

Conference program
Colloquium Logicum 2008 of the DVMLG
10 – 12 September 2008

Organised by Department of Mathematics, TU Darmstadt
Location Welcome Hotel Darmstadt
Karolinenplatz 4, Darmstadt
Sponsored by German Research Foundation (DFG)
Organisers E. Klingenburg (secretary), U. Kohlenbach,
M. Otto, T. Streicher, B. van den Berg

Wednesday, September 10th

14.00 - 15.00 Welcome and registration
15.00 - 16.00 Invited lecture: NICOLE SCHWEIKARDT (Frankfurt)
Gaifman's locality theorem revisited
16.00 - 16.30 Coffee break
16.30 - 17.30 Invited lecture: MICHIEL VAN LAMBALGEN (Amsterdam)
Logic in a neuroscience lab
17.30 - 18.00 ACHIM BLUMENSATH (Darmstadt)
The transduction hierarchy for guarded second-order logic
18.00 - 18.30 PETER SCHUSTER (München)
Calibrating Baire's theorem for closed sets

19.30 CONFERENCE DINNER (*à la carte*)
Details will be announced at the conference.

Thursday, September 11th

Morning Session

9.00 - 10.00 Invited lecture: SERGEI GONCHAROV (Novosibirsk)
On two problems of Turing complexity for strongly minimal theories
10.00 - 10.30 MERLIN CARL (Bonn)
Naproche – Logic and Linguistics of Natural Mathematical Language
10.30 - 11.00 JAVIER LEGRIS (Buenos Aires)
*Formality and Universal Language in 19th Century Symbolic Logic:
The Cases of Frege and Schröder*
11.00 - 11.30 Coffee break
11.30 - 12.30 Invited lecture: JOEL DAVID HAMKINS (New York)
Set-theoretic geology
12.30 - 14.15 Lunch break

Afternoon Session

- 14.15 - 15.00 PhD Colloquium: PHILIPP SCHLICHT (Münster)
Thin projective equivalence relations
- 15.00 - 15.30 FERNANDO FERREIRA (Lissabon)
On commuting conversions
- 15.30 - 16.00 LAURENTIU LEUSTEAN (Darmstadt)
Recent applications of proof mining in ergodic theory
- 16.00 - 16.30 Coffee break
- 16.30 - 17.30 Herbrand Centenary Lecture: GEORG KREISEL, F.R.S. (Salzburg)
Aspects of Herbrand's thèse: combinations with contemporary ideas and relations to foundational perennials
- 18.30 - 20.00 DVMLG MEMBER MEETING

Friday, September 12th

Morning and Afternoon Sessions

- 9.00 - 10.00 Invited lecture: ROBERT LUBARSKY (Boca Raton)
Topological Semantics with Settling
- 10.00 - 10.30 BENNO VAN DEN BERG (Darmstadt)
Realizability in algebraic set theory
- 10.30 - 11.00 BERNHARD IRRGANG (Bonn)
On ω_3 -chains in $P(\omega_1)$ mod finite
- 11.00 - 11.30 Coffee break
- 11.30 - 12.30 Invited lecture: HANS ADLER (Leeds)
The role of matroids in model theory
- 12.30 - 14.00 Lunch
- 14.00 - 14.30 EYVIND BRISEID (Darmstadt)
On some applications of proof mining in metric fixed point theory
- 14.30 - 15.00 LUTZ STRÜNGMANN (Duisburg-Essen)
The structure of $\text{Ext}(G, H)$ in models of ZFC
- 15.00 - 15.30 IOANNA DIMITRIOU (Bonn)
Successors of singular cardinals in choiceless Chang conjectures
- 15.30 - 16.00 JIP VELDMAN (Bonn)
Symmetric Submodels and Mutual Stationarity
- 16.00 - 16.30 JOHANN MAKOWSKY (Haifa)
Intriguing graph polynomials
- 16.30 END OF CONFERENCE