

Kazuki Yane

Ph.D Candidate
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EDUCATION

- **Ph.D in Integrated Design Engineering, Keio University, Yokohama, Japan** *Apr. 2023 - Current*
Advisor: Prof. Takahiro Nozaki
- **MS in Integrated Design Engineering, Keio University, Yokohama, Japan** *Apr 2021 - Mar 2023*
Advisor: Prof. Takahiro Nozaki GPA: 3.94/4.0
- **BS in System Design Engineering, Keio University, Yokohama, Japan** *Apr 2017 - Mar 2021*
Advisor: Prof. Toshiyuki Murakami GPA: 3.49/4.0

WORK EXPERIENCE

- **Keio University, Graduate School of Science and Technology** *Apr. 2024 - Mar. 2025*
Assistant Professor (Fixed-term, Research Encouragement)
– Assisted in the organization and operation of events.
- **Keio University, Department of System Design Engineering** *Apr. 2023 - Mar. 2024*
Assistant Professor (Fixed-term)
– Conducted laboratory classes and assisted in organizing and running academic events.
– Supervised undergraduate and graduate students in the laboratory.

PUBLICATIONS

- Kazuki Yane, Hisaichi Shibata, Hermano Igo Krebs and Takahiro Nozaki, “Force-Based Adaptive Fine-tuning for Robot Motion Reproduction during Changeovers,” *IEEE Access*, Resubmission in preparation.
- Kazuki Yane, Yusuke Kido, Masaki Yazawa, Seiji Asoda, Masahiro Kawana and Takahiro Nozaki, “Development of Penetration Detection/Automatic Stop System for Dental Implant Surgery Based on Frequency Analysis,” *Journal of Japan Society of Computer Aided Surgery*, vol. 24, no. 4, pp. 226-233, 2023. (in Japanese)

SKILLS

Languages: Japanese, English
Programming Languages: C, C++, Python, MATLAB, Ruby, JavaScript
Frameworks: Deep Learning frameworks (e.g., TensorFlow, PyTorch), Python libraries (NumPy, Matplotlib, etc.)

AWARDS

- **The Japanese Society for Computer Aided Surgery (JSCAS) Paper Award (Engineering Award)** *Nov. 2024*
- **JSME Hatakeyama Award** *Mar. 2021*