

BUKTI KORESPONDENSI ARTIKEL JURNAL INTERNASIONAL BEREPUTASI

Judul Artikel : Enhanced multi-ethnic speech recognition using pitch shifting
generative adversarial networks

Nama Jurnal : IAES International Journal of Artificial Intelligence (IJ-AI),

Publhiser : Institute of Advanced Engineering and Science (IAES).

Quarttile Scopus : Q2

SJR : 0.341

Penulis Korespondensi : Kristiawan Nugroho

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1. Submission to International Journal of Artificial Intelligence (IJ-AI),

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Prof. Dr. Eugene Yu-Dong Zhang ijai@iaesjournal.com [lewat](#) kirimdata.id
kepada saya ▾

Min, 29 Okt 2023, 08.44 ☆ ↶ ⋮

🗨️

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-- IJ-AI for writing format and style: <https://iaescore.com/gfa/ijai.docx>
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Dear Prof/Dr/Mr/Mrs. Kristiawan Nugroho,

Thank you for submitting the manuscript, "Enhanced Multi-ethnics Speech Recognition Using Pitch Shifting Generative Adversarial Networks" to IAES **International Journal of Artificial Intelligence** (IJ-AI), ISSN/e-ISSN 2089-4872/2252-8938. This **journal** is indexed in Scopus (<https://www.scopus.com/sourceid/21100901206>) and all published papers since the 2018 issues have been included in [scopus.com](https://www.scopus.com). This **journal** has been included in the SCImago **Journal** Rank (<https://www.scimagojr.com/journalsearch.php?q=21100901206&tip=sid&clean=0>) since 2020 (or since SJR 2019). The IAES **International Journal** of Artificial Intelligence (IJ-AI) has an SJR of 0.402 (Q2), SNIP of 0.845, and a CiteScore of 3.4. With the online **journal** management system that we are using, you will be able to track its progress through the editorial process by logging in to the **journal** web site:

Manuscript URL:
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Paper submitted : 29 Oktober 2023

2. Decision to Revised



Prof. Dr. Eugene Yu-Dong Zhang yjz@iaesjournal.com [lewat](#) kirimdata.id
kepada saya, Kristophorus, Felix, Dhendra, Omar ▾

Min, 11 Feb 2024, 10.48 ☆ ↶ ⋮



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-- Paper ID# 24484
-- Please strictly use the IJAI Template & Guide of Authors:
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-- Minimum of 25 references for research papers; minimum of 50 references for review papers
-- Please submit the revised paper within 8 weeks
-- Failing to do proper revision may lead to the rejection of your paper
=====

Dear Prof/Dr/Mr/Mrs Kristiawan Nugroho,

We have reached a decision regarding your submission entitled "Enhanced Multi-ethnics Speech Recognition Using Pitch Shifting Generative Adversarial Networks" to [IAES International Journal of Artificial Intelligence](#) (IJ-AI). This journal is indexed in Scopus (<https://www.scopus.com/sourceid/21100901206>) and all published papers since 2018 issues were included in scopus.com. This journal has been included in SCImago Journal Rank (<https://www.scimagojr.com/journalsearch.php?q=21100901206&tip=sid&clean=0>) since 2020 (or since SJR 2019). The IAES [International Journal of Artificial Intelligence](#) has an SJR of 0.35, SNIP of 0.592 and CiteScore of 2.3 is reasonably meaningless.

Our decision is to major revisions required

Reviewer A:

When it comes to structuring the body of an article, it's important to keep things organized and coherent. Start with a solid introduction that grabs the reader's attention. Follow it up with a logically arranged sequence of paragraphs that each cover a different aspect of the main topic. Use topic sentences to clearly indicate the main point of each paragraph. To maintain flow, use smooth transitions between paragraphs. Finally, conclude with a concise summary or final thoughts that tie everything together.

Method section:

Method should describe how you conducted your research and the experimental procedure. One of the most important considerations when writing the method section is that it should be detailed enough to allow other researchers in your field to replicate your experiments and results. You should arrange all of the steps in a logical order so that your readers can easily follow your description.

Results and Discussion section:

An excellent discussion is well-organized. A rigorous and concise discussion section is one of the keys to achieving an excellent paper. It serves as a critical platform to interpret and connect your findings with the broader scientific context.

The structure presented below is a traditional 6-step approach for composing a well-crafted discussion section.

1). Introduction—mention gaps in previous research

Example: This study investigated the effects of ".....". While earlier studies have explored the impact of ".....", they have not explicitly addressed its influence on ".....".

2). Summarizing key findings—let your data speak

Example: We found that "....." correlates with ".....". The proposed method in this study tended to have an inordinately higher proportion of "....." as ".....".

3). Interpreting results—compare with other papers

Example: Our study suggests that higher "....." is not associated with poor performance in ".....". The proposed method may benefit from ".....".

