



# Google University Relations in Japan

- A briefing and Q&A

November 30, 2023

East Asia University Relations, Google

# Outline

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- Google University Relations: a Global Perspective
- Google University Relations in Japan
- Program / Collaboration Examples
- Google Contact

# Google University Relations

# University Relations (UR) @ Google

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## What do we do?

- Enable academic collaborations for Google Research
- Promote academic research in areas of interest to Google
- Support the pipeline of CS researchers globally

## Why do we do this?

- Augment research capacity
- Create research results and impact that would not otherwise be possible
- **Positively impact as many people as possible to make the world a better place**



# Opportunities for Faculty

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## Research Grants

**Supports research sponsored by Googlers.** Not for open call but Google Sponsor applies for it on behalf of the Professor.

## Research Scholar Program

**Supports research conducted by early-career faculty** globally. Applications open in Fall.

## Award for Inclusion Research Program

Supports research addressing the needs of **populations historically underrepresented in the tech industry.** Applications open in Summer.

## exploreCSR Program

Awards that support universities to host **CS research workshops** to increase the number of **students from historically marginalized groups'** in CS research pathways.

## Visiting Researcher Program

Invite-only program for academic researchers to visit Google for 3-12 months to **collaborate with research and engineering teams.**

# Opportunities for Student

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## PhD Fellowship Program

**Fellowships recognize outstanding graduate students** doing exceptional and innovative research. The program supports promising PhD candidates of all backgrounds who seek to influence the future of technology.

## Student Travel Grants

Support outstanding research students to **attend leading conferences**.

<https://buildyourfuture.withgoogle.com/scholarships/google-conference-scholarships>  
(APAC tab, East Asia section)

## Conference Scholarships & internships

**Scholarships to encourage students** to excel in their studies and become role models and leaders. Additionally, **internship opportunities** are available across various research areas.  
[buildyourfuture.withgoogle.com/](https://buildyourfuture.withgoogle.com/)

## Student Researcher Program

Support students to pursue future career in research. To work with Google teams at Google as **Research Intern**. Flexible internship period. BS, MS or PhD students are all eligible.

# Research resources

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Google Cloud  
Platform (GCP)  
[\[website\]](#)

**GCP Research Credits** to provide students and researchers with computing power, storage and AI tools to develop bold ideas and make cutting-edge discoveries.

Datasets  
[\[website\]](#)

**Google open-sourced data** of interest to researchers in a wide range of CS-related disciplines contributed to the broader research community.

TensorFlow  
[\[website\]](#)

An **end-to-end open source machine learning platform** offering a flexible ecosystem of tools, libraries and community resources that lets researchers push the state-of-the-art in ML.

Cirq

A **python framework** for composing, analyzing, implementing and simulating quantum circuits, design for contemporary quantum computers.

# Google UR in Japan



# Google UR in Japan since 2015

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- 2015/2016: Started from PhD Fellowship Program and Student Travel Grants Program
  - PhD Fellowship program: 1-2 awardees from 2018 – 2022 [[awardees](#)]
- 2019: AI Focused Research Awards to foster AI research collaborations [[6 awards](#)]
- 2020: Further deepen the collaborations with the University of Tokyo [[blog post](#)]
- 2020: New programs and global UR program restructure
  - A first visiting researcher to the Tokyo office (Prof. Jun Suzuki, Tohoku-U)
  - [exploreCSR](#) award successful pilot in Japan, to foster CS research diversity
- 2021: Research collaborations with more universities:
  - Google Research Awards to professors at UTokyo, KyotoU, NAIST, OIST, Tsukuba, NII
  - 3 [exploreCSR](#) awards for CS education for women students.
- 2022: Keep expanding coverage and inclusiveness
  - Newly support Tokyo University of Agriculture and Technology, Toyohashi University of Technology
  - 2 awardees for [Award for Inclusion Research](#) (UTokyo, Tokyo Tech).
  - 4 student researchers working on AI/ML, Speech, NLP, Perception.
- 2023: Introduced Google Silicon Research Program
  - Awarded 2 research projects working on [open hardware tools and applications](#).

# Collaboration Programs at a Glance

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## Faculty

Research Grant

Award for  
Inclusion

Research  
Scholar

Visiting  
researcher

Conf.  
Sponsorship

GCP Credits  
Grant

exploreCSR

## Student

PhD  
Fellowship

Student  
Travel Grants

Student  
Researcher  
Program

Please refer [here](#) for a full list of program offerings.

# Program / Collaboration Examples

# Google Research Awards

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## Working model

- Google Research Awards are, not for open call, but nominated by Google researchers.
- Strong ties between Google research teams and academic teams working on areas that are of mutual interests, for example: AI/ML, NLP, Speech, Mobile, system, etc.
- A way to deepen the research collaborations based on prior interactions, targeting long-term collaborations.

## Timeline

- Rolling basis
- Google researchers to submit application with the proposal by faculty.

# Silicon Research Program

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## Objectives

- Build an academic-industry network surrounding Silicon research
- Contribute to the open & inclusive Silicon research community
- Accelerate the potential collaborations on Silicon research efforts

## How it works

- Connect with Google researchers/engineers to know their needs.
- Professors come up with proposals (2-3 pages).
- Google review committee to review proposals.
- Google decision and announcement.

Please proactively reach out to us if you are interested in this opportunity.

