

Hieu Le

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Education

Ph.D in Computer Science, Stony Brook University	F2014 - PRESENT
B.S in Computer Science, Vietnam National University - HCMUS	F2008 - S2012

Research Background

Fifth-year Ph.D. Candidate with a background on Computer vision and Machine Learning. My work focus on developing machine learning techniques for image and video segmentation from weakly-labeled and unsupervised data (ACCV16, ICCV17W, CVPR19W). My recent papers analyze the effect of shadows on images: how to detect (ECCV18) and remove them (ICCV19). I have working experiences in medical imaging and remote sensing data.

Research Experience

Research Assistant. Stony Brook University, Computer Vision Lab	Aug 2014-Present
Research Assistant. Stony Brook University, Lynch Lab	Aug 2017-Present
Research Intern. Ecole Centrale de Lyon	July-Aug 2019
Research Intern. American International Group, AIG Science	May-Aug 2017
Research Assistant. Stony Brook University, School of Medicine.	May-Aug 2015
Research Intern. POSTECH - South Korea , Machine Learning Lab	June-Aug 2012

Publications

1. [Le, H.](#), Samaras, D. (2019). Shadow Removal via Shadow Image Decomposition. In ICCV 2019, Seoul, Korea. - 2019
2. [Le, H.](#), Gonçalves, B., Samaras, D., Lynch, H. (2019). Weakly Labeling the Antarctic: The Penguin Colony Case. In CVPR Workshop (CV4GC), 2019
3. Bui, T., Stoller, S., & [Le, H.](#). (2019). Extensible Relationship-Based Access Control Policy Mining Using Neural Network and Evolutionary Algorithm. SACMAT, 2019
4. Borowicz, A., [Le, H.](#), Humphries, G., Nehls, G., Höschle, C., Kosarev, V., & Lynch, H. (2019). Deep learning networks for surveying cetaceans from satellite imagery. PLOS ONE, 2019
5. [Le, H.](#), Vicente, T., Nguyen V., Nguyen, M-H., & Samaras, D. (2018). A+D Net: Training a Shadow Detector with Adversarial Shadow Attenuation. ECCV 2018, 2018
6. Ranjan, V., [Le, H.](#), & Nguyen, M-H. (2018). Iterative Crowd Counting. ECCV 2018, 2018
7. [Le, H.](#), Yu, C.-P., Zelinsky, G., & Samaras, D. (2017). Co-localization with category consistent CNN features and geodesic distance propagation. In ICCV Workshop 2017, Venice, Italy. - 2017
8. [Le, H.](#), Nguyen, V., Yu, C.-P., & Samaras, D. (2016). Geodesic distance histogram feature for video segmentation. In ACCV 2016, Taipei, Taiwan. - 2016
9. Yu, C.-P., [Le, H.](#), Zelinsky, G., & Samaras, D. (2015). Efficient video segmentation using parametric graph partitioning. In ICCV 2015, Santiago, Chile. - 2015
10. [Le, H.](#), Duong, A. & Tran, S.: Multiple-Classier Fusion Using Spatial Features for Partially Occluded Hand-written Digit Recognition. ICIAR 2013: 124-132. - 2013

Honors & Awards

Vietnam Education Foundation Fellowship - 54.000 USD	2014
Vietnam National Foundation for Science and Technology Sponsorship - 2.000 USD.	2013
Korea POSTECH - Exchange Student scholarship	2012
Silver Medal - Vietnam National Informatics Olympiad	2007

Professional Activities

Teaching Assistant: Discrete Math, Computer Graphics, Data Structures
Reviewer: CVPR 19, ICCV 19, AAAI 19

Skills

Python, Pytorch, C++, Matlab, Java, \LaTeX , etc
