

PROGRAMME LOGIC4PEACE 22 & 23 APRIL 2022,

Central European Summer Time, (CEST)

DAY 1 : FRIDAY 22 APRIL, MORNING CEST

TRACK A

09h00 – 09h05 Opening of the Conference Welcome Words by Sonja Smets
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Short 5 min Break

TRACK A

TRACK B

09h10 – 10h10 Parallel Session 1A: 3 talks CHAIR: Sara Uckelman Co-CHAIR: Mateusz Łetyk	09h10 – 10h10 Parallel Session 1B: 3 talks CHAIR: Vincenzo Dimonte Co-CHAIR: Clemens Kupke
Vladimir Svoboda and Jaroslav Peregrin. On the concept of logically incorrect argument	Nick Bezhanishvili, Luca Carai, Silvio Ghilardi and Lucia Landi. Admissibility of π_2 -Inference Rules: interpolation, model completion, and contact algebras
Federico Gobbo, Marco Benini and Jean H. M. Wagemans. Adpositional Argumentation: How Logic Originates In Natural Argumentative Discourse	Silvio Ghilardi, Alessandro Gianola, Deepak Kapur and Chiara Naso. Interpolation and Amalgamation for Arrays
Aybüke Özgün and A. J Cotnoir. Imagination and Mereotopology	Cleo Pau and Temur Kutsia. Proximity-Based Unification for Fully Fuzzy Signature

Short 5 min Break

10h15 – 11h15 Parallel Session 2A: 3 talks CHAIR: Pierre Wagner Co-CHAIR: Edi Pavlovic	10h15 – 11h15 Parallel Session 2B: 3 talks CHAIR: Fredrik Engström Co-CHAIR: Nick Bezhanishvili
Ansten Klev. The many senses of being in Martin-Löf type theory	Timothy Parker, Umberto Grandi and Emiliano Lorini. Ethical Planning with Multiple Temporal Values
Miriam Franchella. Towards pluralism: from Poincaré to Heyting - different kinds of intuition behind logic	Tin Perkov. Bisimulations between Veltman models and generalized Veltman models
Jan Wolenski. How Many Logical Constants?	Vicent Costa and Pilar Dellunde. Merging in the Horn fragment of Signed Logic

Short 5 min Break

11h20 – 12h20 Session 3A: 3 talks, CHAIR: Edi Pavlovic Co-CHAIR: Pierre Wagner	11h20 – 12h20 Parallel Session 3B: 3 talks CHAIR: Vincenzo Dimonte Co-CHAIR: Frederik Engström
Diderik Batens. Every Logic has its Proper Semantics.	The presentation by Marianna Plakhtiy is CANCELED
S. Kaan Tabakci. Change of Logic, Persistence of Subject	Aimé Jean and Charles Grellois. Modal μ -calculus and alternating parity tree automata: a direct translation
Heinrich Wansing. Beyond Paraconsistency. A plea for a radical breach with the Aristotelean orthodoxy in logic	Torben Braüner. Case study: Logical and mathematical understanding in comparison to other academic competences

Lunch Break Day 1

DAY 1 : FRIDAY 22 APRIL 2022, AFTERNOON CEST

TRACK A

TRACK B

13h10 – 14h30 Parallel Session 4A: 4 talks CHAIR: Sara Uckelman Co-CHAIR: Paul Egré	13h10 – 14h30 Parallel Session 4B: 4 talks CHAIR: Nick Bezhanishvili Co-CHAIR: Serafina Lapenta
Wilfrid Hodges. Logic from Greece to Central Asia to Western Europe and then Global: a single historical development?	Igor Sedlar. Program algebras
Peter van Emde Boas and Ghica van Emde Boas. Logic, and Text Tree Mind Maps: Analyzing Ancient Text	Fan Yang. Generalized propositional team semantics
Jonas Dagys. Semantics of affirmative necessity propositions in Buridan's modal syllogistics	Alessandro Linzi. Structures for relative quantifier elimination in valued fields
Martin Pleitz. Dualism About Generality	Daniil Khaitovich. Neighbourhood semantics and axioms for strategic fragment of classical stit logic

