

Department of Computer Science



Dr. Renjie Wan

Wallenberg-NTU Presidential Postdoctoral Fellow
School of Electrical and Electronic Engineering
Nanyang Technological University, Singapore

 **Date: 26 October 2021 (Tuesday)**

 **Time: 10:00am – 11:00am GMT+8 (HKT)**

 **Registration: <http://bit.ly/bucs-ereg>**

(*Zoom details will only be provided to registrants)

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Reflection: Removal, Scene Separation, and Beyond

ABSTRACT

The reflection is a double-edged sword for “looking-through glass” applications. By obstructing the scene behind glass, the reflection causes computer vision systems likely to fail if their targets are behind glass. On the contrary, by reflecting light rays into cameras, it also helps reveal vital information in front of glass. In this talk, by analyzing the image formation process, I will introduce reflection removal and reflection scene separation to handle the two sides appropriately. Moreover, I will discuss some applications of reflection removal and reflection scene separation in computer vision tasks, such as face recognition and Person-ReID

BIOGRAPHY

Dr. Renjie Wan received his B.S. degree from the University of Electronic Science and Technology of China in 2012 and his Ph.D. degree from Nanyang Technological University, Singapore, in 2019. He is currently a Wallenberg-NTU Presidential Postdoctoral Fellow at Nanyang Technological University, Singapore. His research areas focus on computational photography, machine learning, and computer vision. His research works have been published in top-tier journals/conferences, such as T-PAMI, IJCV, TIP, CVPR, ICCV, AAI, and NeurIPS. He is the recipient of the Wallenberg-NTU Presidential Postdoctoral Fellowship, best paper award of VCIP 2020, outstanding reviewer of ICCV 2019, and the Microsoft CRSF Award.

ENQUIRY