

Probabilistic Hypothesis Driven, Adaptive Human-Robot Teams



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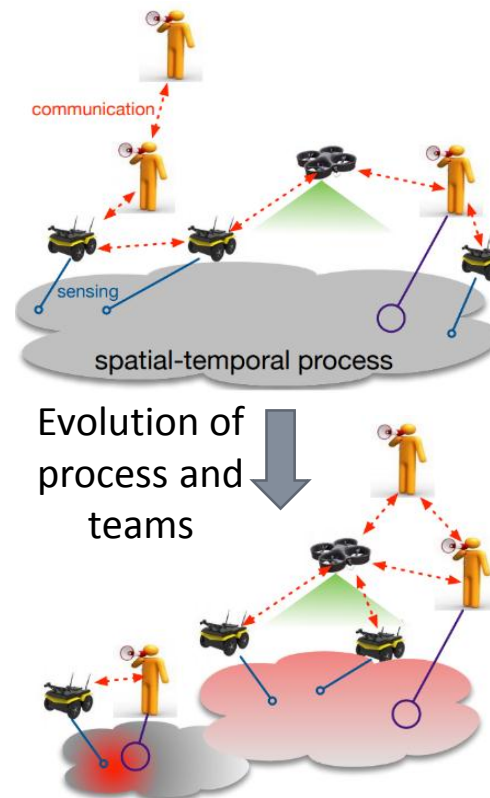
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Challenge

- Cooperation for human-robot teams operating in complex environments evolving over time

Solution

- Human-aware multiagent planning
- Novel interaction modalities based on natural language



Scientific Impact

- Enabling key attributes: rich human-robot communication, planning with complex processes
- Preliminary results: 2x planning horizon w.r.t. state-of-the-art multirobot search planner

Broader Impact

- Applications: SaR, homeland security, disaster response, ...
- Outreach activities with high schools