

# Ryosuke Yoneda

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

🌐 <https://yonesuke.github.io/>

✉ [yoneda@acs.i.kyoto-u.ac.jp](mailto:yoneda@acs.i.kyoto-u.ac.jp)

🔗 [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 the development of statistical methods for building mathematical models from observed data of rhythmic phenomena  
*April 2020 – March 2021*

### INTERNSHIP

**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

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**Iwadare Scholarship**

**Iwadare Scholarship Foundation**

*April 2020 – March 2021*

## TECHNICAL SKILLS

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- Programming Languages: Python, Julia, C, C++
- Fluent in Japanese, conversational in English