Short 5 min Break

14h35 – 15h55 Parallel Session 5A: 4 talks CHAIR: Joao Marcos Co-CHAIR: Elaine Pimentel	14h35 – 15h55 Parallel Session 5B: 4 talks CHAIR: Paul Egré Co-CHAIR: Marta Bilkova
Matteo Pascucci and Daniela Glavaničová. Applications of logic in the normative domain	Giacomo Lenzi and Antonio Di Nola. The spectrum problem for Abelian l-groups and MV-algebras
Norbert Gratzl and Edi Pavlovic. Is, Ought, and Cut	Serafina Lapenta. de Finetti coherence in infinitary logic
Diego Tajer. A dual theory of logical normativity	Marta Bilkova and Petr Cintula. Don't be afraid of infinitary logics
Oleksandr Tiaglo. Logic of Legal Reasoning and Argumentation	James Delgrande, Bryan Renne and Joshua Sack. The Logic of Probability Report

10 min Longer Break

16h05 – 16h55 Invited talk: CHAIR: Sonja Smets
Iryna Khomenko, Dale Hample, Cristián Santibáñez. Personal and Social Contexts for Arguing

Short 5 min Break

17h00 – 18h00 Parallel Session 6A: 3 talks CHAIR: Zuzana Hanikova Co-CHAIR: Soroush Rafiee Rad	17h00 – 18h00 Parallel Session 6B: 3 talks CHAIRS: Serafina Lapenta Co-CHAIR: Balder Ten Cate
Luiz Carlos Pereira and Elaine Pimentel. On an ecumenical natural deduction with stoup	Philip Kremer. The strong completeness of S4.2 in the dense-interior semantics
Ivo Pezlar. Associativity of deduction composition in natural deduction	Nick Bezhanishvili, Vincenzo Ciancia, David Gabelaia, Gianluca Grilletti, Diego Latella and Mieke Massink. LOGIC4P: Spatial Logic for Polyhedra
Camillo Fiore. A structural tonk	Adam Trybus. Coordinatising Affine Spatial Logics
Announcements and Closing day 1	Announcements and Closing day 1

DAY2 : SATURDAY 23 APRIL 2022, MORNING CEST

TRACK A

TRACK B

9h00-10h00 Parallel Session 7A: 3 talks CHAIR: Silvio Ghilardi Co-CHAIR: Aybüke Özgün	9h00-10h00 Parallel Session 7B: 3 talks CHAIRS: Elaine Pimentel Co-CHAIR: Mateusz Łełyk
Joke Meheus. A formal logic for backward causal connectives	Tomasz Kowalski and Michal Botur. Lambda-rho products of magmas
Valentin Goranko and Fengkui Ju. A Logic for Conditional Local Strategic Reasoning	Mircea Dumitru. Modal Frame Incompleteness. An Account through Second Order Logic
Mitsuhiro Okada. "Disagreement in Logic" and "The Role of Logic".	Joseph Almog, Vesa Halava and Gabriel Sandu. Logic and the ultimate completeness ideal: Model theory vs. Universe theory

Short 5 min break

10h05 – 11h05 Parallel Session 8A: 3 talks CHAIRS: Rineke Verbrugge Co-CHAIR: Emiliano Lorini	10h05 – 11h05 Parallel Session 8B: 3 talks CHAIRS: Mateusz Łełyk Co-CHAIR: Sonja Smets
Alejandro Solares-Rojas and Marcello D'Agostino. Tractable depth-bounded approximations to FDE	Joanna Luc and Tomasz Placek. On the logic of (relativistic) coordinate frames
Allard Tamminga and Barteld Kooi. Two-sided sequent calculi for FDE-like four-valued logics	K. P. Hart. When linguists do Set Theory
Gareth Pearce. The Epistemic Value of Non-Classical Truth	Sophie Pinchinat, Sasha Rubin and Francois Schwarzentruher. Formula synthesis in propositional dynamic logic with shuffle

