

# Studentisch Hilfskraft gesucht /

## Student worker position

### Ski jumping data collection and processing

#### Description

The department of Biomechanics in Sports, in collaboration with the institute of Flight System Dynamics, is currently developing a ski jumping simulation (IGSSE project “SkOPTing”). The goal is creating a tool usable by coaches and athletes for improving flying technique and performance.

In order to obtain a simulation closer to the reality, a high number of variables collected on the field (kinetic and kinematic variables) and indoor (body scanning) has to be included.

#### Work packages

1. Video analysis of ski jumping performance
2. Body scanning of athletes
3. General data processing

#### Prerequisites

- Interest in interdisciplinary work and in performance analysis
- Knowledge of data collection procedure
- Use of Microsoft Office package
- Time flexibility

**Hours per week:** 7 hours per week (with start as soon as possible)

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