Abstract

Lacking a common ground in Human-Robot Interaction is the main source of errors and miscommunications especially for remote exploration robotics. Advances in language and social psychology studies are the rescue, particularly the common ground theory. This paper reviews common ground theory, then it introduces a framework inspired by the miraculous history of Helen Keller. Then a case study is presented to investigate the proposed framework. Finally, the paper explores some potential future issues in the application of the proposed common ground approach in Human-Robot Interaction.

References

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**Index Terms**

Computer Science  
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**Keywords**

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