# Dejun Zhang

| CONTACT INFORMATION | China University of Geosciences | *Voice:* +86 17364029403 |
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| | School of Geography and Information Engineering | *E-mail:* zhangdejun@cug.edu.cn |
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**CURRENT**

**China University of Geosciences, Wuhan, China**

School of Geography and Information Engineering, Oct 2018 - present

**PREVIOUS**

**Sichuan Agricultural University, Ya'an, China**

College of Information and Engineering, Jan 2016 - Sep 2018

**EDUCATION**

**Wuhan University, Wuhan, China**

Doctor of Philosophy in Computer Applications Technology, Dec 2015

**RESEARCH INTERESTS**

Computer Graphics

Computer Vision

Image and Video Processing

Human Action and Gesture Analysis

**TEACHING EXPERIENCE**

**China University of Geosciences, Wuhan, China**

*Lecture*

The Principle of Operating System, 2019 Spring

*Lecture*

Mobile Computing, 2019 Fall

GRANTS    **PI:** The Study of The Similarity Measurement Theory and Optimization Method for Agricultural Machinery Model Based on Octree and Z-order Curve, National Science Foundation (No. 61702350), Jan.2018 - Dec.2020

**PI:** Teaching Research and Reform of Android-Based Embedded System Development, Google Inc. Sep.2017 - Sep.2018

**PI:** Application Research of Internet of Things Technology in Laboratory Management, Sichuan Province University Laboratory Work Research Association. (No. SCSYS2017015), July.2017 - June.2019

**PI:** Research on Video Retrieval System Based on Deep Learning, Sponsored by Wuhan Fangcun Technology Co., Ltd. May.2016 - May.2018

PUBLICATIONS    Yujing Chen, Zhigang Tu, Dejun Zhang, Ruizhi Chen, and Junsong Yuan. SO-HandNet: Self-Organizing Network for 3D Hand Pose Estimation with Semi-supervised Learning. ICCV, 2019.

Dejun Zhang, Mengting Luo, Fazhi He, Reconstructed Similarity for Faster GANs-Based Word Translation to Mitigate Hubness, Neurocomputing, 2019, doi: 10.1016/j.neucom.2019.06.082.

Zhigang Tu, Hongyan Li, Dejun Zhang, Justin Dauwels, Baoxin Li, Junsong Yuan, Action-Stage Emphasized Spatio-Temporal VLAD for Video Action Recognition, IEEE Transactions on Image Processing, 2019, 28(6): 2799-2812.

Dejun Zhang, Mingbo Hong, Fazhi He, Attention Pooling-based Bidirectional GRU Model for Sentimental Classification, International Journal of Computational Intelligence Systems, 2019, doi: 10.2991/ijcis.d.190710.001.

Zhigang Tu, Wei Xie, Dejun Zhang, Ronald Poppe, Remco C Veltkamp, Baoxin Li, Junsong Yuan, A survey of variational and CNN-based optical flow techniques, Signal Processing: Image Communication, 2019, 72: 9-24.

Dejun Zhang, Zhao Zhang, Lu Zou, Zhuyang Xie, Fazhi He, Yiqi Wu, Zhigang Tu, Part-based Visual Tracking with Spatially Regularized Correlation Filters, The Visual Computer, 2019, doi: 10.1007/s00371-019-01634-5.

Yiqi Wu, Fazhi He, Dejun Zhang, Xiaoxia Li, Service-oriented Feature-based Data Exchange for Cloud-based Design and Manufacturing, IEEE Transactions on Services Computing, 2018, 11(2): 341-353.

Long Tian, Dejun Zhang*, Fei Han, Mingbo Hong, Xiang Huang, Yilin Chen, Yiqi Wu, Context-Aware Network Embedding via Variation Autoencoders for Link Prediction, International Conference of Pioneering Computer Scientists,

Engineers and Educators, Springer, Singapore, 2018: 322-331.

Dejun Zhang, Lu Zou, Yilin Chen, Fazhi He, Efficient and Accurate Hausdorff Distance Computation based on Diffusion Search, IEEE Access, 2018, 6:1350-1361.

Linchao He, Dejun Zhang*, Long Tian, Visual-Based Character Embedding via Principal Component Analysis, International Conference of Pioneering Computer Scientists, Engineers and Educators. Springer, Singapore, 2018: 212-224.

Dejun Zhang, Fazhi He, Soonhung Han, Lu Zou, Yiqi Wu, Yilin Chen, An Efficient Approach to Directly Compute The Exact Hausdorff Distance for 3D Point Sets, Integrated Computer-Aided Engineering, 2017, 24(3): 261-277.

Lu Zou, Dejun Zhang*, Fazhi He, A Fast and Secure Transmission Method Based on Optocoupler for Mobile Storage, International Conference of Pioneering Computer Scientists, Engineers and Educators. Springer, Singapore, 2017: 251-261.

Dejun Zhang, Fazhi He, Soonhung Han, Xiaoxia Li, Quantitative Optimization of Interoperability During Feature-based Data Exchange, Integrated Computer Aided Engineering, 2016, 23(1): 31-50.

Dejun Zhang, Fazhi He, Yiqi Wu, Xiantao Cai, Xiaoxia Li, Product Data Exchange of Complex Shape Based on Parametric Curve, Proceedings of the 2014 IEEE 18th International Conference on Computer Supported Cooperative Work in Design, IEEE, 2014: 423-428.

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| PROFESSIONAL ACTIVITIES | ICPCSEE 2019 PC member |
| | ACPR 2019 Workshop Technical Program Committee, ICPCSEE 2019 PC member, GDC 2018 PC member, etc. |
| | **Journal reviewer:** The Visual Computer, Journal of Visual Communication and Image Representation, IEEE Transactions on Multimedia, IEEE ACCESS, Multimedia Tools and Applications, etc. |
| MEMBERSHIP | Committee member of the geometric design & computing of CSIAM |
| | Senior member of CSIAM |
| | Senior member of CCF |