

1 Team details

- Team name
NTUST
- Team leader name
Yong-Xiang Lin
- Team leader address, phone number and email
No.43, Keelung Rd., Sec.4, Da'an Dist., Taipei City 10607, Taiwan (R.O.C.)
(+886) 919451088
aa26365566@gmail.com
- Rest of the team members
Ting-Kuan Chen
Shao-Qi Zeng
- Team website URL (if any)
- Affiliation
We are sophomore in National Taiwan University of Science and Technology

2 Contribution details

We have just started to learn, so we are not planning to write any paper yet.

3 Visual Analysis

3.1 Gesture Recognition (or/and Spotting) Stage

3.1.1 Features / Data representation

30 frames out of each video

3.1.2 Dimensionality reduction

Convolution 3D, Maxpooling and batch

3.1.3 Compositional model

CNN

3.1.4 Learning strategy

First. Use CNN to learn a model

Second. Learn a new model base on the model which is get from first stage

3.1.5 Other techniques

No

3.1.6 Method complexity

No

3.2 Data Fusion Strategies

No

3.3 Global Method Description

- Which pre-trained or external methods have been used (for any stage, if any)

Video to frame and 240*320 resize to 32*32

- Which additional data has been used in addition to the provided ChaLearn training and validation data (at any stage, if any)

NO

4 Other details

- Language and implementation details (including platform, memory, parallelization requirements)

Platform: ubuntu15

Programing: Python

Library: Kears base on Theano

Memeory:4GB

GPU: Nvidia GTX980 4GB

Parallelization:Ture -> use Nvidia Cuda

- Human effort required for implementation, training and validation? •

Training/testing expended time?

No

- General comments and impressions of the challenge? what do you expect from a new challenge in face and looking at people analysis?

There are various stages of the target . Have a good experience.