The impact of personalization on human-robot interaction

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Motivation

- Human-centric environment → sociable and interactive.
- Improves user’s perception → overall competence.
- Model effective and engaging interactions.
- To present an interaction scenario with the NICO robot holding an engaging conversation with the users:
  - Autonomous interaction
  - Personalization → increase likeability.
  - Object learning scenario: Humanoidly Speaking.

Scenario

- Face Detection and Tracking
- Person Identification
- Speech Processing
- Conversation Modeling

Preliminary Results

- NICO as a personalised interactive social robot.
- Autonomous and personalised interaction.
- Participants perceived NICO to be more intelligent and likeable in personalised conversations, however having less social influence.

Conclusion

- Vote for NICO on Facebook!

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