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IOP Conference Series: Materials Science and Engineering

Volume 260, Issue 1, 7 November 2017, Article number 012042

6th International Conference on Mechatronics 2017, ICOM 2017; International Islamic University Malaysia (IIUM) Gombak Campus Kuala Lumpur, Malaysia; 8 August 2017 through 9 August 2017; Code 131673

Speech to Text Translation for Malay Language (Conference Paper)

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Abstract

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The **speech** recognition system is a front end and a back-end process that receives an audio signal uttered by a speaker and converts it into a **text** transcription. The **speech** system can be used in several fields including: therapeutic technology, education, social robotics and computer entertainments. In most cases in control tasks, which is the purpose of proposing our system, wherein the speed of performance and response concern as the system should integrate with other controlling platforms such as in voiced controlled robots. Therefore, the need for flexible platforms, that can be easily edited to jibe with functionality of the surroundings, came to the scene; unlike other software programs that require recording audios and multiple training for every entry such as MATLAB and Phoenix. In this paper, a **speech** recognition system for **Malay language** is implemented using Microsoft Visual Studio C#. 90 (ninety) **Malay** phrases were tested by 10 (ten) speakers from both genders in different contexts. The result shows that the overall accuracy (calculated from Confusion Matrix) is satisfactory as it is 92.69%. © Published under licence by IOP Publishing Ltd.

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[Software program](#) [Speech recognition systems](#)Engineering main heading: [Speech recognition](#)

ISSN: 17578981

Source Type: Conference Proceeding

Original language: English

DOI: 10.1088/1757-899X/260/1/012042

Document Type: Conference Paper

Volume Editors: Rashid M.M., Hamid S.B.A., Akmeiliawati R.

Sponsors: Kuliyah of Engineering, International Islamic University Malaysia

Publisher: Institute of Physics Publishing

References (5)

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