Scientific report for Young Set Theory Workshop 2013, Oropa, Italy.

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I applied for the Short travel grant to participate to the Young Set Theory Workshop 2013, held in Oropa (Italy), 10-14 June 2013 and received an award for an amount of 230 euros.

The meeting was particularly interesting from a set theoretically point of view for the tutorials of Prof. Su Gao (on Borel markers and their use in action of $2^{\mathbb{Z}}$) of Prof. Sy Friedman (on the generalized Baire space, κ^{κ}, and the difference between this topology and the one concerning the usual Baire space) and of Prof. Cummings on PCF. Moreover was very important to me to hear the talk of Dr. Tristan Bice, since the arguments are close my research interests (the study of the Calkin algebra and, more in general, the applications of set theory to operator algebra). Another good reason to be there was a discussion session with Paul McKenney and others, again on operator algebras (corona algebras..) and about how OCA (the open coloring axiom) is involved in certain dichotomies with CH.

The last point that allows me to consider this conference a really positive one was the possibility to meet a lot of european young set theorists, in order to have a lot of new contacts for some future research, have some good discussions with people that are more expert than me

Best regards,

Alessandro Vignati