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Academic Qualification

Ph.D. in Sungkyunkwan University (2017-2020)

B.Eng. in Shanghai Ocean University (2011-2015)

Teaching Area

Data Structure

FPGA programming

Robotics

Research Area

Robot Vision

Working Experience

Postdoctoral Researcher INRIA(2020-2021)

Research assistant CUHK (2020)

Research assistant PolyU HK (2018-2019)

Shark Ninja (Beijing Qfeel) (2015-2016)

Academic Publication

S. Jiang, R. Cui, R. Wei, Z. Fu, Z. Hong, G. Feng, Tracking by Segmentation with Future Motion Estimation Applied on Person-following Robot, *Frontiers in Neurorobotics*, 2023 (JCR Q2)

E. Zhang, R. Xie, Y. Bian, J. Wang, P. Tao, H. Zhang, **S. Jiang***. Cervical Cell Nuclei Segmentation Based on GC-UNet, *Heliyon-cells*, 2023 (JCR Q2)

S. Jiang, Y. Tarabalka, Z. Hong, W. Yao, Space-to-speed Architecture Supporting Acceleration for Building Segmentation on VHR Images,

ISPRS Journal of Photogrammetry and Remote Sensing, 2023, (JCR Q1)

S. Jiang, Z. Hong*. Unexpectedly Dynamic Obstacle Monocular Detection in Driver View. *IEEE Intelligent Transportation Systems Magazine*, 2022, (JCR Q1)

Z. Hong, Y. Yang, J. Liu*, **S. Jiang*** etc. Enhancing 3D Reconstruction Model by Deep Learning and Its Application in Building Damage Assessment after Earthquake, *Applied Sciences-Basel*, 2022 (JCR Q2)

Y. Bian, E. Zhang, R. Xie, J. Wang, **S. Jiang***, Swin Transformer UNet for Very High Resolution Image Dehazing, *Sensors and Materials*, accepted, 2022. (JCR Q3)

Z. Hong, T. Yang, X. Tong, Y. Zhang, **S. Jiang** etc. Multi-scale ship detection from SAR and optical imagery via a more accurate YOLOv3. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 2021 (JCR Q1)

Z. Hong, S. Xu, Y. Zhang, R. Zhou, Y. Han, J. Wang, S. Yang, J. Liu, **S. Jiang***. Designing and Implementing a Low-cost Unmanned Aerial Vehicle Based on Beidou/GPS. *Sensors and Materials*, 2020. (JCR Q3)

G. Li, **S. Jiang**, etc, Depth-wise Asymmetric Bottleneck with Point-wise Aggregation Decoder for Real-time Semantic Segmentation in Urban Scenes, IEEE ACCESS, 2020. (JCR Q2)

T. Yang⁺, **S. Jiang**⁺, Z. Hong, T.Y. Kuc etc., Sea-land Segmentation Using Deep Learning Techniques for Landsat-8 OLI Imagery, Marine Geodesy, 2020 (JCR Q3)

S. Jiang, W. Yao, M. Wong, G. Li, Z. Hong, An Optimized Deep Neural Network Detecting Small and Narrow Rectangular Objects in Google Earth Images, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020 (JCR Q1)

S. Jiang, W. Yao, M. Wong, M. Hang, Z. Hong, E. Kim, S. Joo and T. Kuc, Automatic Elevator Button Localization Using a Combined Detecting and Tracking Framework for Multi-story Navigation, IEEE ACCESS, 2019 (JCR Q1)

Y Yang, N Chen, **S Jiang** · Collaborative strategy for visual object

tracking · Multimedia Tools and Applications 77 (6), 7283-7303 · 2018 (JCR Q1)

S Jiang, W Yao, Z Hong, L Li, C Su, T Kuc · A Classification-Lock Tracking Strategy Allowing a Person-Following Robot to Operate in a Complicated Indoor Environment · Sensors 18 (11), 3903 · 2018 (JCR Q1)