



# Comitato Glaciologico Italiano

Object: distinguished qualitative *Dissertation Award* 2009

The Italian Glaciological Committee assigned the “distinguished qualitative dissertation of glaciological interest award 2009” in the framework of the winter meeting held in Milan on 27<sup>th</sup> November 2009 (DISAT, University of Milano Bicocca, Piazza della Scienza, 1)

Seven theses have been submitted, all related to the themes of interest. Four theses have been found to be particularly original and interesting.

- 1) Velio Coviello, Monitoring of acoustic emissions in rock for the investigation of the effects of climate change on mountain permafrost degradation. Application to the site of Capanna Carrel (3835 m), Mt. Cervino. Polytechnic of Turin, Faculty of Engineering, Master Course in Environmental and Territorial Engineering, 2008/2009. Tutor: Prof. Claudio Scavia. Co-tutors: Prof. Giannantonio Bottino, Dr. Ing. Massimo Arattano.
- 2) Daniele Fava, Study of the stability of rock walls at high altitude, in relation to the problem of permafrost degradation: the case of the Capanna Carrel (Mt. Cervino, Ridge SW). Polytechnic of Turin, Faculty of Engineering, Master Course in Environmental and Territorial Engineering, 2008/2009. Tutor: Prof. Monica Barbero. Co-tutors: Dr. Giovanni Mortara, Prof. Giannantonio Bottino.
- 3) Tiziano Martinelli, The idrologic balance of the Careser Glacier: Field surveys and modeling analysis. University of Trent, Faculty of Engineering, Master Course in Environmental and Territorial Engineering, 2008/2009. Tutor: Prof. Alberto Bellin. Co-tutors: Dr. Ing. Oscar Cainelli, Dr. Ing. Nicola Paoli.
- 4) Antonella Senese, Three years of energy balance and ablation rate of the Forni Glacier, Ortles-Cevedale Group (Stelvio National Park). University of Milan, Faculty of Science, Master Course in Analysis and Management of Natural Environment, 2008-2009. Tutor: Dr. Guglielmina Diolaiuti. Co-tutors: Prof. Claudio Smiraglia, Dr. Claudia Elena Mihalcea.

Among the four distinguished theses (listed in alphabetical order of authors), the Award Commission (C. Baroni, V. Maggi, R. Seppi) decided to award Daniele Fava's thesis, with the motivation reported here below, read publicly.

....(omissis)... *“The considerable amount of information and data presented is extremely topical, addresses a relevant issue within the cryosciences, and adds original information for understanding the dynamics of permafrost in massive rocks.” (...)*

Extract from the minutes of the meeting of the CGI, Milan, 27<sup>th</sup> November 2009.

*The President of the Italian Glaciological Committee  
Prof. Carlo Baroni*

Torino, 1<sup>st</sup> December 2009.