

AIMoTh 2018

March 5 & 6, 2018



mani mogo
Koreanische Küche
Preise 6,50 € - 10,50 €

esswirtschaft
Mittagsgerichte
Preise 4 € - 6 €

Mittagsgericht
Preise 4 € - 6 €

Albert Speisemanufaktur
Johann-Hittorf-Str. 8

Albert Sky Kitchen
Rudower Chaussee 29

Veranstaltungsort

Institut für Informatik
Rudower Chaussee 25

SUBWAY

Kaufland
Hier klar die Richtung!
Döner, Metzger,
Bäcker

ASIA SUSHI BAR
Preise 3 € - 8 €

Berlin-Adlershof

AIMoTh-Diner
Restaurant
Olympia Greek Food
Griechische Küche
Preise 7 € - 18 €

EAT GREEN!
Gesund unterwegs
Preise 3,50 € - 5,50 €

AZUMA
Asian Fine Kitchen
(Japanisch)
Preise 5 € - 10 €

bagel company

SONNENSCHN
Bistro (in Nr. 7B)
Mittagsgerichte
Preise 4 € - 7,90 €

ADLERS-HOF
Esskultur Adlers-Hof (in Nr. 9)
Mittagsgerichte
Preise 4 € - 6,50 €

Tagessuppe, warme Gerichte, Kuchen, belegte Bagels, Salate, Kaffee, Tee
Preise 5 € - 6 €

Backwaren, Suppen, belegte Bagels, Salate, Kaffee, Tee

Cafe & Bistro Albert
Salate, Mittagsgerichte, Flammkuchen, Kuchen, Kaffee, Tee
Preise 3,50 € - 5,30 €

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Lunch

In addition to the Mensa (where a mensa-card is necessary), the area surrounding our institute offers a variety of lunch options.

Welcome

The talks take place in the Department of Computer Science at lecture hall 3'001 (ground floor), Rudower Chaussee 25. We have coffee breaks in the Humboldt-Kabineett on the first floor of the same building.

Arriving via S-Bahn Berlin-Adlershof

The Department of Computer Science is in a 10 to 15 minutes walking distance from Adlershof station. Alternatively, you can take the

- Bus 162 in direction of "Rudow" or
- Bus 164 in direction of "Flughafen Schönefeld" or
- Tram 61/63 in direction of "Karl-Ziegler-Str." and get off at "Magnumsstraße" (directly across the entrance of the Department of Computer Science).

Dinner

On Monday, March 5, at 8 p.m. a joint (self-pay) dinner will take place at the restaurant "Olympia Greek Food", Rudower Chaussee 5 (close to S-Bahn station "Adlershof").

Internet

is accessible via *eduroam* on the campus, but is rather limited in the lecture hall.

Contact

Website: <http://www.informatik.hu-berlin.de/Logik/>
 Almoth2018
 email: almoth2018@informatik.hu-berlin.de

Programme

Monday, March 5	12:55-13:00	Nicole Schweikardt	Welcome
	13:00-13:25	Martin Otto, TU Darmstadt	Modal Logics with Questions
	13:25-13:50	Martin Ritzert, RWTH Aachen	Learning MSO-definable Hypotheses
	13:50-14:15	Mattias Niewerth, Uni Bayreuth	on Strings and Trees
	14:15-14:40	Coffee Break	
	14:40-15:05	Nicole Schweikardt, HU Berlin	Gatiman normal forms for counting extensions of first-order logic
	15:05-15:30	Julian Bitterlich, TU Darmstadt	finite f-inverse covers do exist
	15:30-15:55	Markus Schmid, Uni Trier	Regular Expressions with
	15:55-16:20	Marco Voigt, MPI, Saarbrücken	Backreferences - Hardness and Tractability of Matching
	16:20-16:55	Coffee Break	
	16:55-17:20	Svenja Schalhöfer, RWTH Aachen	What is Choiceless Logspace?
	17:20-17:45	Christoph Berkholz, HU Berlin	The Relation between Polynomial Calculus, Sherali-Adams, and Sum-of-Squares Proofs
	17:45-18:10	Peter Lindner, RWTH Aachen	Theories of Automatic Structures within the Exponential Time Hierarchy
	18:10-18:35	Yijia Chen, Fudan University	A parameterized halting problem, the linear time hierarchy, and the MRDP theorem
	20:00	Dinner	

Tuesday, March 6

09:00-09:25	Nils Vortmeier, Uni Dortmund	Reachability and Shortest Distances under Multiple Changes
09:25-09:50	Jens Koppel, HU Berlin	Answering UCCs under updates
09:50-10:15	Erich Grädel, RWTH Aachen	Provenance Analysis
10:15-10:45	Coffee Break	
10:45-11:10	Daniel Neuen, RWTH Aachen	Towards faster isomorphism tests
11:10-11:35	Daniel Wiebking, RWTH Aachen	Isomorphism of Bounded Tree Width Graphs
11:35-12:00	Gaurav Rattan, RWTH Aachen	Weisfeiler-Leman
12:00-12:15	Coffee Break	
12:15-12:40	Sebastian Siebertz, University of Warsaw	First-order interpretations of bounded expansion classes
12:40-13:05	Stephan Kreutzer, TU Berlin	On Zero-One and Convergence Laws for Graphs Embeddable on a Fixed Surface