

# Keigo Kusumegi

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## EDUCATION

**University of Tsukuba** (Ibaraki, Japan)

*April 2021 – Current*

Degree programs in Systems and Information Engineering

Adviser: 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: 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

## EXPERIENCE

**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.inc**

Online

R&D Summer Internship at Optim.inc

*September 2020 – October 2020*

Intern theme: CNN-based crowd counting

**Student Supports for conference**

Tokyo, Japan

Student staff for the international conference NetSciX Tokyo, Japan

*January 2020*

**International Exchange Student**

Jalisco, Mexico

Tsukuba Trans-Pacific Human Capital Development Program International Exchange Program

*August 2018 – July 2019*

**Teaching Assistant**

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

## HONORS & AWARDS

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### **Student grants**

*October 2022*

A student grant that fully covers the registration fee of 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 international exchange program of Inter-university exchange project for 1 year

## PUBLICATIONS

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**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).

## PRESENTATIONS

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- 1. Reconstructing Network Dynamics from Data: Applications to Neuroscience and Beyond**  
Los Angeles, CA / August 2022  
Poster: Interdisciplinarity in authorship and acknowledgment networks
- 2. SOCIOECONOMIC NETWORKS AND NETWORK SCIENCE WORKSHOP 2022**  
Online / August 2022  
Oral presentation: Identified acknowledged scholars and their interdisciplinarity
- 3. NetSci2022**  
Online / July 2022  
Oral presentation: Identifying acknowledged scholars in open access journals and their networks
- 4. 17<sup>th</sup> Network Ecology Symposium**  
Online / March 2022  
Invited talk: Construction and Structure of Scholar Acknowledgement Network
- 5. Complex Networks 2021**

Online / November 2021

Lightning Oral talk: Empirical Analysis of Acknowledgment Network and Citation

**6. SCIENCE OF INNOVATION AND SUCCESS WORKSHOP**

Tokyo, Japan / August 2021

Oral presentation: Academic World from Acknowledgement Network Analysis

**7. 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"

**8. Networks 2021: A Joint Sunbelt and NetSci Conference**

Online / July 2021

Oral presentation: Citation and gender diversity in reciprocal acknowledgement networks

**9. 16<sup>th</sup> Network Ecology Symposium (Best poster award)**

Online / March 2021

Poster: Citation networks and gender diversity in reciprocal acknowledgement networks

**10. 7<sup>th</sup> Service Engineering Symposium**

Online / February 2021

Poster: The relationships between citation and reciprocity in acknowledgement networks

**11. Network Seminar 2020**

Online / December 2020

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

**12. 7<sup>th</sup> Satellite on Quantifying Success 2020**

Online / September 2020

Oral presentation: Emergence of reciprocity in research acknowledgement network

## **PROGRAMMING SKILLS**

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