



Oggetto: distinguished qualitative *Dissertation Award* 2010

The Italian Glaciological Committee assigned the “distinguished qualitative dissertation of glaciological interest award 2010” in the framework of the winter meeting held in Padova on 17th December 2010.

Eight theses were submitted, all related to the themes of interest. In addition to a Bachelor's thesis, seven were related to advanced degrees or master. Among these latter, four were found to be particularly original and interesting.

- 1) Paolo Caronna, “Impact of the regional climate change on the energy and mass balance of the Adamello Glacier”. University of Brescia, Faculty of Engineering, Master Course in Engineering, Department of Civil Engineering, Architecture, Land and Environment (DICATA), 2009-2010. Tutor: Dr. Ing. Giovanna Grossi. Co-tutor: Prof. Ing. Roberto Ranzi.
- 2) 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.sa Guglielmina Diolaiuti. Co-tutors: Prof. Claudio Smiraglia and Dr.sa Claudia Elena Mihalcea.
- 3) Giulia Vignolini, “Reconstruction of paleoclimatic data for two glacial/interglacial cycles from the stratigraphy of chemical markers in the Talos Dome ice core (East Antarctica)”. University of Firenze, Faculty of Science, Master Course in Chemistry of the environment and cultural heritage, 2009-2010. Tutor: Prof. Rita Traversi. Co-tutor: Dr. Mirko Severi.
- 4) Paolo Zamparutti, “The Miage glacier: geomorphological mapping and investigation on the debris cover by applying techniques of digital photogrammetry and remote sensing”. University of Turin, Faculty of Science, Master Course in Applied Geology, 2008-2009. Tutor: Prof. Marco Giardino. Co-tutor: Dr. Luigi Perotti.

Among the four distinguished theses (listed above in alphabetical order of authors), the Commission (C. Baroni, M. Meneghel, G. Mortara) decided to award Paolo Caronna's thesis, with the motivation reported here below:

....(omissis)... “The thesis shows the effects of climate change on the glacial environment of the Adamello Group applying climate models on a regional scale in a convincing approach. The integration between considerations of a general nature and the specific case of a narrow area received particular interest. The purpose of outlining medium and long term scenarios of evolution for such an important glacial alpine district, with the related socio-economic implications, was considered very valuable and highly topical.

Extract from the minutes of the meeting of the CGI, Padova, 17th December 2010

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

Torino, 21st December 2010.