

Keigo Kusumegi

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EDUCATION

University of Tsukuba (Ibaraki, Japan)

April 2021 – Current

Degree programs in Systems and Information Engineering

Adviser: Dr. Yukie Sano

Expected graduation dates: 03/2023

University of Tsukuba (Ibaraki, Japan)

April 2017 – March 2021

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

Universidad de Guadalajara (Jalisco, Mexico)

August 2018 – July 2019

University Centre Of Economic And Administrative Sciences

International Exchange Student program

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

Advisor: Dr. Albert-Laszlo Barabasi

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

Online

R&D Summer Internship at Optim.inc

September 2020 – October 2020

Intern theme: CNN-based crowd counting

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**

2023-2025

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

QUAD Fellowship

2023-2024

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.

Student grants

October 2022

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

Nakagawa Ikueikai Scholarship

April 2021 – March 2023

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.

Best Poster Award

March 2021

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

SAS AWARD

December 2019

Award for the best solution proposed group in the class of Seminar on Management Science. We proposed a model for demand predictions of 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. **17th 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: 7th 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. **16th Network Ecology Symposium (Best poster award)**
Online / March 2021
Poster: Citation networks and gender diversity in reciprocal acknowledgement networks
11. **7th 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. **7th 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)