

# **The Ninth Conference: *Non-Classical Logic. Theory and Applications***

September 24–27, 2018; Toruń, Poland  
Collegium Minus, “Harmonijka”, street Fosa Staromiejska 1a, room IX, 1st floor

## **Monday, 24<sup>th</sup>**

- 10:00 Registration, Collegium Minus, “Harmonijka”, room IX, 1st floor.  
10:45 Opening Conference – Radosław Sojak, Dean of the Faculty of Humanities, Nicolaus Copernicus University

*Chairman:* Heinrich Wansing

- 11:00 **Plenary lecture:** Alasdair Urquhart – *A notion of logical space*  
12:00 **Plenary lecture:** María Manzano – Hybrid partial type theory  
13:00 María Manzano, Manuel A. Martins, Patrick Blackburn and Antonia Huertas – Completeness of hybrid partial type theory  
13:30–15:00 *Break for Lunch*

*Chairman:* Patrick Blackburn

- 15:00 **Plenary lecture:** Andrzej Indrzejczak – Natural deduction in Jaśkowski's research and teaching  
16:00 Anna Glenszczyk – Properties of intuitionistic control logic  
16:30 Krystyna Misiuna – The adjunction rule in probabilistic reasoning  
17:00–17:30 *Coffee break*

*Chairman:* Janusz Ciuciura

*A session devoted to Łoś's contribution to philosophical logic*

- 17:30 Marcin Tkaczyk, Tomasz Jarmużek and Anna Karczewska – Jerzy Łoś and the origin of temporal logic  
18:00 Marcin Czakon – Mathematical structuralism vs mathematical methods  
18:30 Tomasz Jarmużek – A logic with R-operator as a metalogic of non-classical logics

## **Tuesday, 25<sup>th</sup>**

*Chairman:* Max Urchs

- 9:00 **Plenary lecture:** Heinrich Wansing and Daniel Skurt – Negation as cancellation, connexive logic, and qLPm  
10:00 Tomasz Połacik – Conservativity of classical set theory over its constructive counterpart  
10:30 Jiří Raclavský – Logic for 2D-conception of inference  
11:00–11:30 *Coffee break*

*Chairman:* Janusz Kaczmarek

- 11:30 Zalan Gyenis – On the modal logic of statistical inference  
12:00 Grigory Olkhovikov – Restricted interpolation in Stit logic  
12:30 Piotr Kulicki and Robert Trypuz – A unified logical framework for reasoning about deontic properties of actions and states of affairs  
13:00 Piotr Łukowski and Adam Olszewski – Two facts on the basic logic of partial order  
13:30–15:00 *Break for lunch*

*Chairman:* Piotr Kulicki

- 15:00 **Plenary lecture:** Max Urchs – On Jaśkowski's discussive conjunction  
16:00 Vit Puncoschar and Igor Sedlar – Inquisitive propositional dynamic logic  
16:30 Mateusz Klonowski and Tomasz Jarmużek – Functional completeness of relating connectives  
17:00–17:30 *Coffee break*

*Chairman:* Marcin Tkaczyk

17:30 Janusz Kaczmarek – Atomistic and non-atomistic theory of situations

18:00 Daniele Chiffi, Massimiliano Carrara and Ciro De Florio – Pragmatic logics for hypotheses

18:30 Mateusz Radzki – The Rosser-Turquette axiom systems for finite-valued logics of Łukasiewicz and the mutual definability of propositional connectives

## Wednesday, 26<sup>th</sup>

*Chairman:* Tomasz Połacik

9:00 **Plenary lecture:** Peter Schroeder-Heister – Identity, contraction and cut: How do these principles interact?

10:00 Fengkui Ju – Conditionals in multi-agent future control logic

10:30 Rafał Gruszczyński and Giangiacomo Gerla – Aleksander Śniatycki system of point-free geometry

11:00–11:30 *Coffee break*

*Chairman:* Grigory Olkhovikov

11:30 Huimin Dong – The dynamic effect of ceteris paribus on permission

12:00 Manuel Crescencio Moreno Gomez – Intensional predication and Gödel's ontological proof

12:30 Janusz Ciuciura – A hierarchy of paraconsistent logic

13:00 Luis Estrada-González – Consistency, possibility and connexivity

13:30–15:00 *Break for lunch*

*Chairman:* Peter Schroeder-Heister

15:00 **Plenary lecture:** Walter Carnielli – Evidence and truth as an epistemic approach to paraconsistency (remote lecture)

16:00 René Gazzari – Occurrences and substitution

16:30–17:00 *Coffee break*

*Chairman:* Rafał Gruszczyński

17:00 William Brown – The intermediate logic of the Lebesgue measure algebra

17:30 Paweł Płaczek – Cut elimination for nonassociative bilinear logic

18:00 Aleksandra Samonek – About the Polish translation of Jaśkowski's paper entitled "On tautologies in which no variable occurs more than twice"

20:00 *Conference dinner*

## Thursday, 27<sup>th</sup>

*Chairman:* Fengkui Ju

9:00 **Plenary lecture:** Sergei P. Odintsov – From 'Star' and 'Perp' to HYPE via WFS. A logical journey

10:00 Peter Verdée – Relevance in classical logic: semantics and proof theory

10:30 Sándor Jenei – A generalization of Hahn's embedding theorem and a completeness result

11:00–11:30 *Coffee break*

*Chairman:* Andrzej Indrzejczak

11:30 **Plenary lecture:** Jean-Yves Béziau – Paraconsistent propositions: Philosophical and mathematical aspects

12:30 Krzysztof Krawczyk, Tomasz Jarmużek and Rafał Palczewski – The Church-Fitch paradox in paracomplete setting result

13:00 Piotr Łukowski and Konrad Rudnicki – Psychophysiological approach to the liar sentence. Jean Buridan's principle put to test

13:30 Closing of the Conference