

Children's perception of synthesized voice: Robot's gender, age and accent

Anara Sandygulova, Gregory M P O'Hare

Department of Robotics and Mechatronics

Abstract

This paper presents a study of children's responses to the perceived gender and age of a humanoid robot Nao that communicated with four genuine synthesized child voices. This research investigates children's preferences for an English accent. Results indicate that manipulations of robot's age and gender are successful for all voice conditions, however some voices are preferred over the others by children in Ireland.

Original language	English
Pages (from-to)	594-602
Number of pages	9
Journal	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)
Volume	9388
State	Published - 2015

Sandygulova, A., & O'Hare, G. M. P. (2015). *Children's perception of synthesized voice: Robot's gender, age and accent*. *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 9388, 594-602. DOI: [10.1007/978-3-319-25554-5_59](https://doi.org/10.1007/978-3-319-25554-5_59)