

Abstracts for the Research Seminar Innsbruck 2022 FISU World University Championship

- 1. A Method for the Analysis of Speed Climbing Recordings using Feature Detection Algorithms**
Authors: Dominik Pandurevic, Alexander Sutor, Klaus Hochradel – University of Innsbruck
- 2. A strain gauges based sensor for measuring the contact time, force and climbing precession**
Authors: Manuel Staggl, Alexander Sutor, Dominik Pandurevic, Klaus Hochradel – UMIT
- 3. Climbing dynamometer – A metrological device to assess arm action**
Authors: Manuel Tanzer, Alexander Bergmann – TU Graz
- 4. Cut resistance of climbing ropes**
Author: Daniel Sedlacek – University of Innsbruck
- 5. A Climbing Board for Long Term Force Assessment**
Author: Bernhard Lechner – TU Graz
- 6. Climbing Style Assessment on a Boulder Equipped with Three-Dimensional Force Sensors**
Author: Bernhard Lechner – TU Graz
- 7. Women in risk sports – A qualitative analysis of the risk behaviour of mothers in alpine climbing**
Author: Claudia Bartolomei – University of Innsbruck
- 8. Sportclimbing and Positive Youth Development**
Author: Stefanie Richters – Osnabrück University
- 9. Benefits of standard high-intensity training over high-intensity training with an equivalent load but prolonged recovery periods**
Authors: Tomas Javorski, Konnerman, Plattner, Brandstätter, Leithner, Puitner, Justin Lawley – University of Innsbruck
- 10. Die Auswirkungen von Achtsamkeitstraining auf die Kletterperformance**
Author: Daniel Nebbe – University of Innsbruck
- 11. Key Metrics and Performance Analytics of Sport Climbing**
Authors: Zsolt Bartha, Andras Kokai, Gabor Kincses – University Budapest