Reviewer B:

The paper introduction should answer three questions: what, why, and how. After the introduction, the reader should understand what the paper is about, why it is worth reading, and how you plan to build your arguments.

- What? Be specific about your paper's topic, provide background information, and define key terms or concepts.
- Why? This is the most important, yet also the most difficult, section of the introduction. Provide brief answers to the following questions: What new material or insight do you have to offer? What major issues does your essay help define or address?
- How? To help the reader understand what to expect from the rest of the paper, the introduction should include a "map" of what will be discussed, briefly presenting the key elements of the paper in chronological order.

Consider these points by yourself:

- Does the title clearly describe the article?
- Problem addressed: Does it accurately describe the author's intended outcome and clearly state the problem under investigation? Typically, the introduction should summarize relevant research to provide context and explain how other authors' findings, if any, are being challenged or extended.
- Background: Does it include relevant work? Does it offer one or more perspectives with which to contrast this paper?
- Strategy: Does it explain the problem being addressed?
- Major difficulties: Does it describe the major challenges encountered during the process?
- Outcomes: Does it describe the main results, lessons learned, and mistakes made?
- Open research avenues: Does it explain the future perspectives that the work provides?
- Conclusion/Discussion: Are the conclusions and discussions clearly presented and explained?

Give a detailed description of the techniques you used.

To keep the paper manageable in length, summarize key findings in tables, be concise, and use online supplement tables or figures.

Reviewer C:

Does the paper contain an original contribution to the field?:

Yes

Is the paper technically sound?:

Yes

Does the title of the paper accurately reflect the major focus contribution of this paper?:

Yes

Please suggest change of the title as appropriate within 10 words

:

Is the abstract a clear description of the paper?:

Yes

Is the paper well written (clear, concise, and well organized)?:

No

Are the equations, figures and tables in this **journal** style, clear, relevant, and are the captions adequate?:

Yes

Please score the paper on a scale of 1 - 10 as per the directions below:

8-10 Excellent - Outstanding

6-7 Good

5-6 Average

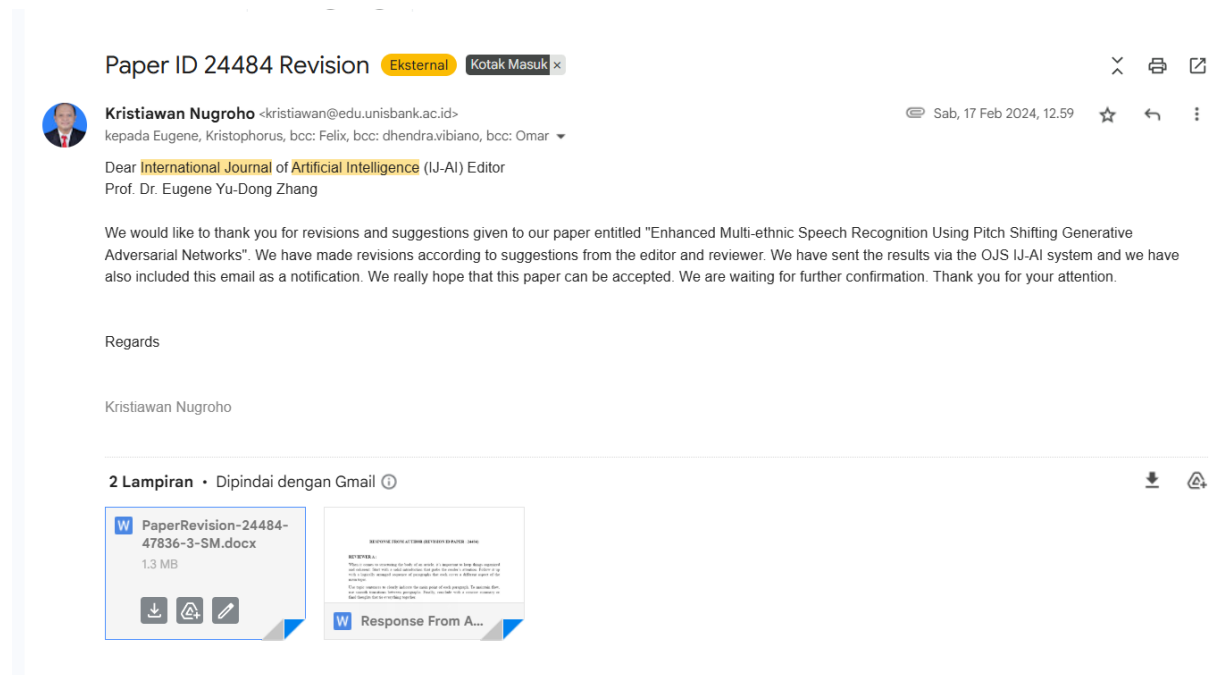
2-4 Poor

0-1 Very Poor

:

5

3. Revision & Modification



Responded from Author : ([Link](#))

