Mr. DONG Haonan
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1 Education Background

- **B.S of Photogrammetry and Remote Sense**

  School of Geodesy and Geomatics. Wuhan University

  Wuhan, China 2016 - 2020

- **M.S of Pattern Recognition and Intelligent System**

  School of Remote Sensing and Information Engineering Wuhan University

  Wuhan, China 2020 - 2023

2 Publications

[1] **Haonan Dong**, Xiaotong Ye, Congpu Hao. Emergency Evacuation Path Planning Algorithm for Indoor Fire in Commercial Buildings[J]. Journal of Geomatics, 2021,46(S1):40-43.DOI:10.14188/j.2095-6045.2019351.

[2] **Haonan Dong**, Jian Yao. CVPR 2022. Related to unsupervised learning of multi-view stereo(MVS). (Due to the policy of CVPR 2022, the paper will be publicized soon.)

3 Research Experience

12/2021 - Now. University-Enterprise Cooperation: CVRS with Didi Inc.

Topic: Highly-precised 3D Reconstruction with RGB-D Sensor.

11/2021 - Now.

Topic: Multi-camera System Intrinsic and Extrinsic Calibration, from Pinhole to Fish-Eye.

06/2021 - 10/2021. University-Enterprise Cooperation: CVRS with Xiamen Healthy and Medical Big Data Center.

Topic: Multi-party Secure Pathological Computing System based on Federated Learning.

09/2020 - 05/2021.

Topic: Online 3D Reconstruction Server with High Performance Computing: The algorithms of the intact pipeline of 3D reconstruction and the platforms of clusters.

03/2018 - 06/2019. Leader. National Program of Innovation and Entrepreneurship for Undergraduates, WHU

Topic: A Commercial Building Fire Evacuation System Based on an Indoor Path Planning Algorithm and ZigBee Platform.

4 Awards

- **Outstanding Graduate Reward, Wuhan University(2020).**
- **Outstanding Completion of National Program of Innovation and Entrepreneurship for Undergraduates.**
- **"Southern-Survey Cup" Paper Competition: Special Prize (The Highest Award)**

  Geomatics Skill Contest of SGG, Wuhan University: Third Prize
- **Patent(accepted)**: A Indoor Fire Evacuation Assistant System basing on ZigBee. Wuhan University.

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5   Academic Competitions

01/2019: MCM/ICM   **Honorable Prize.**

Topic: Evacuation Problem in Louvre.

08/2018: China Undergraduate Mathematical Contest in Modeling

Third Prize of Hubei Province.

Topic: Scheduling Problem of Intelligent RGV.

6   Skills

6.1   English Proficiency

TOEFL 97 (25 + 25 + 22 + 25) **Will Take Another Test.**

GRE 321 (154 + 167) + 3