WENTAO BAO

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R.I.T ⋄ Rochester, NY 14623, USA

https://cogito2012.github.io/homepage

EDUCATION

Rochester Institute of Technology, Rochester, NY, USA   *Sep. 2019 - Present*
Ph.D. in Golisano College of Computing and Information Sciences
Advisor: Prof. Yu Kong and Prof. Qi Yu

Wuhan University, Wuhan, Hubei, China   *Sep. 2016 - June 2019*
Master's Degree from School of Remote Sensing & Information Engineering

Wuhan University, Wuhan, Hubei, China   *Sep. 2012 - June 2016*
Bachelor's Degree from School of Remote Sensing & Information Engineering

INTERESTS & SKILLS

Research Interests	Video Accident Analytics, Object Detection, Human Visual Attention
R&D Skills	CV/DL Engineering, Android Development, Distributed System
Deep Learning Libraries	PyTorch, TensorFlow, Keras, Caffe, MXNet
Programing Languages	Python, Java, C/C++, Matlab, Git

SELECTED PUBLICATIONS

Wentao Bao, Qi Yu, Yu Kong. Uncertainty-based Traffic Accident Anticipation with Spatio-Temporal Relational Learning. 28th ACM International Conference on Multimedia (**MM**), 2020.

Junwen Chen, **Wentao Bao**, Yu Kong. Activity-driven Weakly-Supervised Spatio-Temporal Grounding from Untrimmed Videos. 28th ACM International Conference on Multimedia (**MM**), 2020.

Junwen Chen, **Wentao Bao**, Yu Kong. Group Activity Prediction with Sequential Relational Anticipation Model. European Conference on Computer Vision (**ECCV**), 2020.

Wentao Bao, Qi Yu, Yu Kong. Object-Aware Centroid Voting for Monocular 3D Object Detection. IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS**), 2020.

Hanbin Hong, **Wentao Bao**, Yuan Hong, Yu Kong. Privacy Attributes-aware Message Passing Neural Network for Visual Privacy Attributes Classification. International Conference on Pattern Recognition (**ICPR**), 2020.

Wentao Bao, Zhenzhong Chen. Human Scanpath Prediction based on Deep Convolutional Saccadic Model. **Neurocomputing**, vol. 404, pp. 154-164, Mar. 2020.

Wentao Bao, Bin Xu, Zhenzhong Chen. MonoFENet: Monocular 3D Object Detection with Feature Enhancement Networks. *IEEE Transactions on Image Processing* (**TIP**), vol. 29, pp. 2753-2765, Nov. 2019.

Daiqin Yang, **Wentao Bao**. Group Lasso based Band Selection for Hyperspectral Image Classification. *IEEE Geoscience and Remote Sensing Letters* (**GRSL**), vol. 14, no. 12, pp. 2438-2442, Nov. 2017.

COMPETITIONS

1st Prize, **Core Member**, Salient360! Visual Attention Modeling for 360° Content.	July 2018
3rd Prize, **Team Leader**, The 4th National Graduate Contest on Smart-City.	Aug. 2017
Bronze Award, **Team Leader**, The 2nd China "Internet Plus" Competition (Hubei).	Dec. 2016
2nd Prize, **Core Member**, The 3rd National Graduate Contest on Smart-City.	Aug. 2016
1st Prize, **Core Member**, BigMM 2015 Challenge, Multiple-Camera Object Tracking.	Apr. 2015
3rd Prize, **Team Leader**, The 14th National "Challenge Cup" on Smart-City Track.	July 2015
3rd Prize, **Core Member**, The 14th National "SuperMap Cup" on GIS Contest.	Dec. 2015
Meritorious Winner, **Core Member**, Mathematical Contest in Modeling (MCM).	Feb. 2015
2nd Prize, **Team Leader**, The 13th National "SuperMap Cup" on GIS Contest.	Dec. 2014

SELECTED HONORS

Excellent Graduated Student, Wuhan University. (top 5%)	May, 2019.
China National Scholarship for graduate students,	Oct. 2018.
The First-class Academic Scholarship, Wuhan University. (top 10%)	Oct. 2017 & 2018.
Outstanding Postgraduate Student, Wuhan University. (top 10%)	Dec. 2017 & 2018.
Excellent Graduate Freshman Scholarship, Wuhan University. (top 10%)	Oct. 2016
Advanced Individual, Wuhan University.	Jan. 2016

ACADEMIC SERVICES

Reviewers:
· IEEE Transactions on Image Processing (TIP).
· Elsevier Journal of Visual Communication and Image Representation (JVCIR).
· Multimedia System Journal(Springer MMSJ).
· IEEE Robotics and Automation Letters (RA-L).
· Elsevier Journal of Measurement.
· 28th ACM International Conference on Multimedia (ACM MM 2020).
· 27th ACM International Conference on Multimedia (ACM MM 2019).
· IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems (MFI 2020).

Memberships:
· IEEE Student Member (Signal Processing Society).

Volunteers:
· 34th AAAI Conference on Artificial Intelligence (AAAI-20), Feb. 7-12, 2020, New York, USA.