Title	オンライン会議におけるコミュニケーション支援のためのマルチモーダル解析による感情推定システム
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Abstract

This study proposes a multimodal emotion estimation system to support communication in online meetings. The user's emotions are estimated, the estimation results are organized in order of probability, and the emotions are augmented by superimposing pictograms on the camera image, making it easier to understand the other person's emotions.

In this experiment, to verify the effectiveness of the system, we conducted an online experiment and administered a questionnaire with four different patterns: no presentation of emotion estimation results, presentation of the partner's emotion estimation results, presentation of one's own emotion estimation results, and presentation of each other's emotion estimation results. Although we could not obtain positive responses regarding the accuracy of the emotion estimation, the results of the questionnaire suggest that the presentation of the estimated results of emotions is effective in supporting communication in online meetings in the pattern of presenting the estimated results of the partner's emotions and in the pattern of presenting each other's emotions. It is considered that the system's presentation of the partner's emotion, which can only be guessed from the partner's facial expressions and actions, may have functioned as an indicator when communicating. However, further detailed investigation is needed on how to present the estimated results, such as by adding movements to emoji.