Carlo Maria Carmagnola

Snow Scientist - ClimSnow/PROSNOW/TipSnow
France

Principales compétences

Snow physics
Grooming and snowmaking
Skiing

Languages

Italien (Native or Bilingual)
Anglais (Native or Bilingual)
Français (Native or Bilingual)

Expérience

Météo France, Centre d'Études de la Neige
Snow Scientist
septembre 2017 - Present (6 ans 8 mois)
Région de Grenoble, France

AMSAO-ESF
Ski Instructor
décembre 2014 - Present (9 ans 5 mois)

Dianeige
Research Engineer
mars 2014 - Present (10 ans 2 mois)

Nivology
- Nivology applied to the techniques of preparation of ski slopes
- Assessment and optimization of the snow cover conditions in a ski area
- Simulation of the snowpack properties with a numerical model
(in collaboration with Météo-France - CNRS, CNRM-GAME/Centre d'Etudes de la Neige, Grenoble)

Grooming
- Grooming techniques: how to prepare ski slopes
- Grooming performance monitoring and implementation of corrective actions
- Training of grooming department staff

Snowmaking
- Techniques of production of artificial snow
- Optimization of artificial snow production (frequencies and amounts)

Formation

Météo France, CNRS, Centre d'Études de la Neige, Grenoble, France

Météo France – CNRS, CNRM – GAME, Centre d'Études de la Neige, Grenoble, France
Doctor of Philosophy (PhD), Physics · (2010 - 2013)

Université Joseph Fourier (Grenoble I)
Master's degree, Astrophysics · (2008 - 2010)

Università degli Studi di Torino
Bachelor's degree, Physics · (2003 - 2007)