

SOROBOT: SOcial Representations and acceptability Of human-centred roBOTics

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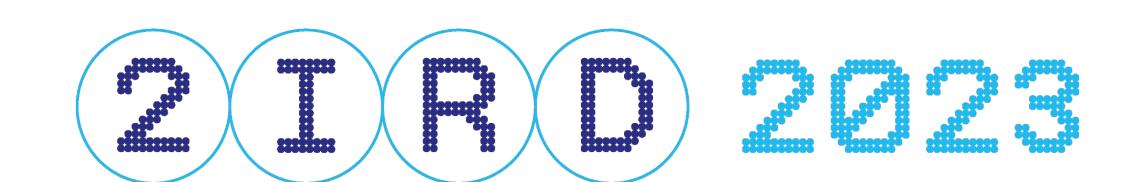
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Icam International Research Days









SOROBOT: SOcial Representations and acceptability Of human-centred roBOTics

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Keywords: Sociology, Robotics, Ethics

Context/Research purpose

- As robots and AI systems come closer to humans, ethical concerns arise about potential risks they present. In response, "human-centered robotics/AI" approaches know an important development.
- Adopting sociological view methods, SOROBOT aims to shed light on the mechanisms underlying the shaping of robots' social representations and acceptability in society.

Objectives of the thesis

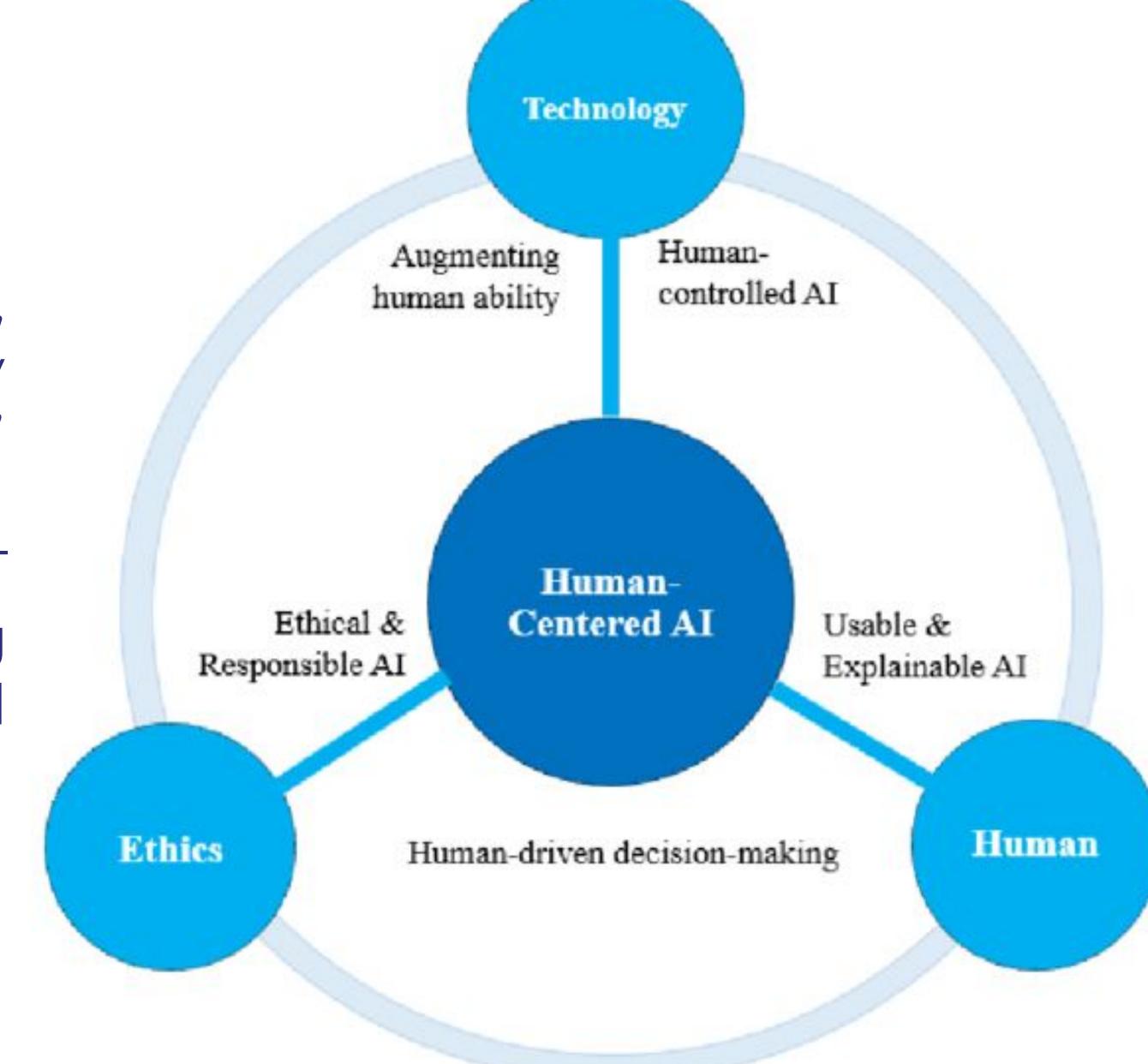
- Map initiatives on human-centered robotics (HCR)
- Identify key points to fulfil gaps between ethics reflexions and practices in robotics
- Qualify work transformations linked to robotization
- Analyze robots' adoption and acceptance in food industry and hotel restaurant sector

