Affective Computing For Empathic Behaviour Change

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***Abstract*—Humans communicate only xHumans strive to build machines that can interact with humans in a humanoid way. This is why it is crucial for a computer to be able to understand in which emotional state the user is in. To achieve such a feat there are different approaches. In this paper I give an overview over the body language approaches done today and propose a model which analyses emotions based on the way a human subject walks. [1]**

I. Introduction

Write something general about emotions, cite darwin etc. See paper on desktop.

II. Interpreting body language

Explain how body langauge is interpreted in general, some psychological references.

III. Extract body language

explain the problem of body language extraction.

IV. Summary of approaches

V. Emotion detection through gait

- Hard to detect only with body language. More accurate if facial expression taken into account. - Each person has its own individual walk, would need some training on the specific person. However it could be easily trainable

VI. Conclusion

VII. Future work

Acknowledgement

References

[1] S. Singh, N. Sethi, and V. Sharma, "Significance of bodily movement for detection and analysis of emotions: A."