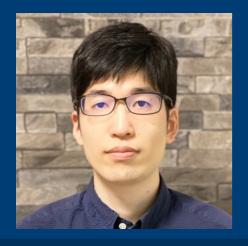# Shusaku Egami

Researcher

Personal Info

Email
s-egami@mail.uec.jp

LinkedIn
https://www.linkedin.com/in/s-egami/

Skills

Programming Language: Java, Python, HTML, CSS, JavaScript, SPARQL, RDF/OWL, XML/XMLSchema/XSLT, SQL, PHP

Tools and Framework: Protégé, GraphDB, Virtuoso, LAMP, SQLite, Jena, RDFlib, Keras, ArcGIS, Bootstrap, jQuery, WordPress, Flarum, Git, LaTeX

Languages

Japanese

English

Hobby/Interest

Pen spinning (a.k.a Ease), Trekking, and Fishing

Updated:2023-07-21

Researcher adept at data collection, knowledge acquisition, knowledge graph construction, graph representation learning, and reasoning. Well-versed in semantic web research protocols. Please see my publications: https://profile.idease.info/index-e.html

Work History

2020-10 - present	**Researcher**
	National Institute of Advanced Industrial Science and Technology (AIST), Koto, Tokyo, Japan
	Data-knowledge integration research
2019-04 - present	**Part-Time Lecturer**
	Hosei University, Koganei, Tokyo, Japan
	Two courses: "Semantic Web" and "Agent Technology"
2019-04 - 2020-10	**Researcher**
	Electronic Navigation Research Institute (ENRI), Chofu, Tokyo, Japan
	Semantic web research for advanced air traffic management
2018-04 - 2019-03	**Research Fellowships for Young Scientists**
	Japan Society for the Promotion of Science, Chiyoda, Tokyo, Japan
	Doctoral research
2017-06 - 2019-03	**Part-Time System Engineer**
	Japan Science and Technology Agency, Chiyoda, Tokyo, Japan
	Developed science maps
2015-02 - 2015-05	**Internship Student**
	Vasily Inc., Shibuya, Tokyo, Japan
	Developed a web application for fashion coordination
2014-08 - 2014-09	**Internship Student**
	NTT R&D Center, Yokosuka, Kanagawa, Japan
	Developed a semantic web service for business support

Education

2016-04 - 2019-03	**Informatics, Doctor of Engineering**
	The University of Electro-Communications, Chofu, Tokyo
2014-04 - 2016-03	**Social Intelligence and Informatics, Master of Engineering**
	The University of Electro-Communications, Chofu, Tokyo
2010-04 - 2014-03	**Applied Informatics, Bachelor of Science and Engineering**
	Hosei University, Koganei, Tokyo

Projects

2023-04 - 2027-03

Co-Investigator

Prediction of changes in people's behavior toward measures by SNS, IoT, and open data fusion mining

Organization
- Japan Society for the Promotion of Science: JP
Funding subtype
- Grant-in-Aid for Scientific Research (B)
Total funding amount
- JPY 18,720,000

2022-04 - 2025-03

Principal Investigator

Study on event knowledge graph construction considering semantic validity, query performance, and prediction accuracy

Organization
- Japan Society for the Promotion of Science: JP
Funding subtype
- Grant-in-Aid for Early-Career Scientists
Total funding amount
- JPY 4,420,000

2020-08 - 2021-03

Co-Investigator

Foundation of the management platform of patients' locational data for pandemic response

Organization
- Japan Agency for Medical Research and Development: JP
Total funding amount
- JPY 38,000,000

2019-08 - 2021-03

Principal Investigator

Study on construction and transfer learning of knowledge graphs of heterogeneous data for predicting traffic obstruction factor

Organization
- Japan Society for the Promotion of Science: JP
Funding subtype
- Grant-in-Aid for Research Activity start-up
Total funding amount
- JPY 2,860,000

2019-04 - 2024-03

Co-Investigator

Systematization of reasoning and estimation technologies based on knowledge graph for realizing interpretable AI system

Organization
- Japan Society for the Promotion of Science: JP
Funding subtype
- Grant-in-Aid for Scientific Research (B)
Total funding amount
- JPY 17,030,000

2018-04 - 2019-03

Principal Investigator

Constructing infrastructure for reasoning social problems' causal relations and their cost-effectiveness

Organization
- Japan Society for the Promotion of Science: JP
Funding subtype
- KAKENHI, Grant-in-Aid for JSPS Fellows (DC2)
Total funding amount
- JPY 800,000

2017-04 - 2018-03	**Constructing Linked Open Data of social problems in Osaka City**

Principal Investigator

Organization
- Telecommunications Advancement Foundation: JP
Total funding amount
- JPY 1,430,000

Volunteering

2023-06 - 2023-10	*Resource Track Program Committee Member, The 32nd ACM International Conference on Information and Knowledge Management (CIKM2023)*
2023-04 - 2023-12	*Workshop Chair, The 12th International Joint Conference on Knowledge Graphs (IJCKG2023)*
2023-04 - 2023-11	*Posters and Demos Track Program Committee Member, The 22nd International Semantic Web Conference (ISWC2023)*
2023-04 - 2023-11	*Research Track Program Committee Member, The 22nd International Semantic Web Conference (ISWC2023)*
2023-01 - 2023-06	*Research Track Program Committee Member, The 20th Extended Semantic Web Conference (ESWC2023)*
2015-07 - present	*Executive Committee Member, Linked Open Data Challenge Japan*
2021-04 - 2021-10	*Research Track Program Committee Member, The 21st International Semantic Web Conference (ISWC2022)*
2022-02 - 2022-12	*Technical Program Committee Member, International Workshop on ATM/CNS (IWAC2022)*
2021-04 - 2022-03	*Program Committee Member, The 1st International Workshop on Knowledge Graph Reasoning for Explainable Artificial Intelligence (KGR4XAI2021)*
2021-04 - 2021-10	*Research Track Program Committee Member, The 20th International Semantic Web Conference (ISWC2021)*
2020-04 - 2020-11	*Research Track Program Committee Member, The 19th International Semantic Web Conference (ISWC2020)*

Awards

2023-06	**JSAI Incentive Award 2022, Japanese Society for Artificial Intelligence**

2022-12	**Grand Prize, Linked Open Data Challenge Japan 2022**
2022-12	**Best Dataset Award, Linked Open Data Challenge Japan 2022**
2022-11	**JSAI Annual Conference Award, Annual Conference of the Japanese Society for Artificial Intelligence (JSAI2022)**
2021-10	**Best Poster Award, The 20th International Semantic Web Conference (ISWC2021), Online**
2019-09	**Outstanding Poster Presentation Award, Joint Agent Workshop and Symposium (JAWS2019), Oita, Japan**
2019-06	**JSAI Incentive Award 2018, Japanese Society for Artificial Intelligence**
2018-03	**President's Award, The University of Electro-Communications**
2018-03	**IoT Award, Linked Open Data Challenge Japan 2017**
2017-09	**Outstanding Presentation Award, Japan Society for Software Science and Technology (JSSST2017), Kanagawa, Japan**
2017-03	**Entertainment LOD Award, Linked Open Data Challenge Japan 2016**
2016-03	**President's Award, The University of Electro-Communications**
2016-03	**Best Dataset Award in Dataset Category, Linked Open Data Challenge Japan 2015**
2014-03	**Best Bachelor Thesis Presentation Award, Department of Applied Informatics, Faculty of Science and Engineering, Hosei University**
2014-03	**Best Dataset Award, Linked Open Data Challenge Japan 2013**