

Chi-Jui (Jerry) Ho

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EDUCATION

University of California San Diego (UCSD)

Ph.D. in Electrical and Computer Engineering

San Diego, USA

September 2020 -

National Taiwan University (NTU)

B.S. in Electrical Engineering

Taipei, Taiwan

September 2015 - June 2019

PUBLICATIONS

- C.-J. Ho, M. Calderon-Delgado, C.-C. Chan, M.-Y. Lin, J.-W. Tjiu, S.-L. Huang, and H. H. Chen, "Detecting mouse squamous cell carcinoma from submicron full-field optical coherence tomography images by deep learning," in *Journal of Biophotonics*, 2020.
- C.-J. Ho, C.-C. Chan, and H. H. Chen, "AF-Net: A Convolutional Neural Network Approach to Phase Detection Autofocus," in *IEEE Transactions on Image Processing*, vol. 29, pp. 6386-6395, 2020.
- C.-J. Ho and H. H. Chen, "On the Distinction between Phase images and Two-View Light Field for PDAF of Mobile Imaging," in *Electronic Imaging*, 2020.

RESEARCH EXPERIENCE

Video Processing Lab, UCSD

Graduate Student Researcher (with Prof. T. Nguyen and Prof. C. An)

San Diego, USA

Sep. 2020 -

Research topic: *Multi-Temporal Image Registration*

UCSD

Graduate Student Researcher (with Prof. N. Antipa)

San Diego, USA

Sep. 2020 -

Research topic: *End-to-End Optical System*

Multimedia Processing and Communications Lab, NTU

Research Assistant (with Prof. Sheng-Lung Huang and Prof. Homer H. Chen)

Taipei, Taiwan

July 2019 - March 2020

Research topic: *Skin Cancer Detection in Optical Coherence Tomography (OCT) Imaging*

Multimedia Processing and Communications Lab, NTU

Undergraduate Research Assistant (with Prof. Homer H. Chen)

Taipei, Taiwan

September 2017 - June 2019

Research topic: *Phase Detection Autofocus (PDAF)* [[Demo Video](#)]

TEACHING EXPERIENCE

Department of Electrical and Engineering, NTU

Teaching Assistant (with Prof. Chien-Mo Li)

Taipei, Taiwan

2018 Spring and 2019 Spring

EE1006: Cornerstone EECS Design and Development

HONORS & AWARDS

- Electrical and Computer Engineering Department Fellowship, UCSD, Oct. 2020 - Jul. 2021
- 1st prize in NTUEE Undergraduate Innovation Award, NTU, Sep. 2019
- College Student Research Creativity Award, MOST, Taiwan, Sep. 2019
- College Student Research Scholarship, MOST, Taiwan, Jul. 2018 - Apr. 2019