



Claudio Artoni

Nationality: Italian **Date of birth:** 11/06/1992 **Gender:** Male

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Work: Piazza della Scienza, 1, 20126 Milan (Italy)

DRIVING LICENCE

Driving Licence: B

WORK EXPERIENCE

Snow scientist & Technical manager

University of Milano - Bicocca [01/10/2021 – Current]

City: Milan | Country: Italy | Website: <https://www.unimib.it/> | Email address: claudio.artoni@unimib.it | Name of unit or department: Department of Earth and Environmental Sciences

- Snowpack research on microphysical properties of dust in the snow and characteristics of snow crystals and grains
- Snow dynamics and avalanches research
- Ice cores and snow samples cutting and processing
- Ice cores and snow samples collecting
- Logistic and technical maintenance of the lab.
- Managing the safety and research activities in the lab.
- Managing purchase of instruments, consumables and laboratory equipment.
- Outreach activities

Avalanche instructor and educator

Italian Avalanche Service [09/2019 – Current]

City: Milan | Country: Italy

- Avalanche instructor for the national technical school of the Italian Avalanche Service
- Professional snowpack observer
- Educator in avalanche awareness courses

Climbing instructor

Italian Federation of Sport Climbing [07/2019 – Current]

City: Milan | Country: Italy

Coaching in climbing courses for beginners and intermediate for T-Climb climbing school.

Station leader and Field Risk manager

Institute of Polar Sciences - National Research Council (CNR-ISP) [31/03/2022 – 08/05/2022]

City: Ny-Ålesund | Country: Norway

- Safety and field risk manager
- Glacier risk management
- Avalanche risk management
- Logistical management
- Management of relationships with other research bases and facilities infrastructures
- Relations with press and media

IPCC Expert reviewer

Intergovernmental Panel on Climate Change [11/2020 – 01/2021]

City: Geneva | Country: Switzerland

Reviewer of the IPCC Sixth Assessment Report (AR6) "Climate Change 2021: Impacts, Adaptation and Vulnerability", cross chapter "Polar Regions" at the Working Group WGII.

Mountain sales assistant

Decathlon Italia [11/2018 – 01/2019]

City: Milan | Country: Italy

Sales assistant in the mountain division. Fixed term work.

EDUCATION AND TRAINING

Ph.D. in Polar Sciences

University Ca' Foscari of Venice [09/2020 – 02/2024]

City: Venice | Country: Italy | Field(s) of study: Snow sciences | Thesis: Optical and microphysical properties of mineral dust in snow

Master degree in Earth Sciences

University of Milan [2015 – 2018]

City: Milan | Country: Italy

Bachelor degree in Geology

[2012 – 2015]

City: Milan | Country: Italy

PROFESSIONAL QUALIFICATIONS

[02/2024 – 02/2027]

Polar Guide

PTGA certified polar guide.

[2022 – Current]

Professional member of the American Avalanche Association

[2023 – Current]

Avalanche instructor for the Italian Avalanche Service

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 READING B2 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

EXPEDITIONS

[2022 – Current]

POLAS expedition in Spitsbergen (Svalbard Islands)

Expedition leader and field risk manager for snow sampling, physical analysis of the snowpack and light penetration measures on selected glaciers in Spitsbergen peninsula (Svalbard Islands).

The Expeditions took place in 2022, 2024 and 2025.

[15/11/2022 – 12/12/2022]

38^ expedition in Antarctica

Scientific leader for ice and firn cores coring on Mount Melbourne in Victoria Land (Antarctica) within the MIMIC project.

[29/03/2022 – 10/05/2022]

Ny-Alesund Italian Base "Dirigibile Italia" (Svalbard Islands)

Station leader and field risk manager.

