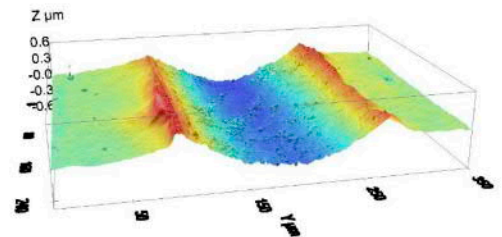


# Bachelor / Master Thesis

## Effect of sliding speed on microstructure evolution under tribological loading

### Background:

Under reciprocating tribological loading, e.g. in a combustion engine, the microstructure evolution at both dead centers and in the middle of the wear track can largely differ due to sliding speed difference. It is important to understand the mechanisms behind and to further tailor the surface to improve the tribological performance.



### Project description:

- Tribological tests with different sliding speeds
- Microstructure investigation with focused ion beam and scanning electron microscopy
- Analyzing effect of slide speed and discovering the difference between the dead centers and the middle of the wear track

### Qualification:

- Interest in materials science and engineering
- Independence, reliability

### We offer:

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

### Interested?

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