## **Awardees from universities and research institutions in Japan (2023)**

- Prof. Mizuki Oka (Tsukuba University)
- Prof. Shinichiro Omachi (Tohoku University)
- Prof. Kohei Yatabe (Tokyo University of Agriculture and Technology)
- Prof. Junichi Yamagishi (National Institute of Informatics)
- Prof. Saku Sugawara (National Institute of Informatics)
- Prof. Norihide Kitaoka (Toyohashi University of Technology)
- Prof. Yuki Saito (University of Tokyo)
- Prof. Yoshiharu Kim (National Center of Neurology and Psychiatry)
- Prof. Tatsuya Kawahara (Kyoto University)

# GCP Credits

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## Apply GCP Research Credit

- \$5,000 USD for faculties and Postdocs. \$1,000 USD for PhD students.
- Directly apply for the GCP Credits by filling in the [application form](#) online.

## Do you need more credit?

- Reach out to Google Sponsor or [Google Contact](#) through email to apply for GCP Credits on behalf of you.
- Please provide following information:
  - Purpose (or title of research):
  - Abstract or Description of research (1-2 paragraphs):
  - Total Credit amount requested (in USD): Please use the GCP calculator to determine the credit amount: <https://cloud.google.com/products/calculator/> :
  - GCP calculator screenshot (please keep the screen from previous step):
- Google review may take a few weeks before decision is made.

# Conference Sponsorship

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- Sponsorship to both international or domestic research conferences, with the relevance to Google research, for example: AI/ML, NLP, Speech, etc.
- Request has to be submitted by Google employees on behalf of the external requester.
- Funding support based on needs, typically a few thousand US dollars.
- How to request? The process as below.

**Step 1:** Please reach out to [Google Contact](#) to help submit a sponsorship request on behalf of you.

**Step 2:** Google University Relations team will receive the application and then connect with you to request more details.

**Step 3:** Based on the detailed information, Google University Relations team will collect the review feedback by the review committee to make the decision.

**Step 4:** Approved or not, there is a message of communication on the decision.

**Step 5:** If approved, then Google University Relations team will follow on for payment. And invite Google employees to join the conference with the free tickets based on the sponsorship benefits.



# 2021-2023 exploreCSR award recipient

## Meiji University and Ochanomizu University

*Online community for CS women students*

*PI: Prof. Yuki Igarashi (moved to Ochanomizu University from 2022)*

明治大学総合数理学部五十嵐悠紀准教授が運営する「大学を超えた情報系女子学生が集うプラットフォーム」がこのたび、Googleがコンピュータサイエンスの研究の楽しさをより広く学生に伝える活動を支援するプログラム“exploreCSR (Computer Science Research)”に採択されました。

この取り組みは、五十嵐准教授が自身の経験を踏まえ、女性比率が低い情報系分野で次世代を牽引するリーダーを育てる目的で、Slackを中心とした場を創出し、情報系女子学生コミュニティの活性化を図るというもの。

現在は、情報系の女子学生を広く受け入れる女子オンラインコミュニティとしてSlackを中心に、明治大学、東京大学、北海道大学、名古屋大学やお茶の水女子大学をはじめ60名を超える学生・女性研究者が大学を超えて集い、日々交流を広げています。

今後は、大学生だけではなく中学生・高校生も含めて、プラットフォームへの登録人数をさらに増やし“縦のつながり”を強化することで、情報系に興味をもつ女性に興味喚起します。また、情報処理学会ヒューマンコンピュータインタラクション研究会(HCI研究会)や、日本ソフトウェア科学会、インタラクティブシステムとソフトウェア研究会SS研究会などの団体とも協力体制を整え、大学入学の際の情報系女子比率と女子学生大学院進学率の向上を目指します。

Reference: [女性比率が低い“情報系女子学生”に大学を超えた支援を！総合数理学部 五十嵐悠紀准教授が運営するプラットフォームがGoogleのexploreCSRに採択されました](#)

## Visiting Researcher @ Google Tokyo Shibuya office

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- Working on research projects at Google for a period of time, for example: 6 month or 12 months, with time commitment ranging from 50% to 100% (full time).
- Faculties in Japanese universities may use cross-appointment system to be a visiting researcher under some conditions.
- Work with Google research or engineering teams, as well as the potential opportunities of accessing Google infrastructure and the data.

### **Former visiting researchers at Tokyo Office**

- Prof. Jun Suzuki (Tohoku University), 2020 - 2022
- Prof. Hynek Hermansky (John Hopkins), 2022 - 2023

# Google PhD Fellowship Program

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## **Awardees from universities in Japan**

- Futoshi Futami, University of Tokyo, Machine Learning, 2018
- Takashi Ishida, University of Tokyo, Machine Learning, 2019
- Naoki Kimura, University of Tokyo, Mobile Computing, 2019
- Nontawat Charoenphakdee, The University of Tokyo, Machine Learning, 2020
- Hiromu Yakura, University of Tsukuba, Human Computer Interaction, 2020
- Roman Koshkin, Okinawa Institute of Science and Technology, 2021
- Qian Niu, Kyoto University, Health Research, 2022
- Zhongyi Zhou, University of Tokyo, Human Computer Interaction, 2022
- Zixiong Su, The University of Tokyo, Human Computer Interaction, 2023

# Google Contact

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Google University Relations (UR)

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You may reach out to me either in Japanese or English.