

SYSMICS2019

Syntax Meets Semantics

Amsterdam, The Netherlands
21-25 January 2019

Institute for Logic, Language and Computation
University of Amsterdam

MONDAY

11:00 - 12:45	REGISTRATION
12:45 - 13:00	WELCOME
13:00 - 14:00	Invited talk: A Dialectica model of relevant type theory <i>Valeria de Paiva</i>
14:00 - 15:00	On intuitionistic combinatorial proofs <i>Willem B. Heijltjes, Dominic J. D. Hughes and Lutz Straßburger</i> Intermediate logic proofs as concurrent programs <i>Federico Aschieri, Agata Ciabattoni and Francesco A. Genco</i>
15:00 - 15:30	COFFEE BREAK
15:30 - 17:30	Theorems of alternatives: An application to densifiability <i>Almudena Colacito, Nikolaos Galatos and George Metcalf</i> Generators and axiomatizations for varieties of PBZ*-lattices <i>Claudia Mureşan, Roberto Giuntini and Francesco Paoli</i> Semi-analytic rules and Craig interpolation <i>Amir Akbar Tabatabai and Raheleh Jalali</i> From tableaux to axiomatic proofs. A Case of relating logic <i>Tomasz Jarmużek and Mateusz Klonowski</i>
18:00	CONFERENCE RECEPTION

TUESDAY

9:00 - 10:00

Invited talk:

**Positive subreducts in finitely
generated varieties of
MV-algebras**

Tomáš Kroupa

10:00 - 10:30

COFFEE BREAK

10:30 - 12:00

**Infinitary connectives and Borel functions in
Łukasiewicz logic**

Antonio Di Nola, Serafina Lapenta and Ioana Leuştean

**Prime numbers and implication free reducts of
 MV_n -chains**

*Marcelo E. Coniglio, Francesc Esteve, Tommaso
Flaminio and Lluís Godó*

Preservation theorems in graded model theory

*Guillermo Badia, Vicent Costa, Pilar Dellunde, and
Carles Noguera*

12:00 - 14:00

LUNCH

14:00 - 15:00

Invited talk:

**On the axiomatizability of modal
many-valued logics**

Amanda Vidal

15:00 - 15:30

Substructural PDL

Igor Sedlár

15:30 - 16:00

COFFEE BREAK

16:00 - 17:30

**Propositional union closed team logics:
Expressive power and axiomatizations**

Fan Yang

**Credulous acceptability, poison games and modal
logic**

Davide Grossi and Simon Rey

**Constructing illoyal algebra-valued models of set
theory**

Benedikt Löwe, Robert Passmann and Sourav Tarafder

WEDNESDAY

9:00 - 10:00

Invited talk:
**Pro-aperiodic monoids via Stone
duality**
Sam van Gool

10:00 - 10:30

COFFEE BREAK

10:30 - 12:00

**(Co)Algebraic techniques for Markov decision
processes**
*Frank M. V. Feys, Helle Hvid Hansen and Lawrence S.
Moss*

**A (co)algebraic approach to Hennessy-Milner
theorems for weakly expressive logics**
*Zeinab Bakhtiari, Helle Hvid Hansen and Alexander
Kurz*

Proper convex functors
Ana Sokolova and Harald Woracek

12:00 - 14:00

LUNCH

14:00 - 15:00

Invited talk:
Algebraic functions
Miguel Camperchioli

15:00 - 15:30

**Universal objects for orders on groups, and their
dual spaces**
Almudena Colacito

15:30 - 16:00

COFFEE BREAK

16:00 - 17:30

**Simplified Kripke semantics for a generalized
possibilistic Gödel logic**
*Ricardo Rodríguez, Olim Tuijt, Francesc Esteva and
Lluís Godó*

Syntactical approach to Glivenko-like theorems
Tomáš Lávička and Adam Přenosil

From bunches to labels and back in BI logic
Didier Galmiche, Michel Marti and Daniel Méry

19:30

CONFERENCE DINNER

THURSDAY

9:00 - 10:00

Invited talk:

**An infinitary treatment of full
mu-calculus**

Bahareh Afshari

10:00 - 10:30

COFFEE BREAK

10:30 - 12:00

**Countermodels for non-normal modal logics via
nested sequents**

Björn Lellmann

Combinatorial proofs for the modal logic K

Matteo Acclavio and Lutz Straßburger

**On one-variable fragments of modal predicate
logics**

Valentin Shekhtman and Dmitry Shkatov

12:00 - 14:00

LUNCH

14:00 - 15:30

The one-variable fragment of Corsi logic

*Xavier Caicedo, George Metcalfe, Ricardo Rodríguez and
Olim Tsynt*

**The McKinsey-Tarski theorem for topological
evidence models**

*Alexandru Baltag, Nick Bezhanishvili and Saúl
Fernández González*

Trees and topological semantics of modal logic

*Guram Bezhanishvili, Nick Bezhanishvili, Joel
Lucero-Bryan and Jan van Mill*

15:30 - 16:00

COFFEE BREAK

16:00 - 17:00

**Representation theorems for Grzegorczyk contact
algebras**

Rafał Gruszczyński and Andrzej Pietruszczak

Multi-agent topological evidence logics

*Alexandru Baltag, Nick Bezhanishvili and Saúl
Fernández González*

20:00

PUBLIC LECTURE

FRIDAY

9:00 - 10:00

Invited talk:

**Inquisitive intuitionistic logic: An
application of nuclear semantics**

Wesley Holliday

10:00 - 10:30

COFFEE BREAK

10:30 - 12:00

**Characterization of metrizable Esakia spaces via
some forbidden configurations**

Guram Bezhanishvili and Luca Carai

Below Gödel-Dummett

Dick de Jongh and Fatemeh Shirmohammadzadeh Maleki

Epimorphisms in varieties of Heyting algebras

Tommaso Moraschini and Jamie J. Wannenburg

12:00 - 12:30

COFFEE BREAK

12:30 - 13:30

Invited talk:

**Free algebras endomorphisms:
Ruitenburg's Theorem and
beyond**

Silvio Ghilardi