

April 18, 2023

Dr. Ankit Agrawal,  
Dr. Timon Rabczuk,  
Dr. Guoren Wang,  
Editors-in-Chief  
*Computers, Materials & Continua*

Dear Editor:

We wish to submit an original article for publication in *Computers, Materials & Continua* titled “Using Speaker-specific Emotion Representations in wav2vec 2.0-based modules for Speech Emotion Recognition”. The paper was co-authored by Somin Park, Mark Mpabulungi, and Bogyung Park.

Robust speech emotion recognition is essential for frictionless human-machine interaction, where machines respond to human instructions with context-aware actions. In this study, two modules (speaker identification network and emotion classification networks) based on the wav2vec 2.0 architecture are proposed for the generation of a speaker-specific emotion representation suitable for speech emotion recognition. A novel fusion technique that supports the integration of the representation generated by the speech emotion network into the emotion classification network is also proposed. Experimental results show that the proposed speaker-specific emotion representation approach outperforms previous methods.

This manuscript has not been published or presented elsewhere in part or entirety and is not under consideration by another journal. We have read and understood your journal’s policies, and we believe that neither the manuscript nor the study violates any of these. All authors have read the final manuscript, approve the submission to this journal, and accept full responsibility for the manuscript’s delivery and contents. We are committed to paying the article processing charge. There are no conflicts of interest to declare.

Thank you for your consideration. We look forward to hearing from you.

Sincerely,  
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