

Report on the 14th Annual Meeting of the European Meteorological Society/10th European Conference on Applied Climatology

First of all, I would like to thank the award committee of the European Meteorological Society for awarding me the Young Scientist Travel Award, enabling me to participate in the 14th Annual Meeting of the European Meteorological Society/10th European Conference on Applied Climatology. The conference took place in Prague, Czech Republic from 6th to 10th October 2014.

During the conference I had the opportunity to present part of my PhD research regarding "Computational calculations of solar irradiance" and more specifically, the short term forecasting of solar irradiance taking into consideration the cloud motion and development in time. The oral presentation was entitled "Computation of cloud motion for solar irradiance prediction" and is co-authored by me and Assistant Professor Alexandros Charalambides who is my PhD supervisor.

The presentation described the development of an image processing algorithm for field computation of cloud motion using the optical flow technique, based on data from a ground based camera that photographed the sky at scheduled time intervals. The presentation consisted of a brief introduction to the scope of the research, followed by the technical details of the methodology used, and finally with the results. The presentation was well received by the participants, followed by several questions regarding the equipment used for the measurements and specific details of the methodology.

Apart from my presentation, I participated in most of the oral sessions of the conference, where I had the opportunity to be informed in the current progress in the field of applied climatology, especially in the forecasting field. Moreover, the poster sessions provided me the chance to meet with other researchers in different fields of meteorology which gave me a more comprehensive view of their methodologies, which will be useful later in my PhD. Additionally, I was given the chance to participate in the presentation of Prof. Peter Lynch, who presented a very interesting and intelligible speech on "Balanced Flow on the Spinning Globe".

Above all, the conference was a great opportunity to meet with other researchers, to be informed on their research and establish possible future scientific cooperation and to expand my knowledge and expertise. This was contributed by the hospitality of the organisers, the ice breaker party, the coffee breaks and especially the finger food with local traditional food and beers.

Thank you again for this award and the opportunity to travel to Prague.

Yours sincerely,

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