

WORKSHOP ON RECENT TRENDS IN PROOF THEORY

University of Bern, July 9 - 11, 2008

Institut für Exakte Wissenschaften, Sidlerstrasse 5, CH-3012 Bern, Lecture Room B7

Directions: see <http://www.lc08.iam.unibe.ch>

Wednesday, July 9, 2008

09.00-09.45	S. Wainer (Leeds)	Weak theories with "pointwise" induction
09.45-10.30	A. Cantini (Florence)	A footnote to the Parsons-Mints-Takeuti theorem in applicative context
10.30-11.15	Coffee	
11.15-12.00	A. Beckmann (Swansea)	Definable search problems in bounded arithmetic
12.00-12.45	K. Aehlig (Swansea)	Proof Complexity for Circuit Classes
12.45-14.15	Lunch	
14.15-15.00	H. Schwichtenberg (Munich)	Decorating proofs
15.00-15.45	R. Kahle (Lisboa)	Extended Predicative Universes
15.45-16.30	Coffee	
16.30-17.15	D. Probst (Bern)	A modular ordinal analysis of subsystems of second order arithmetic below $\Pi_1\text{-}3\text{-reflection}$
17.15-18.00	A. Setzer (Swansea)	Extended predicative universes part 2: $\Pi_1\text{-}3\text{-reflection}$

Thursday, July 10, 2008

09.00-09.45	J. Diller (Münster)	From Gödel's Dialectica interpretation to functional interpretations of constructive set theory
09.45-10.30	A. Weiermann (Ghent)	Recent results on unprovability
10.30-11.15	Coffee	
11.15-12.00	S. Negri (Helsinki)	Problems of proof theory in modal logic
12.00-12.45	R. Mc Kinley (Bern)	On non-confluence and normalization in classical logic.
12.45-14.15	Lunch	
14.15-15.00	R. Iemhoff (Utrecht)	Kripke models of constructive set theory
15.00-15.45	M. Rathjen (Leeds)	Lifschitz's realizability for set theories
15.45-16.30	Coffee	
16.30-17.15	P. Minari (Florence)	A solution to Curry and Hindley's problem on combinatory strong reduction
17.15-18.00	U. Berger (Swansea)	From coinductive proofs to exact real arithmetic

Friday, July 11, 2008

09.00-09.45	S. Artemov (New York)	On the unusual effectiveness of proof theory in epistemology
09.45-10.30	R. Kuznets (Bern)	Justifications: Quantitative and Qualitative Analysis
10.30-11.15	Coffee	
11.15-12.00	W. Pohlers (Münster)	Title to be announced
12.00-12.45	P. Gerhardy (Oslo)	Functional interpretation and the finite convergence principle
12.45-14.15	Lunch	
14.15-15.00	R. Dyckhoff (St Andrews)	Proof extraction from multi-succedent intuitionistic derivations
15.00-15.45	K. Brünnler (Bern)	An algorithmic interpretation of a deep inference system