NO Answer from Face? Continuous Emotion Detection Using EDA Signals

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Abstract—
Index Terms—Affective Computing, Emotion Detection, Music, Human-Robot Interaction, Autism Spectrum Disorders.
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1 Introduction

M USIC, performed by instrument, is created to express emotions. However, learning how to play can be a different story, even to those who have talent in music. Facial expressions could be a reliable representation of emotions from individuals for most of the cases. However, it could be challenge for Autism Spectrum Disorders (ASDs) populations. Electrodemal activity (EDA) signals which is considered as a periphery

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- 2 BACKGROUND
- 2.1 Continuous Emotion Classification
- 2.2 Human-Robot Interaction (HRI)
- 3 EXPERIMENT SETUP AND DATA COLLECTION
- 3.1 Xylo-Bot: An Interactive Music Teaching System
- 3.2 Video-Audio Annotation
- 4 METHODS

"If you want to find the secrets of the universe, think in terms of energy, frequency and vibration."

-Nikola Tesla

- 4.1 EDA Signals
- 4.2 Complex-Morlet (C-Morlet) Wavelet Transform
- 4.3 Support Vector Machine (SVM)
- 5 EXPERIMENT RESULTS
- 6 CONCLUSION

The conclusion goes here.

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APPENDIX A

PROOF OF THE FIRST ZONKLAR EQUATION

Appendix one text goes here.

APPENDIX B

Appendix two text goes here.

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The authors would like to thank...

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Michael Shell Biography text here.

PLACE
PHOTO
HERE

John Doe Biography text here.

Jane Doe Biography text here.

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