

Katedra aplikovanej informatiky FMFI UK  
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Spoločný seminár Umelej inteligencie

## **Pozvánka**

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blok I, prízemie

na prednášku

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## **Robust Approximate Optimization for Large Scale Planning Problems**

### **Abstract**

I address a general class of optimization problems known as sequential decision making, which involves maximizing the expected utility of a sequence of actions taken over some finite or infinite period of time. Rich formal models for sequential decision making already exist. The Markov Decision Process (MDP), in particular, has been shown to provide a very effective framework with several advantages. The framework is extremely general in terms of its expressive power – almost every problem can be mapped easily into an MDP (or one of its variants). MDPs thus offer a tradeoff between the complexity of modeling and the computational time required to solve the problem.

Ján Šefráneek

Vladimír Kvasnička

web stránka:

[http://www2.fiit.stuba.sk/~kvasnicka/Seminar\\_of\\_AI](http://www2.fiit.stuba.sk/~kvasnicka/Seminar_of_AI)