

am a Human”:

A Speech-based Method to

Detect Spammers in VOIP

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VOIP

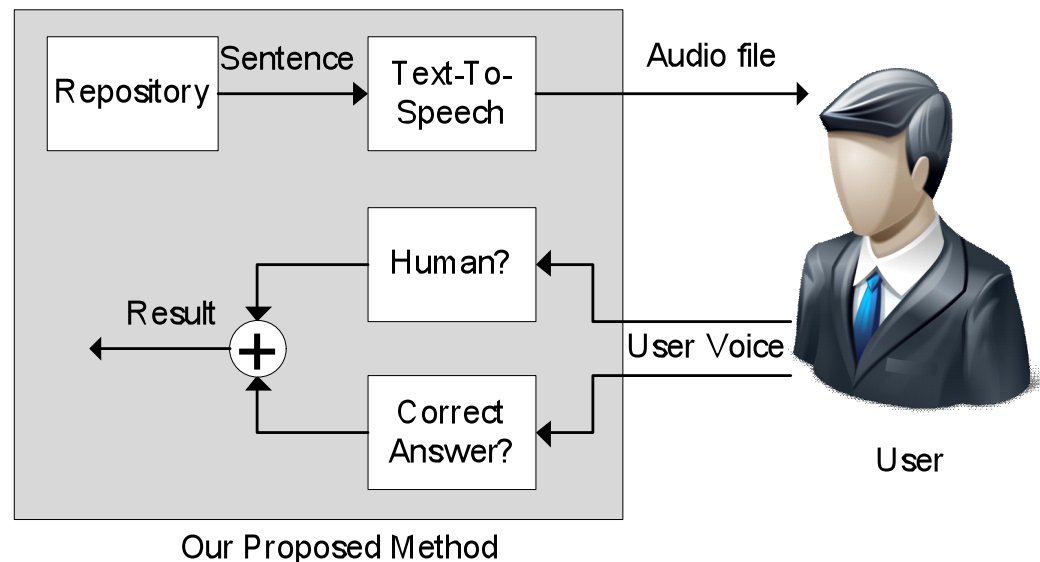
- ☞ VOIP: Voice Over IP
- ☞ Use Internet to make telephone calls
- ☞ Cheap long distance and international calls
- ☞ Replacing current landline phones

Spam

- ☞ Serious problem for emails
- ☞ More annoying in VOIP network
 - Calls in the middle of night
 - Waste time to answer them
 - Could not redirect to voice mail easily
 - Change the two-way nature of phone call
- ☞ One of the major research concerns for VOIP network security

Our System

- ☞ Verify the caller is human
- ☞ Easy to use over the phone
- ☞ Idea: asks the user to repeat a sentence and analyze the response to detect computers



Do you want to test it?

- ☞ Conducting a user study to collect user's opinion
- ☞ Call the system: 647-478-8352
- ☞ Fill out questionnaire at:
<http://frazier.cs.toronto.edu/survey/>
- ☞ Participants will included in a draw for the Acer 10.1" netbook with approximate retail value of \$300
- ☞ More info? spokencaptcha@cs.toronto.edu