[01/02/2021 – 01/05/2021]

Ny-Alesund Italian Base "Dirigibile Italia" (Svalbard Islands)

Acting station leader

OPTICE project in the Alps

Expedition leader and field risk manager in many field trip on selected glaciers in the Alps as:

- Glacier du Geant
- Rutor Glacier
- Ventina Glacier
- Lys Glacier

INVITED TALKS AND CONFERENCES

[03/07/2024 – 03/07/2024]

Marmolada 03.07.2022

Commemoration of the accident on the Marmolada Glacier with screening of the film and speech on glaciological causes and mountain safety.

[25/01/2024 – 25/01/2024]

To the top and back: avalanche awareness evening

Patagonia Milan Store

[19/01/2024 – 19/01/2024]

Avalanches and climate change

International Congress of Mountain Medicine (GRIMM), Le Chable - Verbier (FR).

[12/12/2023 – 12/12/2023]

The Adamello glacier and the ClimADA project

UNIMONT, Edolo (BS).

[19/10/2023 – 21/10/2023]

Updates on recommendations and safety label of the AVA-com

International Commission on Alpine Rescue (ICAR) Meeting 2023.

SELECTED ATTENDED COURSES

[29/01/2023 – 04/02/2023]

EGU Snow Science Winter School

Summer school with the special topic: "Snow measurements in the field and laboratory" at the SLF-WSL in Davos, CH.

[20/03/2022 – 26/03/2022]

DEEPICE Snow Sciences winter school

Winter school focuses on snow-process sciences (2 ECTS) with theoretical and practical courses and exercises. Organized by the University of Bergen in the framework of H2020 MSCA ITN DEEPICE Project in Finse Research Station, Norway.

[16/07/2019 – 19/07/2019]

International Summer School within the ALPSMOTION project - Investigating alpine permafrost dynamics from space to the field

The Summer school focuses on monitoring permafrost deformation, in particular of rock glaciers, exploiting satellite-based SAR data at regional and local scale. Organized by the University of Pavia and EURAC Research.

[11/02/2019 – 15/02/2019]

International Advanced Training Course on Snow and Avalanches "Practice meets science"

Course on snow and avalanches with a particular focus on latest research results at the SLF-WSL in Davos, CH.

[17/09/2018 – 20/09/2018]

Slopes evolution in active mountain ranges: multiscale drivers (structural, deglaciation), sedimentary connectivity issues and investigation methods. A focus on the Alps and Himalayas.

The course focuses on the investigation methods of seismic-triggered landslide events and paraglacial response of deglaciated areas. Organized by the University of Milan.

[10/07/2018 – 13/07/2018]

Summer school: Multi-risk assessment of Alpine environment: the case study of the Northern Piedmont

Summer school has the goal to illustrate the main geomorphological processes of the Ossola (Piedmont) area, related risks and possible systems for monitoring and risk mitigation. Organized by the University of Pavia.

COMMUNICATION AND INTERPERSONAL SKILLS

Public speaking

Expert public speaker gained as lecturer in many scientific conferences and in many outreach activities. Attended the IFOA Course on public speaking in 2017.

Team working

Excellent team member gained in the voluntary organizations and in the organizing committee of many events. Attended the Ca' Foscari Challenge School Course on Teamworking in 2021.

MANAGEMENT AND LEADERSHIP SKILLS

Leadership

Leadership experience gained during the experience as station leader of the Italian base in Ny-Alesund (2022) and as president of the Young Lions District (2016-2017).

Stress management and adapting to changes

Open to changes and able to manage the stress gained during the courses of Ca' Foscari Challenge School and during the expeditions in polar areas.

Job-management

Job management gained as technical manager of the EuroCold Lab. and as organizer of scientific congress and many other conferences with voluntary associations.

VOLUNTEERING

[2022 – Current]

ICAR AVA-com vice president

Vice president for the Avalanche Commission and chair of the working group on rescue and climate change of the International Commission for Alpine Rescue.

[2021 – Current]

Glaciologic operator

Board member of the Lombardy Glaciological Service