

Turn-Taking

An interaction can be viewed as being in one of three stages: engagement, regulation, and disengagement.

1. Engagement	2. Regulation	3. Disengage
		→ R H

A contingency detector can tell a robot whether to engage or disengage a person (stages 1 and 3). After engaging, the dyad performs turn-taking to regulate interaction timing (stage 2).

The turn-taking process is highly multimodal and uses many channels for communicating turn state, including gaze, prosody, and whole-body gesture.



Turn-Taking for Human-Robot Interaction

Crystal Chao and Andrea L. Thomaz







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