

# FINAL REPORT FOR THE INFTY SHORT VISIT GRANT 3922

Name: Marcin Sabok  
e-mail: `sabok@math.uni.wroc.pl`

Host: Dr. Philipp Schlicht  
e-mail: `schlicht@math.uni-bonn.de`  
Host Institution: Mathematisches Institut Rheinische Friedrich-Wilhelms-  
Universität Bonn  
Address: Endenicher Allee 60, 53115 Bonn, Germany

Period of the visit: 21 March 2011 – 25 March 2011

**Title of the project:**

*Young Set Theory Meeting 2011*

**Report from the conference.**

The goal of this workshop was to bring together postgraduates and postdocs in set theory in order to learn from senior researchers in the field, hear about the latest research, and to discuss research issues in small focused groups. Participants had the opportunity to exchange ideas with fellow set theorists in a friendly cooperative environment.

The format of the workshop consisted of tutorials in the morning and discussions and talks in the afternoon.

The conference took place at Königswinter near Bonn at 21–25 March 2011. There were approximately 70 participants from almost all leading mathematical centers in set theory. The program of the conference included four tutorial talks, each 4 hours long. Among them we had the following speakers:

- Ali Enayat (Washington) "Arithmetic, Set Theory, and their models",
- Joel David Hamkins (New York) "An introduction to Boolean ultrapowers",

- Juris Steprans (Toronto) "Amenable actions of the infinite permutation group",
- Slawomir Solecki (Urbana-Champaign) "Borel equivalence relations and Polish groups".

The talks were of excellent quality, understandable and clear and covered deep and difficult topics from different branches of modern set theory.

Besides the tutorial talks we also had six one-hour long conference talks given by the outstanding postdocs in set theory. The talks were more specialized and dealt with the most current research topics in set theory. Among them we had the following speakers:

- Assaf Rinot (Be'er Sheva) "Around Jensen's square principle",
- David Schritterser (Bonn) "Projective measure without projective Baire",
- Dilip Raghavan (Toronto) "P-ideal dichotomy and weak squares",
- Grigor Sargsyan (Los Angeles) "An invitation to inner model theory",
- Katie Thompson (Vienna) "LOTS (of) embeddability result",
- Sam Coskey (Toronto) "Borel equivalence relations and the conjugacy problems".

Besides the tutorial and postdoc talks, we also had discussion sessions on the current research topics lead by the participants. I had the opportunity to discuss with Sam Coskey on his current research on equivalence relations and I took part in a discussion lead by Dilip Raghavan on the P-ideal dichotomy.