Topic: Intelligent Tutoring Systems

Themes:
- ITS in general
- Student Modeling

Intelligent Tutoring Systems (Natural Language Tutor)


Student Modeling in Tutoring Systems


Topic: Machine learning in Dialogue Systems

Themes:

· Reinforcement Learning
· Supervised Learning
· Unsupervised/Semi-supervised Learning
· Bayesian Networks

Reinforcement Learning


Supervised Learning


Unsupervised/Semi-supervised Learning


Bayesian Networks


20. C. Wai; H.M. Meng; R. Pieraccini (2001) Scalability and Portability of a Belief Network-based Dialog Model for Different Application Domains. HLT.
Topic: (Spoken) Dialogue Systems (ISP sub-area: NLP)

Themes:
· Dialogue Strategy Learning
· User simulation for Dialogue Systems

Theory
1. Jurafsky, D. & Martin, J. H. (2000). *Speech and Language Processing: An Introduction to Natural Language Processing, Computational Linguistics, and Speech Recognition*, (Chapter 18, 19 (new))

Dialogue Systems – Practice

Dialogue Managers – Learning Dialogue Strategy

**Dialogue Managers – Simulated User**


**Dialogue System Evaluation**

2000.