Short 5 min Break

11h10 – 12h10 Parallel Session 9A: 3 talks CHAIRS: Cezary Cieslinski Co-CHAIR: Silvio Ghilardi	11h10 – 12h10 Parallel Session 9B: 3 talks CHAIRS: Clemens Kupke Co-CHAIR: Aybüke Özgün
Dean McHugh. Imagining a different world: defining sufficiency using truthmaker semantic	Mateusz Lelyk. The Tarski Boundary: a cartographic report.
Volodymyr Navrotskyi. Transmission of Justification in Plausible Arguments.	Robert Passmann. On the logical structure of constructive set theories
Nadiia Kozachenko. Artificial relevance as a way to strengthen an argument	Tarmo Uustalu, Niccolò Veltri and Cheng-Syuan Wan. Logics of skew categorical structures

Lunch Break Day 2

DAY 2 : SATURDAY 23 APRIL 2022, AFTERNOON CEST

TRACK A

TRACK B

13h20 – 14h40 Parallel Session 10A: 4 talks CHAIR: Zuzana Hanikova Co-CHAIR: Aybüke Özgün	13h20 – 14h40 Parallel Session 10B: 4 talks CHAIR: Marta Bilkova Co-CHAIR: Joao Marcos
Can Baskent. Multi-valued and Modal Truth Diagrams	Andrew Tedder. R-Mingle and the Danger of Safety
Paula Pompilia Tomi. Semantic and Metaphysical Deflationism	Marta Bilkova, Sabine Frittella, Daniil Kozhemiachenko, Ondrej Majer and Sajad Nazari. Reasoning with belief functions over Belnap--Dunn logic
Vít Punčochář. Semantic relativity and syntactic sensitivity	Daniil Kozhemiachenko. Non-contingency in a paraconsistent setting
Noah Friedman-Biglin. Kan't Liberalism and Logical Pluralism	Yaroslav Shramko. R-Mingle in the framework of a purely Tarskian logic: Safety completed

Short 5 min Break

14h45 – 16h05 Parallel Session 11A: 4 talks CHAIR: Soroush Rafiee Rad Co-CHAIR: Emiliano Lorini	14h45 – 16h05 Parallel Session 11B: 4 talks CHAIR: Antonis Achilleos Co-CHAIR: Marcin Milkowski
Nataliia Viatkina. Socio-Semantic Networks of Knowledge, Common Meanings and Common Problems	Clemens Kupke, Johannes Marti and Yde Venema. On the Size of Disjunctive Formulas in the μ -calculus
Robby Finley. Disagreement About Logic: Using Foundational Debates to Reconsider Theory Choice in Logic	The presentation by Mohamad Awwad is CANCELED
The presentation by Melissa Fusco is CANCELED	Giuseppe Primiero. Proof-Checking Trustworthiness of Biased Labelling Methods
Ori Simchen. Rules and Self-Citation	Denis Saveliev. On modal logics of model-theoretic relations

15 min Longer Break

16h20 – 17h40 Parallel Session 12A: 4 talks CHAIR: Alexandru Baltag Co-CHAIR: Soroush Rafiee Rad	16h20 – 17h40 Parallel Session 12B: 4 talks CHAIR: Balder Ten Cate Co-CHAIR: Emiliano Lorini
Joao Marcos. There will be consequence	Bas van den Heuvel. United Linear Logic: Comparing Classical and Intuitionistic Propositions as Sessions
Gaia Belardinelli and Thomas Bolander. DEL-models of attention	Noah Schweber and Wesley Holliday. First-order modal logic and set theory
Adam Björndahl. Knowledge Second	Tomas Veloz. The Underlying Logic of Interdisciplinary Systems' Emergence in Science
Kevin Kelly. Topology: Empirical, Metaphysical, and Erotic	Muhammad Usama Sardar and Christof Fetzer. Demystifying Attestation in Intel Trust Domain Extensions (TDX) via Formal Verification

Short 5 min Break

17h45 – 18h00: Closing of the Conference CHAIR: Sonja Smets
Iryna Khomenko and Yaroslav Shramko