

Ryosuke Yoneda

Graduate School of Informatics, Kyoto University, Kyoto 606-8501, Japan

🌐 <https://yonesuke.github.io/>

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🐙 yonesuke

EDUCATION

Graduate School of Informatics, Kyoto University
Doctor of Informatics, Ph.D.

Kyoto, Japan

Expected Graduation: March 2023

Graduate School of Informatics, Kyoto University
Master of Informatics

Kyoto, Japan

Graduation: March 2020

Faculty of Engineering, Kyoto University
Bachelor of Engineering

Kyoto, Japan

Graduation: March 2018

PUBLICATIONS

- **R. Yoneda**, T. Tatsukawa, and J. Teramae, The lower bound of the network connectivity guaranteeing in-phase synchronization, *Chaos* **31**, 063124 (2021).
- **R. Yoneda**, K. Harada, and Y. Y. Yamaguchi, Critical exponents in coupled phase-oscillator models on small-world networks, *Phys. Rev. E* **102**, 062212 (2020).
- **R. Yoneda** and Y. Y. Yamaguchi, Classification of bifurcation diagrams in coupled phase-oscillator models with asymmetric natural frequency distributions, *J. Stat. Mech.*, 033403 (2020).

EXPERIENCE

TEACHING

Practical Mathematics Skills
Part-time teacher

Kyoto Junior College of Foreign Languages
Second semester, 2020 – 2022

TEACHING ASSISTANT

All done in Kyoto University

- **Fundamental Physics A**
- **Analytical Mechanics**
- **Nonlinear Dynamics**
- **Applied Mathematics A1**
- **Advanced Calculus II - Differential Equations**
- **Exercise on Applied Mathematics and Physics**
- **Applied Mathematics A3**

First semester, 2021
Second semester, 2020
First semester, 2020 – 2021
Second semester, 2019
Second semester, 2018
First semester, 2018 – 2020
First semester, 2018

RESEARCH ASSISTANT

- Assist in the development of methods for statistically estimating mathematical models from data on spatio-temporal rhythm phenomena
April 2021 – March 2022
- Assist in research on orbital design of space probes
January 2021 – March 2021
- Assist in the development of statistical methods for building mathematical models from observed data of rhythmic phenomena
April 2020 – March 2021

INTERNSHIP

Nomura Securities Co.,Ltd.
Nomura passport

Tokyo, Japan
November 2021 – December 2021

- Challenged to formulate and determine the risk of financial instruments using machine learning techniques.

The P&G Japan Ltd.

Summer internship

Kobe, Japan

November 2021

Mercari Inc.

Professional Internship

Tokyo, Japan

August 2018 – September 2018

- Challenged to formulate and solve an optimization problem within Mercari Inc. using a quantum annealing system called D-Wave.

DATAGRID Inc.

Internship

Kyoto, Japan

April 2018 – March 2020

OTHER.....

Walk in U.S., Talk on Japan

As a member of delegation

The Government of Japan

June 2014

- While travelling through several cities in North America, the delegation discussed important factors of the future U.S.-Japan relationship, and talked about recent positive developments in Japan.

GRANTS

Iwadare Scholarship

Iwadare Scholarship Foundation

April 2020 – March 2021

Research Fellowship for Young Scientists

Japan Society for the Promotion of Science DC2

April 2022 – March 2024

TECHNICAL SKILLS

- Programming Languages: Python, Julia, C, C++
- Fluent in Japanese, conversational in English (TOEIC score 945)