

# SICHAO FU

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College of Information and Control Engineering, China University of Petroleum (East China)

Address: # 66 Changjiang West Road, Huangdao District, Qingdao 266580, China

## EDUCATION

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**China University of Petroleum(East China), Qingdao**

*Sep. 2017– Jul. 2020*

M. Eng. in Electronics & Communication Engineering

Supervisor Professor Weifeng Liu

**Linyi University, Linyi**

*Sep. 2013– Jul. 2017*

B. Eng. in Communication Engineering

## RESEARCH INTERESTS

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Machine learning, Pattern recognition, Deep learning, Graph convolution networks (GCN).

## POSTGRADUATE HONORS AND AWARDS

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Third prize of Academic Scholarship, 2017

Second prize in “Number Building Cup” National Undergraduate Mathematical Modeling Challenge Competition, 2017

Second prize in National Undergraduate “Internet Plus” Innovation Competition, 2017

First prize in Qingdao Graduate Student Electronic Design Competition , 2017

Outstanding leadership of the 15th Graduate Student “Bo Cui Festival” Science and Technology Academic Activity, 2017

Excellent activist of the 15th Graduate Student “Bo Cui Festival” Science and Technology Academic Activity, 2017

Certificate of Computer and Software Professional Qualification, 2018

## PUBLICATIONS

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### Journal papers

- **Sichao Fu**, Weifeng Liu, Li Shuying, Yicong Zhou. A Two-Order Graph Convolutional Networks for Semi-Supervised Classification. IET Image Processing, IET. Impact factor: 1.401, Accepted.
- **Sichao Fu**, Weifeng Liu, Dapeng Tao, Yicong Zhou.  $p$  - Laplacian Graph Convolutional Networks for Semi-Supervised Classification. IEEE Transactions on Neural Networks and Learning Systems, IEEE. Impact factor: 7.982, Under Review.
- **Sichao Fu**, Weifeng Liu, Yicong Zhou, Liqiang Nie. HpLapGCN: Hypergraph p-Laplacian Graph Convolutional Networks. Neurocomputing, Elsevier. Impact factor: 3.241, Under Review.
- **Sichao Fu**, Weifeng Liu, Dapeng Tao, Yicong Zhou. HesGCN: Hessian Graph Convolutional Networks for Semi-Supervised Classification. IEEE Transactions on Cybernetics, IEEE. Impact factor: 8.803, Under Review.

### Conference papers

- **Sichao Fu**, Xinghao Yang, Weifeng Liu. The Comparison of Different Graph Convolutional Neural Networks for Image Recognition. The 10th International Conference on Internet Multimedia Computing and Service (ICIMCS 2018). August 17-19, 2018, Nanjing, China. [Webpage]

## CHINA PATENTS

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**Semi-supervised classification method based on  $p$ -Laplacian graph convolutional neural networks**

*First Applicant*

- Patent for invention

**Semi-supervised classification method based on hypergraph  $p$ -Laplacian graph convolutional neural networks**

*First Applicant*

- Patent for invention

**Electric vehicle wireless charging coil based on orthogonal structure**

*Third Applicant*

- Patent for utility model

## PROJECT

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**Image annotation based on multiview depth sparse coding and manifold regularization**

*Jan. 2017 - Dec. 2020*

*Project Member*

- Funded by: National Natural Science Foundation of China.
- Grant Number: 61671480.

**Research of the person re-identification algorithms based on metric learning** *May 2018 - May 2019*

*Project Member*

- Funded by: Graduate Student Innovation Project Funding of China University of Petroleum.
- Grant Number: YCX2018064.

## ACADEMIC ACTIVITIES

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**Ad-hoc reviewer**

“IEEE Transactions on Circuits and Systems for Video Technology”  
“Neural Processing Letters”

**Attended conference**

“The 10th International Conference on Internet Multimedia Computing and Service (ICIMCS 2018)”