

Conversational Agents in Intelligent Tutoring Systems

- **ITS with agents**

Tactical Language & Culture System
AutoTutor & AutoTutor-LITE
MetaTutor, DeepTutor, Guru, iSTART
Operation ARA with dialogues
AutoMentor with multiparty games

- **Why agents?**

Modeling learning & social interaction
Social interactions needed for difficult
conceptualizations
The face is the universal interface
Handles ill-defined subject matter

- **Capabilities**

Advances in computational linguistics
Respond to emotions and motivation in
addition to cognition
Dialogue management is improving
Speech & facial depiction is improving

- **Scaling up**

Web delivery
Authoring tools for language,
discourse, multimedia, agents
Educational data mining
Mobile environments
Collaborative problem solving