

# Keigo Kusumegi

Email: [kusukun7@gmail.com](mailto:kusukun7@gmail.com)

Phone: (+81) 90-9797-3828

Website: <https://keygoksmg.github.io/>

## EDUCATION

---

**Cornell University** (Ithaca, NY)  
PhD program in Information Science  
Adviser: Dr. Yukie Sano

*August 2023 – Current*

**University of Tsukuba** (Ibaraki, Japan)  
Doctoral degree programs in Systems and Information Engineering  
Adviser: Dr. Yukie Sano

*April 2023 – July 2023*

**University of Tsukuba** (Ibaraki, Japan)  
Master's degree programs in Systems and Information Engineering  
Adviser: Dr. Yukie Sano  
Expected graduation dates: 03/2023

*April 2021 – March 2021*

**University of Tsukuba** (Ibaraki, Japan)  
College of Policy and Planning Sciences  
Thesis: Academic world from the perspective of acknowledgement networks and reciprocity  
Adviser: Dr. Yukie Sano  
Bachelor of Science, GPA: 3.47/4.3

*April 2017 – March 2021*

**Universidad de Guadalajara** (Jalisco, Mexico)  
University Centre Of Economic And Administrative Sciences  
International Exchange Student program

*August 2018 – July 2019*

## PUBLICATIONS

---

**Kusumegi, K.**, Sano, Y. Dataset of identified scholars mentioned in acknowledgement statements. *Sci Data* 9, 461 (2022).

**Kusumegi K.**, Sano, Y. 2021. Citations and Gender Diversity in Reciprocal Acknowledgement Networks. Preprint at *arXiv:2104.01729* (2021).

## EXPERIENCE

---

**Research internship in Northeastern University** Online  
Adviser: Dr. Albert-Laszlo Barabasi & Dr. Rodrigo Dorantes-Gilardi *September 2022 – December 2022*  
Three-month research internship focusing on the differences and similarity between collaboration and acknowledgment networks.

**Reconstructing Network Dynamics from Data: Applications to Neuroscience and Beyond** Los Angeles, CA  
Workshop hosted by Institute for Pure & Applied Mathematics, UCLA. *August 2022*

**g-RIPS (Graduate-level Research in Industrial Projects for Students - Sendai)** Online & Sendai, Japan  
International research program hosted by the Tohoku Univ. and UCLA. *June 2021 – August 2021*

Project theme: Optimization of wireless base station placement as an essential foundation for our future IoT society.

**Internship, OPTiM Corporation**

R&D Summer Internship at Optim.inc  
Intern theme: CNN-based crowd counting

Online  
*September 2020 – October 2020*

**Student Supports for conference**

Student staff for the international conference NetSciX Tokyo, Japan

Tokyo, Japan  
*January 2020*

**International Exchange Student**

Tsukuba Trans-Pacific Human Capital Development Program International Exchange Program

Jalisco, Mexico  
*August 2018 – July 2019*

**Teaching Assistant**

- Introduction to Programming (2021 & 2022 Fall)
- Introduction to Quantitative Economics (2021 & 2022 Fall)
- Seminar in Social and Economics: Quantitative Systems Analysis Area (2021 & 2022 Spring)

## HONORS & AWARDS

---

**Funai Overseas Scholarship**

Granted 2 years of tuition, medical insurance, and stipend.

*2023-2025*

**QUAD Fellowship**

Elected as one of 100 fellows out of over 3,200 applications from the US, India, Australia, and Japan.  
Granted 50,000 USD for related academic expenses.

*2023-2024*

**President's Commendation**

Received President's Commendation for outstanding contribution in my research at University of Tsukuba

*March 2023*

**Tsukuba Scholarship**

100,000JPY for graduate study. Two out 23 PhD students selected

*March 2023*

**Student grants**

Granted the registration fee for the Conference on COMPLEX SYSTEMS 2022 at Mallorca, Spain.

*October 2022*

**Nakagawa Ikueikai Scholarship**

A Scholarship by Nakagawa Scholarship Foundation for 2 years.  
This scholarship was offered to a few outstanding candidates in the Department of Systems and Information Engineering, University of Tsukuba.

*April 2021 – March 2023*

**Best Poster Award**

Award for the best poster presenter in the Network Ecology symposium 2021

*March 2021*

**SAS AWARD**

Award for the best solution proposed group in the class of Seminar on Management Science. We proposed a model for demand predictions of

*December 2019*

pharmacy productions.

### **Scholarship from Japan Society for The Promotion of Science**

*August 2018 – July 2019*

A scholarship for an international exchange program of Inter-university exchange project for one year.

## **PRESENTATIONS**

---

- 1. Conference on Complex Systems 2022**  
Palma de Mallorca, Spain / October 2022  
Oral presentation: Interdisciplinarity between acknowledgement and collaboration
- 2. Reconstructing Network Dynamics from Data: Applications to Neuroscience and Beyond**  
Los Angeles, CA / August 2022  
Poster: Interdisciplinarity in authorship and acknowledgment networks
- 3. SOCIOECONOMIC NETWORKS AND NETWORK SCIENCE WORKSHOP 2022**  
Online / August 2022  
Oral presentation: Identified acknowledged scholars and their interdisciplinarity
- 4. NetSci2022**  
Online / July 2022  
Oral presentation: Identifying acknowledged scholars in open access journals and their networks
- 5. 17<sup>th</sup> Network Ecology Symposium**  
Online / March 2022  
Invited talk: Construction and Structure of Scholar Acknowledgement Network
- 6. Complex Networks 2021**  
Online / November 2021  
Lightning talk: Empirical Analysis of Acknowledgment Network and Citation
- 7. SCIENCE OF INNOVATION AND SUCCESS WORKSHOP**  
Tokyo, Japan / August 2021  
Oral presentation: Academic World from Acknowledgement Network Analysis
- 8. IC2S2: 7<sup>th</sup> International Conference on Computational Social Science**  
Online / July 2021  
Poster: Citation and Gender Diversity in Research Acknowledgement Networks With Reciprocity
- 9. Networks 2021: A Joint Sunbelt and NetSci Conference**  
Online / July 2021  
Oral presentation: Citation and gender diversity in reciprocal acknowledgement networks
- 10. 16<sup>th</sup> Network Ecology Symposium (Best poster award)**  
Online / March 2021  
Poster: Citation networks and gender diversity in reciprocal acknowledgement networks
- 11. 7<sup>th</sup> Service Engineering Symposium**  
Online / February 2021

Poster: The relationships between citation and reciprocity in acknowledgement networks

**12. Network Seminar 2020**

Online / December 2020

Poster: Emergence of reciprocity in research acknowledgements networks and that impact on citation

**13. 7<sup>th</sup> Satellite on Quantifying Success 2020**

Online / September 2020

Oral presentation: Emergence of reciprocity in research acknowledgement network

## **PROGRAMMING SKILLS**

---

- Python (advanced), SQL (advanced), Cypher for neo4j (advanced), R (intermediate)