**Description**

The second Forcing Project Networking Conference (FPNC 2019) is devoted to recent set theory as a bridge between mathematics and philosophy and focuses on the interaction between mathematical and philosophical arguments and views in set theory. Set theory has long been both a mathematical discipline and a program with foundational motivations. It seems that this dual character makes it a natural crossway between mathematics and philosophy, possibly more so than other mathematical disciplines.

**Organizing unit**

The project "Forcing: Conceptual Change in the Foundations of Mathematics" (2018–2023) aims to analyze, from a historical and philosophical point of view, the development of modern set theory since the introduction of the forcing technique. It brings together methods and research questions from different research areas in the history and philosophy of mathematics to investigate if and how the extensive use of the forcing method brought about a conceptual change in set theory; and in which ways this may influence the philosophy of set theory and, finally, the foundations of mathematics.

More information is available at
– forcing-project.com

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**Social events venues**

**Conference dinner**
Costanzer Wirtshaus, Spanierstraße 3

**Funded by**

Set Theory: Bridging Mathematics and Philosophy

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Second Forcing Project Networking Conference (FPNC 2019)  
July 29–31, 2019  
University of Konstanz, V 1001  
– fpnc2019.forcing-project.com
Conference Program
All talks will take place in Room V 1001 (Senatssaal).

Monday, July 29th

09:30–10:00  Registration and welcome reception

10:00–11:00  Invited talk: “Boolean-valued sets as arbitrary objects”
Leon Horsten · University of Bristol

11:00–11:15  Break

11:15–12:00  “Can all things be counted?”
Chris Scambler · New York University

Roland Bolz · Humboldt Universität Berlin

12:50–14:00  Lunch

14:00–14:45  “Modal set theory and potential hierarchies”
Christopher Menzel, Texas A&M University & Guillermo Badia · University of Queensland

14:50–15:50  Invited talk: “Incomparable extensions of ZF”
Karl-Georg Niebergall · Humboldt Universität Berlin

15:50–16:15  Break

Juliette Kennedy · University of Helsinki

Tuesday, July 30th

10:00–11:00  Invited talk: “Is set theory pure or applied mathematics? On the ontological power of set theory and its limits”
Mirna Džamonja · University of East Anglia

11:00–11:15  Break

11:15–12:15  Invited talk: “A Predicativist Perspective on Definable Sets of Reals”
Marianna Antonutti Marfori · MCMP, Munich

12:15–13:30  Lunch

13:30–14:15  “Cantor’s Paradise on Skolem’s Earth”
Mangesh Patwardhan · National Insurance Academy Pune

14:20–15:05  “Categories of amenable embeddings and what canonicity in set theory cannot be”
Monroe Eskew · University of Vienna

15:05–15:30  Break

15:30–16:00  “How does a qualitative interview study inform the philosophy of set theory?”
Deborah Kant · Universität Konstanz

16:00–16:30  “An inconsistent multiverse?”
Carolin Antos & Daniel Kuby · Universität Konstanz

16:30–17:30  Invited talk: “Set-theoretic Truth”
Godehard Link · MCMP, Munich

19:30  Conference Dinner

Wednesday, July 31st

10:00–11:00  Invited talk: “Iterability and generalised proof theories”
Toby Meadows · UC Irvine

11:00–11:15  Break

11:15–12:00  “The V-logic multiverse”
Matteo de Ceglie · University of Salzburg & Claudio Ternullo · KGRC, Vienna

12:05–12:50  “The generic multiverse is not going away”
Douglas Blue · Harvard University

12:50–14:00  Lunch

14:00–14:45  “The singularity of forcing”
Thomas Tulinski · École Normale Supérieure de Lyon

14:50–15:35  “A semantic approach to independence”
Giorgio Venturi · Univesidade Estadual de Campinas

15:35–16:00  Break

16:00–17:00  Invited talk: “Philosophical implications of some recent breakthroughs in set theory”
Joan Bagaria · University of Barcelona