

# Studentisch Hilfskraft gesucht / Student worker position

## Indoor and outdoor data collection in ski jumping

### 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. Data collection of athletes' anthropometrical measurements using 3D body scanner and force plate
2. Data collection on the ski jumping hill (force insole, EMG...)
3. 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:** 8/10 hours per week

### Contact

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