



Google University Relations in S. Korea

- A Briefing and Q&A

June 21, 2023

East Asia University Relations, Google

Outline

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

Google University Relations

University Relations @ Google

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

Research Scholar
Program
[\[website\]](#)

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

Award for Inclusion
Research Program
[\[website\]](#)

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

Visiting Research
Program
[\[website\]](#)

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

For more details: research.google/outreach

Opportunities for Student

PhD Fellowship Program [\[website\]](#)

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. Applications for East Asia open each Fall - see program FAQ for other regions.

Student Travel Grants [\[website\]](#)

Supports outstanding research students to **attend leading conferences**. Applications open any time (APAC tab, East Asia application form).

[exploreCSR](#) [\[website\]](#)

Awards that support universities to host **computer science research (CSR) workshops** in order to **increase the number of students from groups traditionally underrepresented in CS** to pursue graduate studies and research careers in computing. Applications open in Summer.

Research resources

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 S. Korea

Google UR in Korea since 2015

- 2015/2016: Started from PhD Fellowship Program and Student Travel Grants Program
 - PhD Fellowship program: ~2 awardees per year
 - Students Travel Grants: 26 awardees since 2016 coming from a few universities
- 2018: AI research projects to foster AI research collaborations [[4 awards](#)]
- 2019: Further deepen the collaborations with universities in Korea [example: [blog post](#)]
- 2020: New programs and global UR program restructure
 - A first visiting researcher to the Seoul office
 - [exploreCSR grant](#) successful pilot in Korea, to foster CS research diversity
 - 2 Research grants for close tie research collaborations
- 2021: research collaborations with more universities:
 - Research grants to professors at KU, POSTECH, SNU, KAIST
 - Other opportunities being identified

Collaboration Programs at a Glance

Faculty

[Research Grant](#)

[Award for Inclusion](#)

[Research Scholar](#)

[Visiting researcher](#)

[Conf. Sponsorship](#)

[GCP Credits Grant](#)

Student

[exploreCSR](#)

[PhD Fellowship](#)

[Student Travel Grants](#)

[Student Research Program](#)

Program / Collaboration Examples

Research Grants

Working model

- Research Grant, not for open call, but nominated by Googlers (basically Google research scientists or engineers).
- 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
- Googler to submit application with the proposal when there is mature idea.

Conference Sponsorship

- 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 Googlers 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 UR team will receive the application and then connect with you to request more details.

Step 3: Based on the detailed information, Google UR 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 UR team will follow on for payment. And invite Googlers to join the conference with the free tickets based on the sponsorship benefits.

GCP Credits Donation

If {GCP Credits value} > 5000 (US\$), Then

- 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.

Otherwise {GCP Credits value} <= 5000 (US\$), Then

- Directly apply for the GCP Credits by filling in the [application form](#) online.

Korea Advanced Institute of Science and Technology

Workshop: Rising Stars in EECS 2021

PI: Prof. Sukyoung Ryu

Objectives:

Organize a workshop aiming to prepare talented women undergraduate and graduate students in EECS to prepare for the academic career.

Recruitment plans:

Reach out to women students in EECS in Korea especially focusing on the top five engineering universities in EECS in Korea. They will be reached about by women faculty members from each department through two channels: directly in contact through email and indirectly through advisors for recommendations and posters.

Content areas:

- Presentation by talented graduate women students and postdocs in EECS on their current research topics
- Tutorial on academic job search process and delivering effective job talks
- Networking session with peers and mentors
- Panel discussion on building an independent research group, maintaining work-life harmony, and leadership.

Partners/collaborators:

KAIST, POSTECH, UNIST, DGIST, GIST

Format and schedule:

Women students in EECS will present their research and introduce themselves to their peers and faculty members participating in the workshop. Invitations will be sent out to other students and faculty members to join the presentation. We will have 2 workshops for “Rising Stars in EECS” in a year.

Sustainment plans:

The first workshop will focus on soft skills. Women students in EECS are all welcome to join. The second workshop will focus on research. Women students in EECS will be reached out and will be asked to submit an application to join this workshop. Women faculty members from the five engineering universities will decide on the selection criteria.

Resources:

<http://rs2020.kaist.ac.kr> (in Korean)

Contact information:

sryu.cs@kaist.ac.kr

Visiting Researcher @ Google Seoul office

- 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).
- Korea law now allows to take the cross-appointment role in the industry.
- Work with Google research or engineering teams, as well as the potential opportunities of accessing Google infrastructure and the data.

Security and Privacy

2020

Computer Vision

2021

Model Optimization

2022

Google Contact

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