Ústav informatiky
Akademie věd České republiky

Pod Vodárenskou věží 2, 182 07 Praha 8

ÚI AV ČR ve spolupráci s Odbornou skupinou aplikované matematické logiky 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.**

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Pozor! Změna začátku!
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Program na prosinec 2015:

9. 12. 2015 - *Zuzana Haniková*
Syntactic fragments in FLew-algebras

Syntactic fragments of theories occur by imposing restrictions on the syntax of formulas, without reference to an interpretation. Membership in the restricted class is typically trivial to test, so any decision procedures for the theory also works for the fragments. Sometimes the converse is also true: a fragment is no easier to decide than the theory. I will discuss two ways of obtaining syntactic fragments of the universal/existential theory of FLew-algebras and subvarieties: restricting the set of function symbols (of the FLew language), and imposing restrictions on the Boolean formula in the matrix (of a prenex-form universal/existential formula). I will recall some existing results for both types of fragments. The focus of the talk is on identities of the semigroup fragments and the implicational fragments of some fuzzy logics.