



SCHLOSS DAGSTUHL
Leibniz-Zentrum für Informatik

Dagstuhl Seminar 24341

Proof Representations: From Theory to Applications

Aug 18 – Aug 23, 2024

Final schedule

Monday 19

09.00-10.15 Dale Miller: *About Trust and Proof: An experimental framework for heterogeneous verification*

10.15-10.45 Coffee

10.45-12.00 Introductions and free discussion

12.15-14.15 Lunch break

14.15-15.30 Richard Zach: *The Epsilon Calculus in Non-classical Logics: Recent Results and Open Questions*

15.30-16.00 Coffee and cakes

16.00-17.15 Special session: *Proof Theoretic Semantics*

18.00-19.00 Dinner

20.30 Beer talk -- Anupam Das

Tuesday 20

09.00-10.15 Bahareh Afshari: *Demystifying μ*

10.15-10.45 Coffee

10.45-12.00 Special session: *Universal Proof Theory*

12.15-14.15 Lunch break

14.15-15.30 Kaustuv Chaudhuri: *Direct Manipulation for Interactive Theorem Proving*

15.30-16.00 Coffee and cakes

16.00-17.15 Special session: *Deep inference*

18.00-19.00 Dinner

20.30 Beer talks: Zhibo Chen and Edi Pavlovic

Wednesday 21

09.00-10.15 Sara Negri: *Second order well behaved*

10.15-10.45 Coffee

10.45-12.00 Tutorial 1: Marianna Girlando on *Exotic proof systems*

12.15-14.15 Lunch break

FREE AFTERNOON (walk through the woods to be arranged)

15.30-16.00 Coffee and cakes

18.00-19.00 Dinner

20.30 Beer talks: Eben Blaisdell and Rajeev Goré

Thursday 22

09.00-10.15 Heinrich Wansing: *Negation inconsistent logics*

10.15-10.45 Coffee

10.45-12.00 Tutorial 2: Kaustuv Chaudhuri on *Abella*

12.15-14.15 Lunch break

14.15-15.30 Ian Pratt-Hartmann: *Proof Methods for Logics with Numerical Quantification*

15.30-16.00 Coffee and cakes

16.00-17.15 Special session: *Cyclic proofs*

18.00-19.00 Dinner

20.30 Beer talk: Matteo Acclavio

Friday 23

09.00- 09.25 Peter Schuster: *Ultimate Glivenko?*

09.25- 09.50 Andrzej Indrzejczak: *Proof Theory extended to definite description & other terms*

09.50- 10.15 Anela Lolic: *Epsilon Calculus and LK*

10.15-10.45 Coffee

10.45-12.00 Short talks:

Eben Blaisdell: *Nonassociative Relevant Logic*

Bruno Lopes: *A short note on expressiveness and complexity in propositional dynamic logic*

Lutz Strassburger: *What is Proof Theory?*

Matteo Acclavio: *Fantastic connectives & where to find them?*

Carlos Olarte: *The L-Framework*

Anupam Das: *Can focusing help obtaining good complexity bounds?*

12.15-14.15 Lunch break

FREE AFTERNOON