

Yi-Wen Chen

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Research Interests

My research interests lie in **computer vision** and **deep learning**.

○ Object Segmentation ○ Representation Learning ○ Domain Adaptation ○ Vision and Language

Education

Sep. 2017 **Master of Science**, *National Taiwan University*, Taipei, Taiwan.

– Present Graduate Institute of Communication Engineering
GPA: 3.98/4.30

Sep. 2013 **Bachelor of Science**, *National Taiwan University*, Taipei, Taiwan.

– Jun. 2017 Department of Electrical Engineering
GPA: 3.85/4.30

Publications

ACCV 2018 **Unseen Object Segmentation in Videos via Transferable Representations.**

Yi-Wen Chen, Yi-Hsuan Tsai, Chu-Ya Yang, Yen-Yu Lin, and Ming-Hsuan Yang
Asian Conference on Computer Vision, 2018 **Oral Presentation**

Research Experiences

Computer Vision Lab, CITI Academia Sinica, Taipei, Taiwan

Jun. 2017 **Research Assistant.**

– Present Advisor: Dr. Yen-Yu Lin [link](#), Dr. Yi-Hsuan Tsai [link](#), Prof. Ming-Hsuan Yang [link](#)

Referring Expression Object Segmentation.

○ Proposed an end-to-end trainable network for joint referring expression comprehension and generation.

Unseen Object Segmentation in Videos via Transferable Representations.

○ Developed a self-supervised learning framework to transfer knowledge from seen objects in images to unseen objects in videos.

○ Paper is accepted to **ACCV 2018**.

Awards

Dec. 2018 **Best Student Paper Award Honorable Mention**, *ACCV 2018*.

For our work “Unseen Object Segmentation in Videos via Transferable Representations”

Selected Courses

○ Machine Learning and Having it Deep and Structured ○ Deep Learning for Computer Vision
○ Computer Vision ○ Digital Visual Effects ○ Digital Speech Processing ○ Advanced Digital
Signal Processing ○ Time-Frequency Analysis and Wavelet Transform ○ Algorithms

Skills

Programming C/C++, Python, MATLAB

Toolkit PyTorch, Keras, Caffe