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2019 7th International Conference on Mechatronics Engineering, ICOM 2019
October 2019, Article number 8952056
7th International Conference on Mechatronics Engineering, ICOM 2019; Putrajaya; Malaysia; 30 October 2019 through 31 October 2019; Category numberCFP1951N-ART; Code 156771

Deep Learning Methods for Facial Expression Recognition   (Conference Paper)

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Abstract

Deep learning is very popular methods for facial expression recognition (FER) and classification. Different types of deep learning algorithms have been used for FER such as deep belief network (DBN) and convolutional neural network (CNN). In this paper, we analyze various deep learning methods and their results. We have chosen Deep convolutional neural network as the best algorithms for facial expression detection and classification. In our study, we have tested the algorithm using Japanese Female facial expressions database (JAFFE) datasets by anaconda software. The deep convolution neural networks with JAFFE datasets accuracy rate around 97.01%. © 2019 IEEE.

SciVal Topic Prominence ⓘ

Topic: Face recognition | Human computer interaction | Recognition FER

Prominence percentile: 99.318   ⓘ

Author keywords

(Convolutional neural networks (CNN))   (deep belief network (DBN))   (facial expression classification)
(Facial expression recognitions (FER))

Indexed keywords

Engineering controlled terms: (Convolution) (Face recognition) (Learning algorithms) (Neural networks) (Software testing)

Engineering uncontrolled terms: (Convolution neural network) (Convolutional neural network) (Deep belief network (DBN)) (Facial expression classification) (Facial expression detections) (Facial expression recognition) (Facial Expressions) (Learning methods)

Engineering main heading: (Deep neural networks)

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