Mengyuan LIU

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Education

Shandong University   Jinan, China
B.S. in Computer Science and Technology   Sep. 2014-Jul.2018
    -GPA: 4.43/5.00, 88.8/100.0
    -Rank:13/141
    -English level: CET4/CET6/98 in the Toefl examination

Research -

MIMA Group, Computer Science and Technology, Shandong University   Jinan, China

Research Assistant   May. 2016-

    - Supervisor: Professor Xin-shun Xu

    - worked on learning to hash across modality in information retrieval and media content analysis

    - worked on multi-label classification using deep model

    - participated in some projects about anomaly detection in social problems such as gas and power

School of Electronics and Computer Science, Peking University   Beijing, China

Research Assistant   Feb. 2017-Mar.2017

    - Supervisor: Professor Jufu Feng

    - did some experiments about image generation model, such as DC-GAN and Pixel-CNN

    - used GANS to generate fingerprint

Awards

National	Training plan of the national basic subject top-notch talent	Oct. 2014
	Mathematical Contest in Modeling(ICM), Meritorious Winner	Feb. 2016
	Shenzhen Cup Mathematical Contest, Yong-ji TAN special prize	Aug. 2016
	China Undergraduate Mathematical Contest in Modeling, First Prize in Country（1.st in Shandong Province）	
		Nov.2016
Provincial	Shandong Province Software Competition, First Prize	Nov. 2015
School	Excellent Student Scholarship in Shandong University	Oct. 2015，2016
	Shandong University Presidential Fellowship of Science and Innovation Award for Individual of School's Recommendation	Nov. 2016
	Excellent League Member of Shandong University	Apr. 2017
	Advanced Individual of Technological Innovation in Shandong University	Apr. 2017

Publication

1. Novel High Resolution Remote Sensing Image Change Detection based on Image Change Algorithm based on Image Fusion and Fuzzy Clustering Models, **Mengyuan LIU**, Yujiang LIU. IEEE-ICICT, 2016.5

    - propose a novel high resolution remote sensing image change detection algorithm based on image fusion and fuzzy clustering models and achieved a higher detection accuracy

2. 截流"与"清源"方案的判定模型与方案研究（A Study of Evaluation and Solution Between Separate and Mixed Pipeline System）,刘保东,**刘梦源**,余宇航,李子彦. 数学建模及其应用，Vol.5, No.3, Sept.2016.

    - use Tree-DP and 0-1 programming to study the evaluation between separate and mixed pipeline system.

    - be used in the pipeline programming in Shenzhen City.

3. Semi-Relaxation Supervised Hashing for Cross-Modal Retrieval, Peng-fei ZHANG, Chuan-xiang LI, **Meng-yuan LIU**, Xin-shun XU, et al., ACM MM 2017（submitted）

    - simultaneously learn hash functions and binary codes by relaxing binary constraints partly with an intermediate representation

4. Supervised Robust Discrete Multimodal Hashing for Cross-Media Retrieval, **Meng-yuan LIU**, Ting-kun YAN, Xin-shun XU et al., 2017, IEEE TMM （submitted）

    - introduce a new method for supervised hashing across modality, leveraging the label information such that the binary codes preserve the semantic similarity between samples

    - find a solution that the binary generated codes can not only do well in retrieval but also classification