

# Scientific reports

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1. Purpose of the visit

This workshop is unique in the sense that many young researchers in set theory gather in one place and exchange their topics and ideas in set theory. I would like to learn many things from them and broaden my view of set theory while discussing my main topic with them.

2. Description of the work carried out during the visit

I have discussed with many young set theorists on the project I described in the application document I submitted for this research visit. I have got some feedback and interesting questions from some of them and they will inspire the future work on this project.

I also attended the tutorials and talks in the Young Set Theory Workshop 2013 and have obtained some interesting news in the current research on set theory. Among those, Sy Friedman's tutorial and Wilson's talk were especially interesting to me.

I also attended several discussion sessions and talked with young set theorists on what they are doing these days on set theory. Especially, Krivine's realizability method to obtain a model of ZF was new to me. While the general theory of this method is not yet well-developed, it would be interesting to see the connection between this method and forcing method to see whether one can obtain a totally different kind of models of set theory from those obtained by forcings, inner model theory, and symmetric models.

3. Projected publications/articles resulting or to result from the grant.

If things work out in the way I currently wish, I am going to write a paper on the proposed project and will acknowledge the support by the INFY Network.