

1 of 1

## Document details

된 Export 速 Download More >	Cited by 0 c	documents
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		en this docun
2019 through 31 October 2019; Category numberCFP1951N-ART; Code 156771	Set citation alert >	Set citatio
Refat, C.M.M., Azlan, N.Z.	Related doc	cuments
View additional authors 🗸	Find more related documen Scopus based on:	
🔁 Save all to author list		
International Islamic University Malaysia, Dept. of Mechatronics Engineering, Kuala Lumpur, Malaysia View additional affiliations 🗸	Authors > Ke	eywords >
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 IAFFE 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) (Learning methods)
Engineering main heading:	(Deep neural networks)

## Cited by 0 documents

# nent

Set citation	Set citation
alert >	feed >

nts in

?

盒

Sign in Create account

Funding sponsor

Funding number

Acronym

FA2386-18-1-4105 R&D 18IOA105

#### 1

The authors would like to acknowledge the Asian Office of Aerospace Research and Development (AOARD) for supporting this research work under the grant number: FA2386-18-1-4105 R&D 18IOA105.

ISBN: 978-172812971-6 Source Type: Conference Proceeding Original language: English DOI: 10.1109/ICOM47790.2019.8952056 Document Type: Conference Paper Sponsors: Inspilogix,ProStram Technologies Publisher: Institute of Electrical and Electronics Engineers Inc.

© Copyright 2020 Elsevier B.V., All rights reserved.

About Scopus	Language	Customer Service
What is Scopus	日本語に切り替える	Help
Content coverage	切换到简体中文	Contact us
Scopus blog	切換到繁體中文	
Scopus API	Русский язык	
Privacy matters		

#### **ELSEVIER**

Terms and conditions *¬* Privacy policy *¬* 

Copyright © Elsevier B.V ». All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies.

**RELX**