

EXTREME SPORTS MEDICINE & ENGINEERING



POLITECNICO
MILANO 1863

1st International Summer School in Lecco - September 2017 from 18th to 22nd



Photo: Dario Vecchiato

Politecnico di Milano is hosting the first international summer school in extreme sports medicine and engineering. The course covers a broad spectrum and is open to all PhD students, doctors, engineers, physiotherapists, etc. The deadline for the course registration is July, 1st 2017. The course is limited to 50 participants and is free for PhD students of Politecnico di Milano. The registration fee is € 150 for the members of the **ExtremeSportMed Association** and € 180 for other participants.

PROGRAM

Monday, 18th

9.45 - 12.15

Extreme sports: definition and psychology

E. Brymer, Leeds Beckett University

14.15 - 14.45

Main goals, research methodologies and difficulties in applied extreme sports medicine

F. Feletti, Politecnico di Milano

14.45 - 17.45

Injuries in most popular extreme sports

F. Feletti, Politecnico di Milano

Tuesday, 19th

9.00-11.30

Quantitative multifactorial movement analysis: methods and clinical examples for rehabilitation in extreme sports

M. Galli, Politecnico di Milano

11.30 - 14.45

Space medicine & extreme sports medicine - links and future endeavours

V. Mucci, Research Centre for Equilibrium & Aerospace & Laboratory of BioMedical Physics, University of Antwerp

14.45 - 15.45

Does Altitude hamper endurance performance?

Effects of acute and chronic hypoxia on aerobic metabolism.

S. Porcelli, CNR - IBFM

15.45 - 16.45

Do Tibetans do it better?

M. Marzorati, ICNR - IBFM

16.45 - 17.45

Altitude environment challenges human locomotion?

G. Pavei, Università degli studi di Milano

Wednesday, 20th

9.45 - 12.45

The safety chain and the strength of the anchors in climbing and mountaineering

A. Manes, Politecnico di Milano, Club Alpino Italiano

14.15 - 17.15

Aerodynamics in extreme sports: visit to the wind tunnel

F. Braghin, M. Belloli, Politecnico di Milano

Thursday, 21th

9.45 - 12.45

Shock-induced vibrations in running and tennis

D. Chadeaux, University of Aix and Marseille

14.15 - 17.15

Use of accelerometers to validate an ecological dynamic approach to extreme sports

L. Seifert, University of Rouen

Friday, 22nd

9.45 - 12.45

Smart clothes in extreme sports

G. Andreoni, Politecnico di Milano

14.15 - 17.15

Human response to vibration and shocks

M. Tarabini, Politecnico di Milano

Scientific Committee:

Francesco Feletti - S.Maria delle Croci Hospital

Marco Tarabini - Politecnico di Milano

Eric Brymer - Leeds Beckett University



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