

Topic	Hello Mr. Robot I would like to talk to you, but why don't you understand me?
Overview	<p>Communication is a key factor for success in teams. Between humans, communication is both verbal (i.e., via words) as well as nonverbal (e.g., via facial expressions, body language). However, with the increasing use of digital assistants and robots in everyday work, the question arises whether people's communication behavior is changing. Do people communicate with robotic team members the same way they do with their human colleagues, or do they adopt their behavior?</p> <p>With this work you will deep dive into the communication behavior of humans within human-robot interactions and human-agent interactions.</p> <p>Exemplary research questions are:</p> <ul style="list-style-type: none"> - How do humans change their communication behavior when they interact with a robot or digital assistant? - Does nonverbal communication matters in human-robot interactions and human-agent interactions? - What communication problems occur in human-robot interactions and human-agent interactions? - In human-robot teams, is it important for robots to communicate nonverbally? <p>The various questions could be answered by reviewing videos available to the Marketing and Human Resource Management department.</p>
Language	English preferred
Additional information	<p>Start: September</p> <p>Type of thesis: Master thesis</p> <p>Requirements: interest in the topic</p>
Publication options	Excellent works can be submitted as international conference paper or to the working paper series on Market-oriented Management of the chair of Marketing and Human Resource Management.
Literature (examples)	<p>Breazeal, C., Kidd, C. D., Thomaz, A. L., Hoffman, G., & Berlin, M. (2005, August). Effects of nonverbal communication on efficiency and robustness in human-robot teamwork. In 2005 IEEE/RSJ international conference on intelligent robots and systems (pp. 708-713). IEEE.</p> <p>Stock, Ruth (2004): Drivers of Team Performance: What Do We Know and What Have We Still to Learn? In: Schmalenbach Business Review, 56 (3), pp. 274-306.</p> <p>Wolf, Franziska and Stock-Homburg, Ruth (2020): Human-Robot Teams: A review. Proceedings of the International Conference on Social Robotics</p>
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