

SEMINAR ANNOUNCEMENT

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Faculty of Engineering

Website: <https://www.eng.nus.edu.sg/ece/>

Area: Signal Analysis & Machine Intelligence

Host: Asst Prof Feng Jiashi

TOPIC	:	Towards High-fidelity Garment Transfer with Spatial-aware Texture Transfer
SPEAKER	:	Ms Liu Ting Graduate student, Beijing Jiaotong University
DATE	:	3 July 2020, Friday
TIME	:	4.40pm to 5.20pm
WEBINAR	:	https://us02web.zoom.us/j/497447113?pwd=b1V4ZFJGaEZuTTJjZUVlekJCRkhpQT09 Meeting ID: 497 447 113 Password: 027731

ABSTRACT

Given an image of a target person and a model image with the desired clothing, garment transfer addresses the problem of transferring the desired garment to the target person. Considering the model and target persons often have different views, body shapes and poses, the existing frameworks have difficulty in generating realistic garment transferred images with texture details preserved. To this end, we propose a novel SPatial-Aware Texture Transfer (SPATT) framework. By leveraging the spatial relationship of the body shape and high texture similarity inside body parts, SPATT learns to complete the unseen appearance in the source model person. With the proposed SPATT, we can generate more realistic images with better preserved texture details. Furthermore, difficult cases where two persons have large pose and view differences can also be well handled by SPATT.

BIOGRAPHY

Liu Ting is a visiting student at NUS, advised by Asst Prof Feng Jiashi. She is also a PhD student at Beijing Jiaotong University, advised by Prof. Zhao Yao. Her project is about generative adversarial networks for person image synthesis.

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