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Context-Aware Decision Making Under Uncertainty for Voice-based Control of Smart Home

Pedro Chahuara, François Portet, Michel Vacher

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Highlights

- Unified framework for decision systems to handle uncertainty and logical knowledge
- The context awarness make it possible natural voice commands
- The framework make it possible the integration of new inference modules
- The context aware decision module can be learned from data
- Experimented in a real smart home with people interacting with the system by voice

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