Ústav informatiky
Akademie věd České republiky

Pod Vodárenskou věží 2, 182 07 Praha 8

ÚI AV ČR ve spolupráci s Odbornou skupinou pro logiku, pravděpodobnost a usuzování České společnosti pro kybernetiku a informatiku

pořádá

v seminární místnosti ÚI AV ČR - místnost č. 318
(stanice metra C Ládví)

Seminář aplikované matematické logiky

který se schází **ve středu v 10.00 hod.**

Program na únor 2017:

1. 2. 2017 - *Hitoshi Omori*
Sette, Jaśkowski, and beyond

One of the simple approaches to paraconsistent logic is in terms of three-valued logics. Assuming the standard behavior with respect to the "classical" values, there are only two possibilities for paraconsistent negation, namely the negation of the Logic of Paradox and the negation of Sette's logic $\mathbf{P}^1$. From a philosophical perspective, the paraconsistent negation of $\mathbf{P}^1$ is less discussed due to the lack of an intuitive reading of the third value. Based on these, the aims of the paper are twofold. First, I present a semantics for $\mathbf{P}^1$ à la Jaśkowski. The new semantics can be seen as an improved version of the so-called society semantics devised by Carnielli and Lima-Marque. Second, based on the new semantics, I discuss a classification of paraconsistent logics.

15. 2. 2017 - *Igor Sedlár*
Non-Fregean logics and hyperintensional modalities

It is widely acknowledged that some natural language modalities are hyperintensional, i.e., they do not correspond to properties of propositions (identified, as is usual, with sets of possible worlds). As such, hyperintensional modalities seem to be beyond the expressive capabilities of modal logic. In the first part of the talk, we correct this widespread opinion by generalizing the neighborhood semantics for modal logic to a hyperintensional modal framework. It is pointed out that several kinds of representations of hyperintensional modalities known from the literature are in fact special cases of this general framework. In the second part of the talk, we outline a general study of expansions of propositional logics with hyperintensional modalities.