4. Submit Final Paper and Decision of Submission (Accepted)



Kristiawan Nugroho <kristiawan@edu.unisbank.ac.id>
kepada dhendra.vibiano, Eugene, Kristophorus, Felix, Omar ▾

Jum, 15 Mar 2024, 07:57 ☆ ↶ ⋮

Dear Prof. Dr. Eugene Yu-Dong Zhang
IAES **International**
Journal of Artificial Intelligence (IJ-AI) Editor

We thank you for our paper with title "Enhanced Multi-ethnic Speech Recognition Using Pitch Shifting Generative Adversarial Networks" has been accepted for publication in the IJAI **journal**. Through this email we send:

1. Final camera-ready paper (in MS Word)
2. Report on similarity (via Turnitin)
3. Proof of Payment (Bank Transfer)

We hope that our paper will be published soon and thank you for your attention and cooperation.

Regards

Kristiawan Nugroho

3 Lampiran • Dipindai dengan Gmail ⓘ



[IJAI] Decision ACCEPTED - "Enhanced Multi-ethnic Speech Recognition Using Pitch Shifting Generative Adversarial Networks" Eksternal Kotak Masuk ✕



Prof. Dr. Eugene Yu-Dong Zhang ijai@iaesjournal.com [Jawat](#) kirimdata.id
kepada saya, Kristophorus, Felix, Dhendra, Omar ▾

Jum, 15 Mar 2024, 10:57 ☆ ↶ ⋮

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The following message is being delivered on behalf of IAES **International**
Journal of Artificial Intelligence (IJ-AI).

-- Paper ID# 24484

Dear Prof/Dr/Mr/Mrs. Kristiawan Nugroho,

It is my great pleasure to inform you that your paper entitled "Enhanced Multi-ethnic Speech Recognition Using Pitch Shifting Generative Adversarial Networks" is ACCEPTED and will be published in the forthcoming issue of the **IAES International Journal of Artificial Intelligence** (IJ-AI), a Scopus indexed **journal** (see: <https://www.scopus.com/sourceid/21100901206>).
Congratulations!!

Your cooperation is very appreciated

Sincerely yours,
Prof. Dr. Eugene Yu-Dong Zhang
University of Leicester
ijai@iaesjournal.com

5. Proofread and Checking Final Paper

**IAES IJ-AI** <ijai.layoutdesk@gmail.com>
kepada saya, kristophorus.hadiono, felix ▾

Jum, 10 Mei 2024, 09.44 ☆ ↶ ⋮

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-- Paper ID: 24484
-- Title: Enhanced multi-ethnic speech recognition using pitch shifting generative adversarial networks

Dear Dr. Kristiawan Nugroho

I am Muhammad Cahyo Wicaksono writing on behalf of the layout and editing team, under the auspices of the **IAES International Journal of Artificial Intelligence (IJ-AI)** team. We are glad to inform you that your paper is in the layout stage for possible publication in the forthcoming issue of this **journal**. Your cooperation for final checking and/or updating your paper is required. Please find the attached file (including comments and/or marked parts) to take further actions. Kindly submit your updated paper within 5 days.

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Kind Regards,
Muhammad Cahyo Wicaksono
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ISSN/e-ISSN 2089-4872/2252-8938



Editor in Chief: ijai@iaesjournal.com
Staff: ijai.layoutdesk@gmail.com

#REVISION ID 24484, **IAES International Journal of Artificial Intelligence (IJ-AI)** Publish 2024 Eksternal Kotak Masuk ×

**IAES IJ-AI** <ijai.layoutdesk@gmail.com>
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Muhammad Cahyo Wicaksono
Layout and Editing Team
Editorial Staff on behalf of Editor-in-Chief

Revised Paper : ([Link](#))

6. Full Published (Volume 13 No 03, September 2024)



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Enhanced multi-ethnic speech recognition using pitch shifting generative adversarial networks

Kristiawan Nugroho, Kristophorus Hadiono, Felix Sutanto, Dhendra Marutho, Omar Farooq

Abstract

Research in the field of speech recognition is a challenging research area. Various approaches have been applied to build robust models. A problem faced in speech recognition research is overfitting, especially if there is insufficient data to train the model. A large enough amount of data can train the model well, resulting in high accuracy. Data augmentation is an approach often used to increase the quantity of dataset. This research uses a data augmentation approach, namely pitch shifting, to increase the quantity of speech dataset, which is then processed into spectrogram data and then classified using a generative adversarial network (GAN). Using the pitch shifting-generative adversarial network (PS-GAN) model, this research produces high accuracy performance in multi-ethnic speech recognition, namely 98.43%, better than several similar studies.

Keywords

Data augmentation; Generative adversarial network Multi-ethnic; Pitch shifting; Speech recognition

Full Text:
[PDF](#)

DOI: <http://doi.org/10.11591/ijai.v13.i3.pp2904-2911>

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