

# Kewei Wang

School of Artificial Intelligence and Automation,  
Huazhong University of Science and Technology,  
Wuhan, China.  
Email: wangkewei@hust.edu.cn

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## EDUCATION

- **Huazhong University of Science and Technology (HUST)** Wuhan, China  
*M.Sc. in Artificial Intelligence* 2021 - 2024
  - GPA: 89.4/100.0
  - Advisor: Prof. Zhiguo Cao
- **Huazhong University of Science and Technology (HUST)** Wuhan, China  
*B.Eng. in Automation* 2017 - 2021
  - GPA: 90.0/100.0

## RESEARCH INTERESTS

- Small Object Detection, Monocular 3D Object Detection

## PUBLICATIONS

1. *Interior Attention-Aware Network for Infrared Small Target Detection*  
**Kewei Wang**, Shuaiyuan Du, Chengxin Liu, Zhiguo Cao  
IEEE Transactions on Geoscience and Remote Sensing (**TGRS**), 2022
2. *From Characteristic Response to Target Edge Diffusion: An Approach to Small Infrared Target Detection*  
Shuaiyuan Du\*, **Kewei Wang\***, Zhiguo Cao (\* Co-first Authors)  
Infrared Physics & Technology, 2022
3. *Robust Object Detection With Inaccurate Bounding Boxes*  
Chengxin Liu, **Kewei Wang**, Hao Lu, Zhiguo Cao, Ziming Zhang  
European Conference on Computer Vision (**ECCV**), 2022
4. *Dynamic Color Transform Networks for Wheat Head Detection*  
Chengxin Liu, **Kewei Wang**, Hao Lu, Zhiguo Cao  
Plant Phenomics, 2022
5. *Transview: Inside, outside, and across the cropping view boundaries*  
Zhiyu Pan, Zhiguo Cao, **Kewei Wang**, Hao Lu, Weicai Zhong  
In Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV), 2021
6. *Dynamic color transform for wheat head detection*  
Chengxin Liu, **Kewei Wang**, Hao Lu, Zhiguo Cao  
Proceedings of the IEEE/CVF International Conference on Computer Vision Workshops (ICCVW), 2021

## HONORS AND AWARDS

2nd Place in the ICCV21 Global Wheat Challenge 2021 . . . . .	2021
Outstanding Graduate, HUST . . . . .	2021
National Encouragement Scholarship, HUST . . . . .	2020