

Kernel-based Methods and Function Approximation 2016

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Abstract

The guest editors of the mini-workshop *Kernel-based Methods and Function Approximation* discuss details and highlights of the meeting.

1 Short report on the mini-workshop

On February 5, 2016, a one-day mini-workshop on *Kernel-based Methods and Function Approximation* took place at the Department of Mathematics “Giuseppe Peano” of the University of Torino, Italy.

During this event we had a total of 6 talks and approximately 30 participants. We are particularly indebted to our invited speakers: Stefano De Marchi (University of Padova, Italy), Filomena Di Tommaso (University of Calabria, Italy), Donatella Occorsio (University of Basilicata, Italy) and Holger Wendland (University of Bayreuth, Germany) for their very fine expository talks outlining new research areas. Moreover, we also sincerely thank the presenters of the two contributed talks: Emma Perracchione and Iliaria Stura (University of Torino, Italy) for their very interesting presentations on the topic of kernel methods and related applications, as well as everyone who attended for making the workshop a success.

This meeting was organized so that researchers, who mainly work in the field of *Numerical Analysis*, could discuss and exchange ideas about their mathematical research. This day thus allowed a direct interchange between colleagues and friends (coming from different Italian and foreign universities or research institutes) at all times of the conference.



Figure 1: Group of some participants during a break time of the meeting.

For further details on the mini-workshop (including the list of the talks and the corresponding abstracts), see the link:

<http://www.dipmatematica.unito.it/do/home.pl/View?doc=kernel.html>.

Throughout the workshop we invited the speakers to submit papers for a special volume of *Dolomites Research Notes on Approximation* (DRNA). All submissions were peer-reviewed and accepted articles are part of the special issue of these

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conference proceedings. As organizers of the mini-workshop and guest editors of DRNA, we would also like to express our sincere gratitude to the reviewers for their suggestions and comments to the authors. Sincere thanks are then turned to our colleagues and friends of the University of Padova, who enabled the fulfillment of this special volume.

Finally, we are especially grateful to the Department of Mathematics “Giuseppe Peano” of the University of Torino for financial and logistical support.