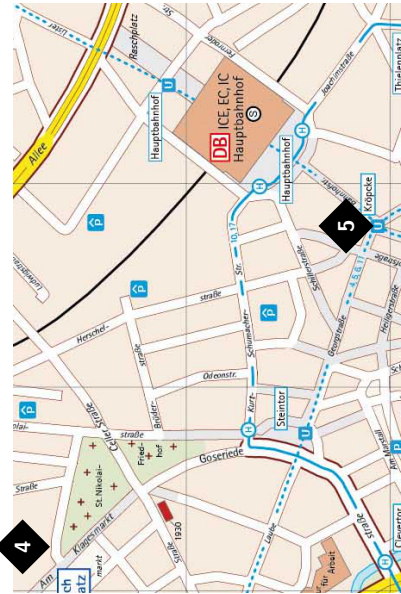
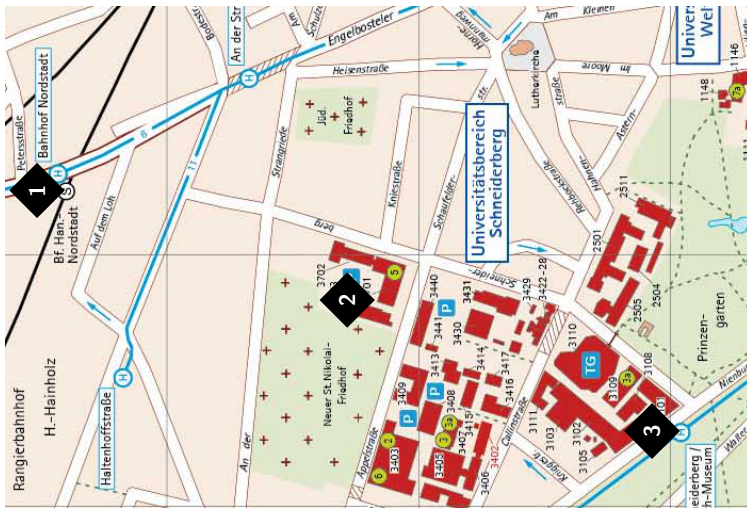


Algorithmic Model Theory Meeting 2017

Leibniz Universität Hannover

Legend

- 1 Train station Hannover Nordstadt
- 2 Workshop venue, Institut für Theoretische Informatik
- 3 Underground station Schneiderberg/Wilhelm-Busch-Museum
- 4 Himalaya Hannover, Postkamp 18 (location of the joint dinner)
- 5 Underground station Kröpcke



Venue

Institut für Theoretische Informatik
Appelstraße 4

Room 023

30167 Hannover

Internet

is accessible via the *eduroam* network

Dinner

When?

Tuesday evening, at 8pm

Where?

Himalaya Hannover

Postkamp 18

30159 Hannover

Arrival by Train

You arrive at Hannover Hauptbahnhof (main station).

From here walk into the city: leaving the building you step onto the plaza called Bahnhofsvorplatz (Ernst-August-Platz). Go into the Bahnhofstraße (right across from main station, in-between Galeria Kaufhof and Ernst-August-Markthalle) and within 2 minutes you reach the underground station Kröpcke.

From underground station Kröpcke take train 4 (to Garbsen) or 5 (to Stöcken) until you reach station "Schneiderberg/Wilhelm-Busch-Museum". There move to the right into the street called Schneiderberg until you reach the street Appelstraße (second on the left).

House number 4 can be found on the right side.

Contact

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Program Tuesday, March 7

13:00–13:25	Julian Bitterlich TU Darmstadt	Acylicity, Simple Connectivity, and Unbranched Covers of Hypergraphs
13:25–13:50	Kord Eickmeyer TU Darmstadt	FO model checking on map graphs
13:50–14:15	Nicole Schweikardt Humboldt-Universität zu Berlin	First-order logic with counting: at least, <i>weak</i> Hanf normal forms always exist and can be computed!
14:15–14:45	Coffee Break	
14:45–15:10	Florian Bruse Universität Kassel	The State of HFL Model-Checking
15:10–15:35	Felix Canavoi TU Darmstadt	A Modal Characterisation Theorem for Common Knowledge Logic
15:35–16:00	Marco Voigt Max-Planck-Institut für Informatik	A fine-grained hierarchy of complete problems in the separated fragment of first-order logic
16:00–16:15	Coffee Break	
16:15–16:40	Berit Grußien Humboldt-Universität zu Berlin	Capturing Polynomial Time using Modular Decomposition
16:40–17:05	Roman Rabinovich TU Berlin	Model-Checking for Successor-Invariant First-Order Formulas on Graph Classes of Bounded Expansion
17:05–17:30	Sebastian Siebertz TU Berlin	Polynomial Kernels and Wideness Properties of Nowhere Dense Graph Classes
17:30–17:45	Coffee Break	
17:45–18:10	Isolde Adler University of Leeds	Property Testing for structures of bounded degree
18:10–18:35	Martin Ritzert RWTH Aachen University	Learning first-order definable concepts over structures of small degree
20:00	Dinner	

Program Wednesday, March 8

9:00–9:25	Andre Frochoux Humboldt-Universität zu Berlin	Static Analysis of Monadic Datalog on Finite Labeled Trees
9:25–9:50	Erich Grädel RWTH Aachen University	Provenance Analysis in Logic and Games
9:50–10:15	Matthias Niewerth Universität Bayreuth	Enumeration of MSO Queries on Strings with Constant Delay and Logarithmic Updates
10:15–10:45	Coffee Break	
10:45–11:10	Christoph Berkholz Humboldt-Universität zu Berlin	Answering Conjunctive Queries under Updates
11:10–11:35	Jens Keppeler Humboldt-Universität zu Berlin	Answering FO+MOD queries under updates on bounded degree databases
11:35–12:00	Nils Vortmeier TU Dortmund	Connecting AC^1 and Dynamic Descriptive Complexity
12:00–12:15	Coffee Break	
12:15–12:40	Martin Grohe RWTH Aachen University	The Descriptive Complexity of Solving Linear Equation Systems and its Applications
12:40–13:05	Daniel Neuen RWTH Aachen University	An exponential lower bound for Individualization-Refinement algorithms for Graph Isomorphism