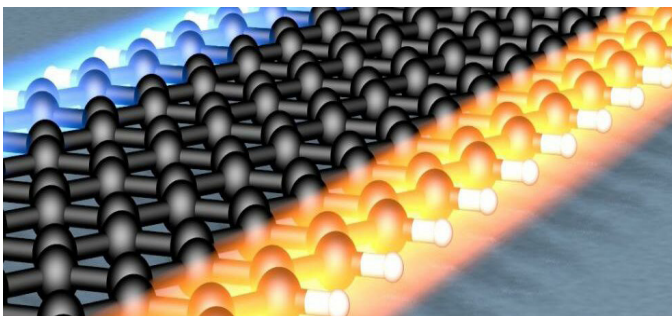


Scientists detect key structures for sugar transport in plants



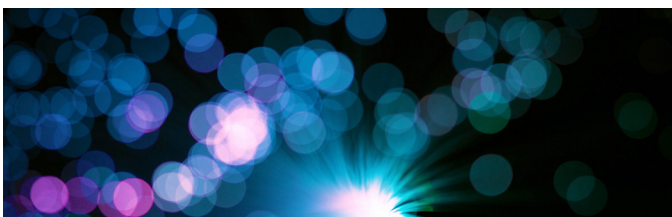
Researchers at Aarhus University using MAX IV's BioMAX beamline achieved breakthrough insights about the coupling process that allows active sugar transport in plants. The group detected the inward and outward confirmations of the symporter Sugar Transport Protein 10. [Read the full story](#)

Zigzag graphene nanoribbons surface offers hints at practical applications



An international research group found epitaxial zigzag graphene nanoribbons grown on mesa-structured silicon carbide form protected spin-polarized transport channels, without the application of an electromagnetic field. Their results hold potential for the advancement of spintronics. [Read the full story](#)

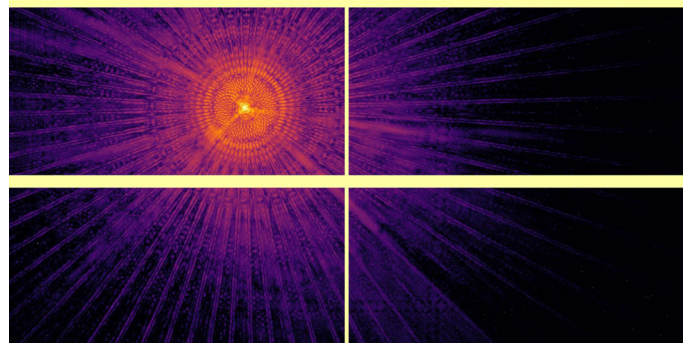
Unveiling properties of a 2D material for energy storage and production



Researchers from Linköping University and MAX IV have determined the detailed surface atomic arrangement of inherently formed termination species in 2D material class, MXenes. The results have implications for their use in energy storage and applications such as high-strength composite materials, fuel- and solar cells, and 2D-based electronics. [Read the full story](#)



Dear user community: CoSAXS beamline is performance ready



A successful, first rigorous test of CoSAXS, the Small-Angle X-ray Scattering beamline at MAX IV has now completed. The work marks the first experimental measurements for coherence in a SAXS beamline at a 4th generation synchrotron. The result? CoSAXS is ready. Apply now for beamtime. [Read the full story](#)

Robot dog project to improve MAX IV's bluelining works



Robot dog Buster from Boston Dynamics visited MAX IV as part of a project with the Survey, Alignment, and Mechanical Stability team. The group aims to use the robot to improve the bluelining process for sensitive installations. [Read the full story](#)

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