PM Seminarium

25 mars 2026.

Arkeologi och antikens kultur, Stockholms universitet

Between Friction and Function: Developing Reproducible Methods for Quartz Use-Wear Analysis

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My PhD project aims to further develop methods for analysing use-wear on quartz tools. Use-wear analysis is a way to understand how stone tools were used. But there is still a need to improve how wear traces on quartz are identified and described. In my project I will therefore further expand the traditional use-wear analysis method for quartz and try to develop more reproducible and measurable ways of studying use-wear. This will be done through experimental studies, microscopy and digital analysis, followed by comparison with archaeological material from Mesolithic sites in Sweden. I hope to combine traditional light microscopy (LM) with confocal microscopy (LCSM) as well as machine learning (ML) to document and measure wear traces in greater detail. The archaeological material will mainly come from Mesolithic sites, where quartz was an important raw material in tool use and technology.

Tid: Onsdag, 25 mars, 15.00-17.00.

Plats: Sal 334, Wallenberglaboratoriet eller Zoom.

Zoom länk: https://stockholmuniversity.zoom.us/j/66966094994

Mötes-ID: 669 6609 4994