

Methodological Approaches in the Study of Recent Mathematics: Mathematical Philosophy and Mathematical Practice

First Forcing Project Networking Conference
network2018.forcing-project.com

September 17-21, 2018 / Zukunftskolleg (Y311), University of Konstanz

Organizers:
Carolin Antos, Daniel Kuby
(Universität Konstanz)

Conference Program

Monday, September 17th

10:00–10:30	Welcome reception
10:30–12:00	José Ferreirós (Universidad de Sevilla) Invited talk: “How to study the evolution of set-theoretic practices? Some methodological considerations”
12:00–13:30	Lunch
13:30–14:30	Mikkel Willum Johansen (Københavns Universitet) “Large scale quantitative investigation of mathematical publications”
14:30–15:30	Monroe Eskew (Universität Wien) “Generic large cardinals as axioms”
15:30–16:00	Break
16:00–17:30	Merlin Carl (Universität Flensburg) Invited talk: “Idealized agents in set theory”
19:00	<i>Get-together (Café-Bar-Restaurant Dom Konstanz)</i>

Tuesday, September 18th

09:30–11:00	John Baldwin (University of Illinois at Chicago) Invited talk: “The entanglement of set theory and infinitary model theory”
11:00–11:15	Break
11:15–12:15	Deniz Sarikaya (Universität Hamburg) “The usage of frameworks from philosophy of science in philosophy of mathematics”
12:15–13:30	Lunch

13:30–14:30	Krzysztof Wójtowicz (Uniwersytet Warszawski) “What could set-theoretic explanations in science be?”
14:30–15:30	Michał Godziszewski (Uniwersytet Warszawski) “Set-theoretic independence of existence of some local hidden variable models in the foundations of quantum mechanics”
15:30–16:00	Break
16:00–17:30	Alison Pease (University of Dundee) Invited talk: “Inspirations from online collaborative mathematics into automated reasoning”

Wednesday, September 19th

09:30–11:00	Benedikt Löwe (Universiteit van Amsterdam/Universität Hamburg) Invited talk: “Algebra-valued models of set theory and their logics”
11:00–11:15	Break
11:15–12:15	Carolin Antos/Daniel Kuby (Universität Konstanz): “Forcing in the philosophy of set theory: Analytic and practice-based approaches”
12:15–13:30	Lunch
14:00–16:00	<i>Guided city tour</i>
19:00	<i>Conference dinner (Constanzer Wirtshaus)</i>

Thursday, September 20th

09:30–11:00	Victoria Gitman (City University of New York) Invited talk: “The stable core”
11:00–11:15	Break
11:15–12:15	Matteo de Ceglie (Universität Salzburg) “A naturalistic case in favour of the generic multiverse with a core”
12:15–13:30	Lunch
13:30–14:30	Miha Habič (České vysoké učení technické/Univerzita Karlova) “Embedding posets into the set-generic multiverse”
14:30–15:30	Nick de Hoog (Universität Konstanz) “A made-to-measure data-driven approach”
15:30–16:00	Break
16:00–17:30	Roy Wagner Invited talk: “Semiotic analysis of mathematical texts (a hands-on introduction with applications to P. Cohen’s presentations of forcing)”

Friday, September 21st

09:30–11:00	Neil Barton (Universität Wien) Invited talk: “Forcing and the universe of sets: Must we lose insight?”
11:00–11:15	Break
11:15–12:15	Jeffrey Schatz (University of California, Irvine) “On the role of outer models in the methodological maxim of maximization”
12:15–13:30	Lunch
13:30-15:00	Deborah Kant (Humboldt Universität zu Berlin) Invited talk: “Interviews with set theorists – different views on forcing”
15:00	Concluding remarks by the organizers

Slots for invited speakers are 90 minutes long (60 min talk / 30 min discussion)

Slots for contributing speakers are 60 minutes long (40 min talk / 20 min discussion)