1. DIALOG MEMORY MODEL [1]

2. CHALLENGES

- IMPROVE performance of dialog systems in real-life cases with a good task adaptation.
- DEVELOP new memory-based models inspired by human cognitive memory models in order to have more realistic dialogs.
- EVALUATE the model on mixed goal-oriented tasks including chitchat subdialogs.

3. PROPOSITION [3]

4. APPLICATION

New architecture for cognitive memory based goal-oriented dialog system with:

- WORKING MEMORY - buffer conversation history
- EPISODIC MEMORY - past conversations
- SEMANTIC MEMORY - knowledge base
- Strong dynamic coupling between the three memory modules

5. EXPECTED RESULTS

6. FUTURE WORK

REFERENCES


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