# Ruize HAN

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## 🎓 Education

**Tianjin University (TJU)**, Tian Jin, China                                    2019 – Present
*Ph.D* *student* in Computer Application Technology

**Tianjin University (TJU)**, Tian Jin, China                                    2016 – 2019
*M.Eng.* in Computer Technology Engineering

**Hebei University of Technology**, Tianjin, China                              2012 – 2016
*B.S.* in Mathematics and Applied Mathematics

## 🏛 Research Projects

**Multi-View Video Analysis**                                                Jan. 2019 – Present
> Multi-human association and tracking from the complementatry top view and horizontal egocentric view.
> Human social activity detection and interested person identification in the crowded scene.
> Spatial-temporal camera localization and alignment of the mobile-camera visual system.

**Visual Object Tracking**                                                  Jul. 2017 – Jun. 2020
> Improved content-aware spatial regularization for CF (Correlation Filter) tracking.

**Visual Positioning & Precision Measurement**                             Sep. 2016 – Jul. 2017
> Active recurrence of camera imaging condition and fine-grained change detection for cultural relics.

## 📕 Selective (10) Publications

- **Ruize Han**, Wei Feng, Yujun Zhang, Jiewen Zhao, Song Wang. Multiple Human Association and Tracking from Egocentric and Complementary Top Views, to appear in **IEEE TPAMI**.
- Yiyang Gan, **Ruize Han**[†], Liqiang Yin, Wei Feng, Song Wang[†]. Self-supervised Multi-view Multi-Human Association and Tracking, to appear in **ACM MM**, 2021. (*Oral Paper*)(*Corresponding Author*)
- **Ruize Han**, Wei Feng, Jiewen Zhao, Zicheng Niu, Yujun Zhang, Liang Wan, Song Wang. Complementary-View Multiple Human Tracking, in **AAAI**, 2020.
- Sibo Wang, **Ruize Han**[†], Wei Feng, Song Wang. Multiple Human Tracking in Non-specific Coverage with Wearable Cameras, in **ICASSP**, 2021. (*Corresponding Author*)
- **Ruize Han**, Jiewen Zhao, Wei Feng, Yiyang Gan, Liang Wan, Song Wang. Complementary-View Co-Interest Person Detection, in **ACM MM**, 2020.
- Jiewen Zhao[‖], **Ruize Han**[‖], Yiang Gan[‖], Liang Wan, Wei Feng, Song Wang. Human Identification and Interaction Detection in Cross-View Multi-Person Videos with Wearable Cameras, in **ACM MM** 2020. (*Co-first Author*)
- **Ruize Han**, Wei Feng, Song Wang. Fast Learning of Spatially Regularized and Content Aware Correlation Filter for Visual Tracking, **IEEE TIP**, 2020.
- Wei Feng[‖], **Ruize Han**[‖], Qing Guo, Jianke Zhu, Song Wang. Dynamic Saliency-Aware Regularization for Correlation Filter-Based Object Tracking, **IEEE TIP**, 2019. (*Co-first Author*)
- **Ruize Han**, Qing Guo, Wei Feng. Content-Related Spatial Regularization for Visual Object Tracking, in **ICME**, 2018. (*Best Paper Award*)
- Qing Guo, **Ruize Han**, Wei Feng, Zhihao Chen, Liang Wan. Selective Spatial Regularization by Reinforcement Learned Decision Making for Object Tracking, **IEEE TIP**, 2020.

## 🏆 Honors and Awards

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| National Graduate Scholarship | 2020 |
| National Graduate Scholarship | 2018 |
| ICME Best Paper Award | 2018 |
| Excellent Dissertation of Hebei University of Technology | 2016 |
| National Encouragement Scholarship | 2015 |

## ☰ Academic Services

- Reviewer of conference: ICCV-21, CVPR-21, AAAI-21, IJCAI-20, ICPR-18
- Reviewer of journal: IEEE TPAMI, Neurocomputing, Pattern Recognition Letters, Electronic Letters

## 🏷 Miscellaneous

- Interests: Badminton, Board Game
- Programming Languages: MATLAB > Python > C++
- Languages: English (CET-6)