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Assessment with Computer Agents that Engage in Conversational Dialogues and  
Trialogues with Learners

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### Highlights

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1. Computer agents interact with humans in dialogues and trialogues with two agents.
2. Intelligent agents reliably analyze many but not all aspects of natural language.
3. Human tutoring has systematic discourse patterns that can be simulated by agents.
4. Intelligent tutoring systems with agents improve learning of difficult content.
5. Computer agents are used in conversation-based formative and summative assessments.

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