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Investigating the Effect of Social Cues on Social Agency Judgement  
(Conference Paper)

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Abstract

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To advance the research area of social robotics, it is important to understand the effect of different social cues on the perceived social agency to a robot. This paper evaluates three sets of verbal and nonverbal social cues (emotional intonation voice, facial expression and head movement) demonstrated by a social agent delivering several messages. A convenience sample of 18 participants interacted with SociBot, a robot that can demonstrate such cues, experienced in sequence seven sets of combinations of social cues. After each interaction, participants rated the robot's social agency (assessing its resemblance to a real person, and the extent to which they judged it to be like a living creature). As expected, adding social cues led to higher social agency judgments; especially facial expression was connected to higher social agency judgments. © 2019 IEEE.

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Indexed keywords

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Engineering main heading: Economic and social effects

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