

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

September 27–29, 2012; Toruń, Poland

Collegium Minus, “Harmonijka”, Fosa Staromiejska Street 1a, room IX, 1st floor

Thursday, 27th

12:00 Registration, Collegium Minus, “Harmonijka”, room IX, 1st floor.

13:00 Opening Conference – Zbigniew **Nerczuk**, Vice Dean of the Faculty of Humanities, Nicolaus Copernicus University

Chairman: Jacek **Malinowski**

13:10 Diderik **Batens**, PLENARY LECTURE: *A Pedagogically Useful Relevant Implication and Some General Lessons*, Centre for Logic and Philosophy of Science, Ghent University

14:10 Andrzej **Indrzejczak** and Michał **Zawidzki**, *Proof systems for strong hybrid logics*, Department of Logic and Methodology of Sciences, University of Łódź

14:45 Gerard **Allwein**, William L. **Harrison** and David **Andrews**, *Simulation logic*, Naval Research Laboratory; Department of Computer Science, University of Missouri, and Department of Computer Science and Computer Engineering, University of Arkansas

15:20 Libor **Běhounek**, *Introspection of vague knowledge in fuzzy epistemic logic*, Academy of Science of the Czech Republic

15:55 Krystyna **Misiuna**, *Cognitive information and probability*, Institute of Philosophy, University of Warsaw

16:30 Coffee break

Chairman: Yaroslav **Shramko**

16:45 Frederik **Van De Putte**, *Logic-based prioritization in a multi-modal framework*, Centre for Logic and Philosophy of Science, Ghent University

17:20 Aleksy **Molczanow**, *Heisenberg’s principle of indeterminacy: Transcendental Philosophy vs. the Logic of Quantum Mechanics*, Chair of Logic and the Methodology of Science, University of Rzeszów

17:55 Mirosława **Kołowska-Gawiejnowicz**, *Powerset residuated algebras*, Department of Computation Theory, Adam Mickiewicz University

18:30 Jiří **Raclavský**, *Is transparent intensional logic a logic? (On interaction of semantics and deduction)*, Department of Philosophy, Masaryk University

18:50 Karolina **Rożko**, *Refutation and interpolation*, Institute of Philosophy, University of Zielona Góra

20:00 Dinner in Gromada hotel

Friday, 28th

Chairman: Peter **Verdée**

- 8:30 Pavel **Materna**, PLENARY LECTURE: *Is transparent intensional logic a non-classical logic?*, Academy of Sciences of the Czech Republic and Masaryk University
- 9:30 Marek **Nowak**, *On the counterparts of partitions for tolerance relations*, Department of Logic and Methodology of Sciences, University of Łódź
- 10:05 Akihiro **Yoshimitsu**, *Causal Theory of Vagueness*, Faculty of Law and Letters, University of the Ryukyus
- 10:40 Coffee break

Chairman: Andrzej **Indrzejczak**

- 11:00 Marie **Duží**, PLENARY LECTURE: *On the degrees of necessity*, Department of Computer Science, VŠB-Technical University Ostrava
- 12:00 Gianluigi **Bellin**, *Co-intuitionistic logic justified*, Faculty of Mathematical, Physical and Natural Sciences, University of Verona
- 12:35 Grzegorz **Malinowski**, *Identity and many-valuedness*, Department of Logic and Methodology of Sciences, University of Łódź
- 13:10 Neil **Coleman**, *In defense of psychologism-lite*, Department of Philosophy, University of Bristol
- 13:45 Break for lunch in Gromada hotel

Chairman: Gerard **Allwein**

- 15:00 Jan **Woleński**, PLENARY LECTURE: *An Abstract Approach to Bivalence*, Institute of Philosophy, Jagiellonian University
- 16:00 Peter **Verdée**, *Paraconsistent logic and degrees of belief*, Centre for Logic and Philosophy of Science, Ghent University
- 16:35 Coffee break

Chairman: Mariusz **Urbański**

- 16:50 Wojciech **Krysztofiak**, *The logical syntax of numerals*, Institute of Philosophy, University of Szczecin
- 17:25 Daniel **Molto**, *Numbers, identity and relativity*, Department of Philosophy, University of York
- 18:00 Anna **Brożek**, *Logic of prescriptions vs logic of instructions*, Institute of Philosophy, University of Warsaw
- 18:35 Tomasz **Jarmużek**, *Tableau Metatheory for Modal Logics*, Department of Logic, Nicolaus Copernicus University
- 20:00 Conference dinner at “Gromada Hotel”

Saturday, 29th

Chairman: Libor **Běhounek**

- 8:30 Yaroslav **Shramko**, PLENARY LECTURE: *Why do we need generalized truth values?*, Department of Philosophy, Kryvyi Rih National University
- 9:30 Marcin **Tkaczyk**, *Distribution problem in positional logic*, Department of Logic, Catholic University of Lublin
- 10:05 Petr **Švarný**, *BCont models a short introduction and their application in physics*, Department of Logic, Charles University in Prague
- 10:40 Coffee break

Chairman: Jan **Woleński**

- 11:00 Mariusz **Urbański** and Katarzyna **Paluszkiewicz**, *Three-valued inquisitive semantics*, Chair of Logic and Cognitive Science, Adam Mickiewicz University
- 11:35 Aleksandra **Kiślak-Malinowska**, *Pregroup grammars – between theory and practice*, Chair of Logic and Foundations of Computer Science, University of Warmia i Mazury
- 12:10 Paolo **Maffezioli**, Alberto **Naibo**, *Proof theory of epistemic logic of programs*, Department of Theoretical Philosophy, University of Groningen, and Department of Philosophy University Paris 1 Panthéon-Sorbonne
- 12:45 Petr **Švarný**, *Starting a Flame War*, Department of Logic, Charles University in Prague
- 13:05 Rafał **Gruszczyński** and Andrzej **Pietruszczak**, *On some non-classical systems of mereology*, Department of Logic, Nicolaus Copernicus University
- 13:40 Break for lunch in Gromada hotel

Chairman: Tomasz **Jarmużek**

- 15:00 Anna **Karczewska**, *Conditionals in Fuzzy Logic*, The Faculty of Philosophy, Catholic University of Lublin
- 15:35 Natalia **Kurdubska**, *Negacja w logice relewantnej*, Department of Logic, Nicolaus Copernicus University
- 16:10 Kaja **Bednarska**, *Formalizacja logiki RM3 przy użyciu rachunku hipersekwentów*, Institute of Philosophy, University of Łódź
- 16:40 Jacek **Wolski**, *Propozycja rozwiązania problemu wszechwiedzy*, Institute of Philosophy, University of Warsaw
- 17:10 Closing Conference – Tomasz **Jarmużek** and Marek **Nasieniewski**, Department of Logic, Nicolaus Copernicus University