

APPLIED PROOF THEORY 2022

PESCARA, AUGUST 29TH - SEPTEMBER 2ND, 2022

	<i>Monday 29</i>	<i>Tuesday 30</i>	<i>Wednesday 31</i>	<i>Thursday 1</i>	<i>Friday 2</i>
9:15		Berardi	van den Berg	Baaz	Ferreira
9:45	<i>premises</i>				
10:00	von Plato	Petrakis	Neuwirth	Aceto*	Pinto
10:45	<i>coffee break</i>	<i>coffee break</i>	<i>coffee break</i>	<i>trip</i>	<i>coffee break</i>
11:30	Leuştean	Ishihara*	Maggesi		López-Acedo
12:15	Sipoş	Fujiwara	Tesi		Nicolae
13:00	<i>lunch break</i>	<i>lunch break</i>	<i>lunch break</i>		<i>lunch break</i>
15:00	Oliva	Freund	Amato		Pischke*
15:45	Powell		Towsner*		Kohlenbach
16:30			Weiermann*		
16:45		<i>coffee break</i>	<i>coffee break</i>		<i>conclusion</i>
17:15	<i>reception</i>	working groups	working groups		

* = online talk.

Conference location

Università degli Studi "G. D'Annunzio" Chieti-Pescara
 Dipartimento di Economia - viale Pindaro 42, Pescara
 Room 9-11

TALKS

Luca Aceto (Reykjavik University & Gran Sasso Science Institute)

The importance of being negative: Non-finite axiomatisability results in process algebra

Gianluca Amato (Gabriele d'Annunzio' University of Chieti—Pescara)

Universal Algebra in UniMath

Matthias Baaz (Vienna University of Technology)

The proof-theoretic analysis of incorrect proofs

Stefano Berardi (University of Turin)

An Arithmetical Hierarchy of the Law of Excluded Middle and Related Principles

Giulio Fellin (University of Verona)

Glivenko-style results for nuclei in entailment relations

Fernando Ferreira (University of Lisbon)

The abstract type of the real numbers

Anton Freund (Technical University of Darmstadt)

Proof mining nonexpansive operators in Banach spaces

Makoto Fujiwara (Tokyo University of Science)

Proof interpretations on finite-type arithmetic and uniform provability in reverse mathematics

Hajime Ishihara (Japan Advanced Institute of Science and Technology)

Place holders

Ulrich Kohlenbach (Technical University of Darmstadt)

Proof Theory of Rectangular Operators and the Brezis-Haraux Theorem

Laurențiu Leuştean (University of Bucharest)

Proof mining in optimization and nonlinear analysis

Genaro López-Acedo (University of Seville)

Ulrich insight into the lion-man game

Marco Maggesi (University of Florence)

Building proof and countermodels in HOL Light of the provability logic GL

Stefan Neuwirth (University of Franche-Comté)

Kreisel and Lorenzen on proofs of the Cantor-Bendixson theorem

Adriana Nicolae (Babeş-Bolyai University)

Instances of proof mining in optimization theory

Paulo Oliva (Queen Mary University of London)

On the structure of realizability and functional interpretations

Iosif Petrakis (Ludwig Maximilian University of Munich)

Strong negation: from constructive mathematics to the theory of computable functionals TCF

Pedro Pinto (Technical University of Darmstadt)

Proof mining on PDE theory

Nicholas Pischke (Technical University of Darmstadt)

Proof Mining and Monotone Operator Theory

Thomas Powell (University of Bath)

Personal reflections on becoming an applied proof theorist, and thoughts for the future

Sam Sanders (Ruhr University Bochum)

Informal proof mining

Andrei Sipoş (University of Bucharest)

On extracting variable Herbrand disjunctions

Matteo Tesi (Scuola Normale Superiore)

On the embedding of intuitionistic logic in the logic of provability GL

Henry Towsner (University of Pennsylvania)

Proof Mining in Differential Algebra

Benno van den Berg (University of Amsterdam)

Applicative lattices for modified realizability

Jan von Plato (University of Helsinki)

Gödel, Barr's theorem, and the logic of provability: account of an anticipation

Andreas Weiermann (Ghent University)

On the monotone Bolzano-Weierstraß principle by Harvey Friedman