Biometrics and Security Speaker Recognition

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Categories and Subject Descriptors:

Additional Key Words and Phrases: keywords, keywords, keywords

1. MOTIVATION

tons of blabla [George Doddington 1998]

2. HYKE PROJEKT

—allgemeine informationen
—verbidung zu unserem
—unterschiede zu unserem

3. OUR APPROACH

—aufgabenstellung
—our processing chain
—AAFE
—WEKa

4. DATABASE

—male, female
—recordings, length
—format, kompression?
—noise, telephone device

5. PRE-PROCESSING

—Was haben wir gemacht?
—Warum?
—mit welchem ergebnis?

6. FEATURE EXTRACTION

—Benutzung von AAFE
—Woher kommt er?
—Was macht er?
—Wie?

7. POST-PROCESSING

—Benutzung von WEKA
—Was haben wir gemacht?
—Warum?
—mit welchem ergebnis?
—Befehle aus weka?

8. CLASSIFICATION

—Ansatz?
—Welche Classifier?
—Was sind das fr Classifier?
—Anwendung mit train und test set
—results classifier
—Interpretation fr auth
—results auth
—vergleich mit hyke

9. DODDINGTONS ZOO

—Vorstellung des Zoos
—Anwendung
—Results

10. CONCLUSION

—past stuff

11. FUTURE WORK

—future stuff

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REFERENCES

Alvin Martin Mark Przybocki Douglas Reynolds George Doddington, Walter Liggett. 1998. SHEEP, GOATS, LAMBS and WOLVES - A Statistical Analysis of Speaker Performance in the NIST 1998 Skeaper Recognition Evaluation. *National Institute of Standards and Technology* (1998).

APPENDIX

A. TASK DESCRIBTION

Run your prototype on the collected data and perform a performance evaluation with your prototype. The evaluation must include:

The evaluation must include:

—Closed set speaker authentication on the Hyke speech database

—Compare the results achieved (in terms of authentication performance) to th results persented in

—A projection of the samples in your data set to the characters of 'Doddingtons Zoo'