

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

PUBLICATIONS

Peer-Reviewed Conference & Journal Papers

1. **Kenji Tojo**, Ariel Shamir, Bernd Bickel, and Nobuyuki Umetani. Fabricable 3D Wire Art. *SIGGRAPH '24 Conference Proceedings*.
 2. **Kenji Tojo**, Ariel Shamir, Bernd Bickel, and Nobuyuki Umetani. Stealth Shaper: Reflectivity Optimization as Surface Stylization. *SIGGRAPH '23 Conference Proceedings*.
 3. **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*.
 4. **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 Adviser: Takeo Igarashi.	Tokyo, Japan

AWARDS & GRANTS

Mar 2023	Dean's prize for outstanding Master's research - UTokyo <ul style="list-style-type: none">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 <ul style="list-style-type: none">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)