

# RUIZE HAN

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## 🎓 EDUCATION

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**Tianjin University (TJU)**, Tianjin, China 2019 – Present

*Ph.D* student in Computer Application Technology

**Tianjin University (TJU)**, Tianjin, 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

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**Multi-Human-Centric Multi-Camera Video Analysis** Jan. 2019 – Present

- › Multi-human association and tracking from the complementary 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 (CCF-A)

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- **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**.
- **Ruize Han**, Yiyang Gan, Jiacheng Li, Feifan Wang, Wei Feng, Song Wang. Connecting the Complementary-view Videos: Joint Camera Identification and Subject Association, to appear in **CVPR 2022**.
- **Ruize Han**, Wei Feng, Qing Guo, Qinghua Hu. The Research of Single Object Tracking : A Survey, to appear in **Chinese Journal of Computers** (in Chinese).
- **Ruize Han**, Yun Wang, Haomin Yan, Wei Feng, Song Wang. Multi-view Multi-Human Association with Deep Assignment Network, **IEEE TIP**, 2022.
- Yiyang Gan, **Ruize Han**<sup>†</sup>, Liqiang Yin, Wei Feng, Song Wang<sup>†</sup>. 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.
- **Ruize Han**, Jiewen Zhao, Wei Feng, Yiyang Gan, Liang Wan, Song Wang. Complementary-View Co-Interest Person Detection, in **ACM MM**, 2020.
- **Ruize Han**, Wei Feng, Song Wang. Fast Learning of Spatially Regularized and Content Aware Correlation Filter for Visual Tracking, **IEEE TIP**, 2020.
- Jiewen Zhao<sup>||</sup>, **Ruize Han**<sup>||</sup>, Yiyang Gan<sup>||</sup>, 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*)
- Wei Feng<sup>||</sup>, **Ruize Han**<sup>||</sup>, Qing Guo, Jianke Zhu, Song Wang. Dynamic Saliency-Aware Regularization for Correlation Filter-Based Object Tracking, **IEEE TIP**, 2019. (*Co-first Author*)

## HONORS AND AWARDS

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Grand Prize of National Postdoctoral Academic Forum on Information Innovation and AI Development	2021
National Graduate Scholarship	2020
National Graduate Scholarship	2018
IEEE ICME (CCF B) Best Paper Award	2018
Excellent Dissertation of Hebei University of Technology	2016
National Encouragement Scholarship	2015

## ACADEMIC SERVICES

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- Reviewer of conference: ICCV-21, CVPR-21, 22, AAAI-21, 22, IJCAI-20, ICME-22, ICPR-18
- Reviewer of journal: IEEE TPAMI, IEEE TMM, Neurocomputing, Pattern Recognition Letters, Electronic Letters

## MISCELLANEOUS

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- Interests: Badminton, Board Game
- Programming Languages: MATLAB > Python > C++
- Languages: Chinese, English (CET-6)
- National Computer Rank Examination: Level 2-4