Description of the work

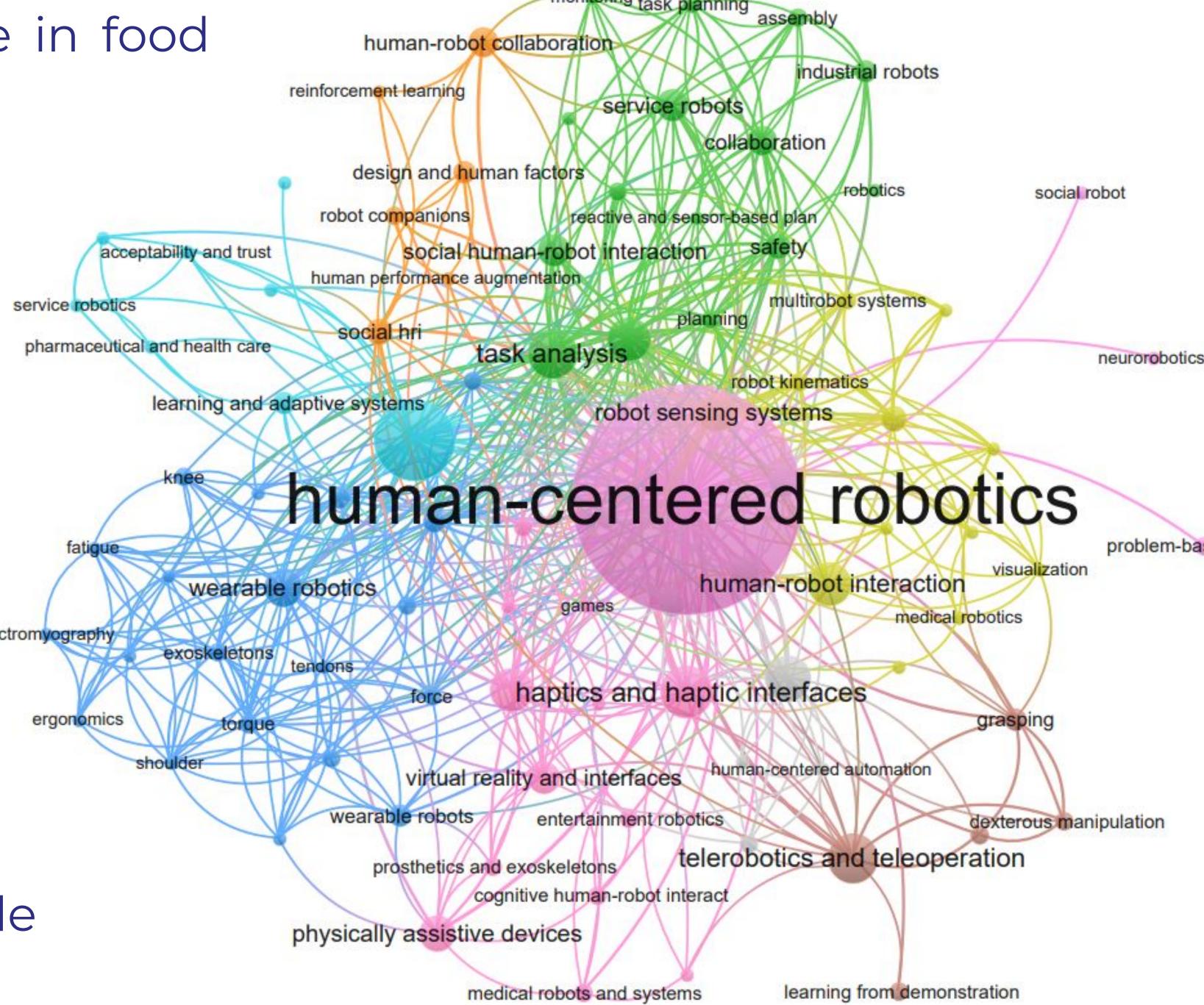
- Interviews conducted with researchers
- Bibliometric analysis and network modelization of HCR research field
- Elaboration of field survey protocol

Future work

- Interviews and observations in workplaces
- Analyze statistics related to robotization in food industry and hotel restaurant field
- Extend map on HCR mobilization to include political, economical or civil society actors



Human-Centered Al framework [1]



keyword co-occurrence network based on a corpus of 98 HCR publications





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