**SUMMER SCHOOL 2020
Climate Change: Mountain Engineering & Sports
Courmayeur, September 27th ‘ October 3rd 2020**

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| ----- DRAFT AGENDA ---- |
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| **Sunday 27th September** |
| **18:00- 18:30** | **Fondazione Montagna Sicura (FMS): Welcome and introduction to the Summer School** |
| **19:00** | Icebreaker (welcome drink at the Villa Cameron) |
| **Monday 28th September** |
| **09: 00-13:00** | **Mountain and climate change**Prof. Francesco Laio – Politecnico di Torino Director of the Department of Excellence on Climate ChangeElisa Palazzi - ISAC - CNRDr. Edoardo Cremonese - ARPA VDA.Dr. Fabrizio Troilo - Safe Mountain Foundation (FMS) - Situation of glaciers, monitoring and glacial risksDr. Simone Gottardelli - FMS - Access to mountaineering routes and effects of climate change on the practice of mountaineering |
| **14:00-18:00** | Mountain bike tour in Val Veny with an aperitiv by Refuge Elisabetta or other activity |
| **Tuesday 29th September** |
| **09:00-13:00** | **Monitoring systems: UAV, SAR, new sensors, cartographic and remote sensing systems, data processing software (in situ activities)**Prof. Andrea Lingua - Politecnico di TorinoDr. Paolo Maschio - Politecnico di Torino Eng. Patrick Thuégaz and Dr. Geol. Davide Bertolo - Geological Service Regione Autonoma Valle d’Aosta (RAVdA)Dr Simone Gottardelli - FMS - Satellite Monitoring Systems for the study of glaciers |
| **17:00-22:00** | Free Afternoon and dinner in Courmayeur |
| **Wednesday 30th September** |
| **09:00-14:00** | **Traffic problems related to rock collapses and their mitigate measures.**Prof. Daniele Peila - Politecnico di Torino Eng. Valerio De Biagi - Politecnico di Torino Eng. Maddalena Marchelli - Politecnico di Torino  |
| **15:00-18:00** | Other activity |
| **Thursday 1st October** |
| **09:00-16:00** | **In situ activities and surveys - SkyWay Mont-Blanc (Joining the Punta Helbronner - Mont-Blanc 3600 meters)\***Prof. Alberto Godio - Politecnico di Torino Diego Franco - Politecnico di Torino Dr. Simone Gottardelli - FMS - Access to mountaineering routes and effects of climate change on the practice of mountaineeringAINEVA techniciansTour on the Glacier accompanied by the Alpine Guides of Courmayeur\* We recommend suitable clothing and comfortable footwear (hiking boots) and if it is possible equipped with crampons, rope and an ice axe. |
| **17:00-19:00** | **Safety and health in a mountain environment**Dr. Guido Giardini - AUSL Regione Autonoma Valle d’Aosta (RAVdA) |
| **Friday 2nd October** |
| **09:00-14:00** | **Avalanches and structural damages**Prof. Bernardino Chiaia - Politecnico di Torino Eng. Barbara Frigo - Politecnico di Torino  |
| **15:00-16:00** | **Debris flows observations and responses in Val Ferret (in situ activity)**Dr. Valerio Segor - Avalanche Service Regione Autonoma Valle d’Aosta (RAVdA)Dr. Fabrizio Troilo – FMS - Glacier dynamics, monitoring of Planpincieux and Jorasses |
| **16:00-18:00** | Climb to the Bertone refuge and overnight (We recommend suitable warm clothing and comfortable footwear (hiking boots) |
| **Saturday 3rd October** |
| **09:00-12:00** | **Alpinism Story**Renzino Cosson Alpine Guide Historical memory of Mont BlancDr. Jean Pierre Fosson and Dr. Elena Motta - FMS – Mountains observations |
| **13:00** | Final lunch |
| **14:00-17:00** | Return to La Thuile |
| **17:00** | **Shuttle to Turin** |