CHENHAO LI

I am a PhD student at Osaka University. My research interests lie at the intersection between machine learning and computer graphics. Especially for inverse rendering, neural rendering using various types of sensors.

CONTACT

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SKILLS

Machine Learning

Computer Graphics

Python

C++

Linux

Git

Docker

Latex

LANGUAGES

Mandarin

English

Japanese

EDUCATION

Ph. D. - Computer Science
Osaka University - Suita, Osaka (Japan)
`2021 - ongoing`

Master - Computer Science
Kyushu University - Nishi-ku, Fukuoka (Japan)
`2019 - 2021`

Research Student - Computer Science
Hiroshima University - Higashi-Hiroshima, Hiroshima (Japan)
`2018 - 2019`

Bachelor - Computer Science
Nanjing Xiaozhuang University - Nanjing, Jiangsu (China)
`2013 - 2017`

PUBLICATIONS

Deep Polarization Cues for single-shot Shape and Subsurface Scattering Estimation
European conference on computer vision (ECCV), 2024, (to appear)
`July. 2024`

Chenhao Li, Trung Thanh Ngo, Hajime Nagahara

NeISF: Neural Incident Stokes Field for Geometry and Material Estimation
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2024, pp. 21434–21445
`June. 2024`

Chenhao Li, Taishi Ono, Takeshi Uemori, Hajime Mihara, Alexander Gatto, Hajime Nagahara, Yusuke Moriuchi

Inverse Rendering of Translucent Objects using Physical and Neural Renderers
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2023, pp. 12510-12520
`June 2023`

Chenhao Li, Trung Thanh Ngo, Hajime Nagahara

Cross-language font style transfer
Applied Intelligence, 2023, pp. 1–15
`Feb. 2023`

Chenhao Li, Yuta Taniguchi, Min Lu, Shin'ichi Konomi, Hajime Nagahara

Few-Shot Font Style Transfer Between Different Languages   Jan. 2021

Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision (WACV), 2021, pp. 433-442

Chenhao Li, Yuta Taniguchi, Min Lu, Shin'ichi Konomi

WORK EXPERIENCES

Research Intern   2024.7 - ongoing
SONY - Shinagawa-ku, Tokyo (Japan)

Conducting research on the application of polarization sensors for multi-view scene-level inverse rendering.

Research Intern   2023.6 - 2023.11
SONY - Shinagawa-ku, Tokyo (Japan)

Conducting research on the application of polarization sensors for multi-view inverse rendering.

HONORS & SCHOLARSHIPS

Recipient of Osaka University Fellowship   2021-2024
https://www.ist.osaka-u.ac.jp/japanese/campus-life/fellowship.html