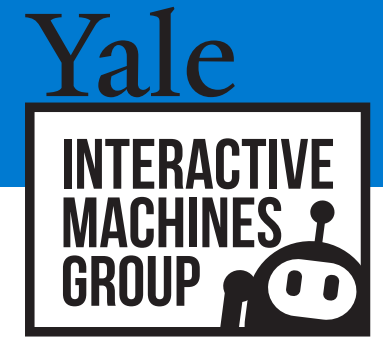


NRI: FND: Spatial Patterns of Behavior in HRI Under Environmental Spatial Constraints



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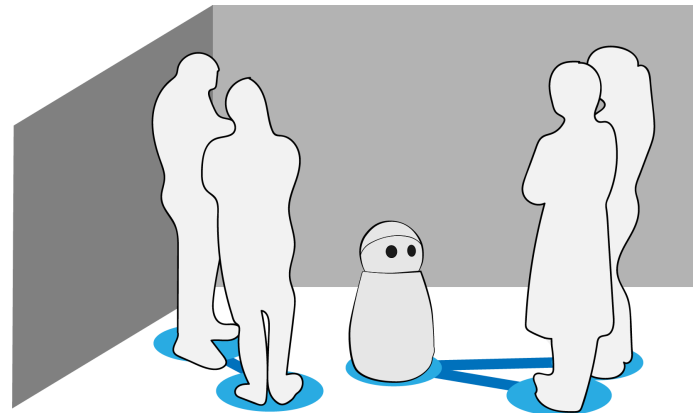
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Challenge

- Enable robots to adapt to social contexts and group interactions.

Solution

- Reason about human spatial patterns of behavior.
- Key novelty: Incorporate spatial constraints into models of spatial behavior.



Scientific Impact

- Empirical knowledge and methods for social context understanding and decision making in HRI.

Broader Impact

- Advancing autonomy across HRI application domains.
- Efforts will help lower barriers of entry to study group interactions.
- Education of future roboticists.