Appendix 2.2

Report of International Conference Presentation

Name: (Presenter)	Kasorn GALAJIT
Affiliation:	NECTEC, National Science and Technology Development Agency
Project Title:	Spoof Detection for Automatic Speaker Verification
Name of International Conference: (Link to website)	The 19th International Joint Symposium on Artificial Intelligence and Natural Language Processing (iSAI-NLP 2024) https://isai-nlp-aiot2024.aiat.or.th/index.html
Title of Research Paper:	ThaiSpoof : An extension to current methods and database catering advanced spoof detection
Name of all Co-authors (if any)	Puntika Leepagorn, Khaing Zar Mon, Kasorn Galajit, Jaya Shree Hada, Navod Neranjan Thilakarathne, Jessada Karnjana

Comments or feedback received at the conference:

(e.g. Questions or comments received by your presentation)

Comment from reviewers

In this study, the researchers created a new dataset called ThaiSpoof, which contains fake voice samples specifically for the Thai language, generated using the multilingual speech (MMS) model.

In the experimental phase of this study, CNN model is used to train and demonstrate performance using two distinct text-to-speech datasets: the VAJA dataset and the MMS dataset. To assess these datasets, two feature extraction techniques, LFCC and MFCC, were employed as front-end features, with the CNN model serving as the classifier.

Based on the above, eventhough new new algorithms were proposed the paper did perform various comparison, i.e. MMS and VAJA; LFCC and MFCC.

A suitable framework was applied to demonstrate the performance of their ThaiSpoof datasets.

Questions and comments:

There is one question and one suggestion.

The question is that the domain of VAJA and MMS is the same.

    <u>Answer</u> Depend on what type of domain you consider. If we consider its function, both are speech synthesis. However, VAJA is only available for THAI language while MMS is work well with multilanguage.

The suggestion is to be adding more spoofed methods and we should introduce more spoofed types for evaluation.

Contribution to the project:

(e.g. Summary of your session or other sessions related with your presentation)

This paper studies the development of ThaiSpoof dataset which are dataset for spoof detection in Thai language. This is so directly contributed to the project.

Photos

=

[Required Documents]
- A) Presentation Materials (e.g., PPT slides)
- B) Final Program of the conference

Reporter: Kasorn GALAJIT

Date: 21/11/2024