



**MSCA**

Marie Skłodowska-Curie Actions

*Developing talents,  
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## Postdoctoral Fellowships



### CALL FOR APPLICATIONS 2025 – FELLOWS

<b>Supervisor</b>	Julie Marteau
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<b>Host Institution</b>	Université de Technologie Compiègne (UTC) <a href="https://www.utc.fr/en/">https://www.utc.fr/en/</a>
<b>Research Lab</b>	Laboratoire Roberval <a href="https://roberval.utc.fr/">https://roberval.utc.fr/</a>
<b>Research Team</b>	Équipe Matériaux et surfaces <a href="https://roberval.utc.fr/recherche/equipes-de-recherche/equipe-materiaux-et-surfaces/">https://roberval.utc.fr/recherche/equipes-de-recherche/equipe-materiaux-et-surfaces/</a>

#### Project Title

Analysis of wear traces of prehistorical stone tools

#### Project Description

Traceology in archeology is mainly based on a qualitative description of surfaces. In the case of stone tools, this project will work on the development of topography characterization of the worn surfaces using image analysis and/or multiscale measurement of the topography. The aim is to be able to objectively classify tool uses based on an existing corpus of experimental tools made from different rocks (flint...), which were used to saw or scrape different materials (wood, antler...).

#### Keywords

traceology, tribology, deep learning

#### Description of the Host Lab

The mission of the Laboratoire Roberval is to develop innovative experimental and numerical methods for the analysis, modeling and design of mechanical structures and systems.

To submit your application, please send an email with the required documents to  
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