Kenji Tojo

Tokyo, Japan, ktojo.research@gmail.com

LINKS

Website

EDUCATION

Apr 2023 — Present	**Ph.D. (ongoing) at The University of Tokyo** Adviser: Nobuyuki Umetani	Tokyo, Japan
Apr 2021 — Mar 2023	**Master of Creative Informatics, The University of Tokyo** Adviser: Nobuyuki Umetani Completed with Dean's prize for outstanding thesis	Tokyo, Japan
Apr 2017 — Mar 2021	**Bachelor of Information Science, The University of Tokyo** Bachelor's thesis adviser: Takeo Igarashi	Tokyo, Japan

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PUBLICATIONS

Peer-Reviewed Conference & Journal Papers

1. **Kenji Tojo**, Ariel Shamir, Bernd Bickel, and Nobuyuki Umetani. Stealth Shaper: Reflectivity Optimization as Surface Stylization. *SIGGRAPH '23 Conference Proceedings.*
2. **Kenji Tojo** and Nobuyuki Umetani. Recolorable Posterization of Volumetric Radiance Fields Using Visibility-Weighted Palette Extraction. *Computer Graphics Forum* 41, 4 (July 2022), 149-160. Presented at *Eurographics Symposium on Rendering 2022.*
3. **Kenji Tojo**, Yifei Chen, and Nobuyuki Umetani. Neural Motion Compression with Frequency-adaptive Fourier Feature Network. *Eurographics 2022 - Short Papers.*

TALKS

Conference Presentations

- Stealth Shaper: Reflectivity Optimization as Surface Stylization.
  - *SIGGRAPH 2023* (August 8th, 2023)
  - 9 min. (followed by a poster session)
- Recolorable Posterization of Volumetric Radiance Fields Using Visibility-Weighted Palette Extraction.
  - *Eurographics Symposium on Rendering 2022* (July 6th, 2022)
  - 20 min. (including Q&A)
- Neural Motion Compression with Frequency-adaptive Fourier Feature Network.
  - *Eurographics 2022* (April 27th, 2022)
  - 15 min.

Invited Talks (in Japanese)

- Stealth Shaper: Reflectivity Optimization as Surface Stylization.
  - *VC/VCC 2023* (September 18th, 2023)
  - 15 min. (including Q&A)
- Recolorable Posterization of Volumetric Radiance Fields Using Visibility-Weighted Palette Extraction.
  - *VC/VCC* (October 7th, 2022)
  - 12 min. (including Q&A)

EXPERIENCES

Mar 2023	**Software Engineer Intern - Morgenrot Inc., Japan**	Tokyo, Japan
Feb 2021 — Mar 2021	**Research Assistant - The University of Tokyo**	Tokyo, Japan

Adviser: Takeo Igarashi.

AWARDS & GRANTS

Mar 2023   **Dean's prize for outstanding Master's research - UTokyo**

- Best Master's thesis of the year in the Creative Informatics Department

Apr 2023 — Mar 2026   **Japan Society for the Promotion of Science Research Fellow - DC1**

- 2,400,000 JPY / year

COURSEWORK   **Math:** Calculus, Linear Algebra, Differential Equations, Statistics, Continuous Optimization, Stochastic Processes, Discrete Mathematics, Mathematical Logic, etc.

CS: Computer Graphics, Physics-based Animation, Image/Video Coding, Machine Learning, User Interface, Remote Sensing, Compilers, Complexity Theory, etc.

TECHNICAL SKILLS   **Programming:** C++, OpenGL, Eigen, CUDA, Python, Pytorch, Pybind11 etc.

Creative: Adobe Illustrator, Adobe Premiere Pro, Blender, etc.

TEST SCORES   **TOEFL iBT:** 105 (October 15, 2022)