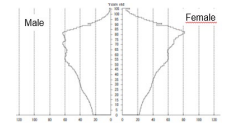


Towards Long-Term Relations in Social Robot Interactions

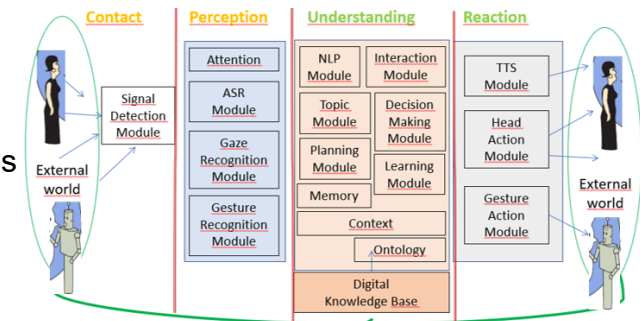
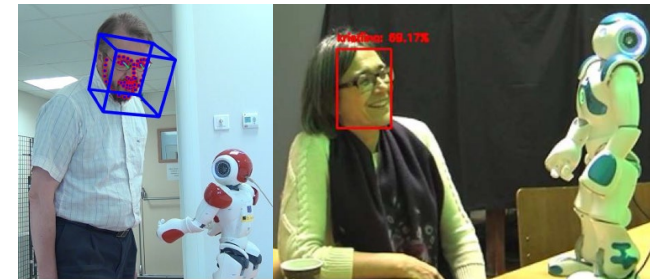
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- Impact of the new technology on everyday life
- Wide range of applications and digital information services: elder-care, health consultation, education, companions, assistive systems
- Relations that last longer than single occasional interactions:
 - Proactive reactions (reminders, assistance in advance)
 - Adaptation to the user's typical behaviour (interaction strategy, personality)
 - Recall previous interactive situations (shared context)
 - Create affective relations (joint history, memories)
- Recognising the returning user
 - Face detection
 - Other techniques: voice and gesture recognition, possibly walk recognition
 - General emotion detection
- Ethical and privacy issues
 - Data storing
 - Information acquired through sensors and dynamic context without the user's awareness: - critical value info, - less important info, - change is recorded and counted towards long-term monitoring
- Trust and cooperation



National Institute of Population and Social Security Research



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