

Saturday, July 13th

8:00 PSYCHOLOGY

Understanding extreme sports

Brymer E – Leeds Beckett University

9:00 ROCK & ICE CLIMBING

Assessment of the ultimate actual strength of rock-climbing protection devices: extraction tests in the field

Manes A – Politecnico di Milano

The human capability to predict ultimate strength of rock-climbing protection devices placed in the field

Cadini F – Politecnico di Milano

The sport, injury and fatality risk, equipment, specific training, normal musculoskeletal adaptations in the climber's body. Injuries: clinical examination, diagnostics and treatment.

Lutter C. F. – Alexander Universität

Overuse syndromes in ice climbing. Sports ability test and medical supervision of junior, high-level, rock-climbing athletes

Lutter C. F. – Alexander Universität

10:30 IRONMAN – KIMEYA SPORT

How to manage medical assistance for an Ironman competition

Saini G – S. Maria delle Croci Hospital,
Ravenna

A project to monitor Ironman athletes

Verdi F – Kimeya Sport

From theory to practice of high intensity interval training

Bonato M – University of Milan

Smart clothing to action sports

Scataglini S – Belgian Royal Military
Academy

11:35 THERAPY & REHABILITATION

Knee rehabilitation in Extreme Sports

Nyland J – Spalding University

Shoulder rehabilitation in Extreme Sports

Nyland J – Spalding University

Vestibular rehabilitation after concussion in action sports

Mucci V – University Hospital of Zurich

Injuries and therapies in Moto GP – The experience of Clinica Mobile

Paraskevopoulos A – Clinica Mobile;
University of Brescia

Fascia in extreme sports: The forgotten structure

Casadei S – Fascial Manipulation
Institute by Stecco, Kimeya Sport

14:05 ENGINEERING & MEDICINE

Session introduction

Tarabini M – Politecnico di Milano

An ecological dynamics framework for the acquisition of perceptual-motor skills in extreme sports

Seifert L – Université de Rouen

Acclimatization and chronic hypoxia at extreme altitude

Marzorati M – Porcelli S CNR

Challenges in extreme sports aerodynamics - Wind tunnel

Giappino S – Politecnico di Milano

Use of wearable systems to assess the fluency of movement in parkour

Bracco C, Molisso MT – Politecnico di
Milano

Towards a non-invasive device for real time monitoring of vital signals in sport

Malagoli A – University of Modena and
Reggio Emilia, VST

Efficiency of handlebar mounts in the reduction of shocks and vibration in motocross

Tarabini M – Politecnico di Milano

16:55 – 17:10 CONCLUSION OF WORKS AND PRESENTATION OF FUTURE EVENTS