Karlsruhe Institute of Technology

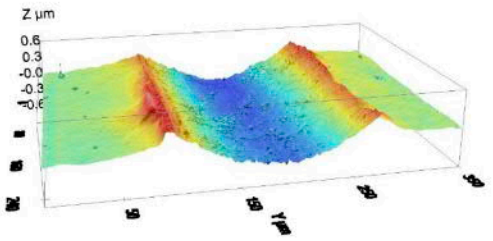
Institut für Angewandte Materialien

Bachelor / Master Thesis

Friction and wear in high vacuum

Background:

Friction and wear is a complicated process, especially when complex surface chemistry is introduced. From a materials science point of view, tribological tests in high vacuum will offer the most simplified surface chemistry. Therefore the elementary mechanisms of microstructure evolution can be revealed.



Project description:

- Implementing the tribometer inside a SEM chamber
- Tribological tests under high vacuum
- Subsurface microstructure investigation

Qualification:

- Interest in advanced material experimental methods
- Independence, reliability

We offer:

- Intensive support and supervision
- Cutting-edge topic
- Modern processing methods

Interested?

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