

Shusaku Egami

Senior 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:2025-10-31

Researcher adept at data collection, knowledge acquisition, knowledge graph construction, and graph representation learning. Well-versed in semantic web research protocols. Please see my publications: <https://shusaku-egami.jp/index-e.html>

Work History

2023-10

- present

Senior Researcher

National Institute of Advanced Industrial Science and Technology (AIST), Koto, Tokyo, Japan

2023-10

- present

Collaborative Associate Professor

The University of Electro-Communications, Chofu, Tokyo, Japan

2020-10

- 2023-09

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

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

2025-04

- 2029-03

Principal Investigator

Development of a Dialogue Interface for Knowledge Graphs with Diverse Modalities, Spatiotemporal Characteristics, and Openness

Organization

- Japan Society for the Promotion of Science: JP

Funding subtype

- Grant-in-Aid for Scientific Research (B)

		Total funding ammount - JPY 18,590,000
2023-04 - 2027-03	Co-Investigator	<i>Prediction of changes in people's behavior toward measures by SNS, IoT, and open data fusion mining</i> 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	<i>Study on event knowledge graph construction considering semantic validity, query performance, and prediction accuracy</i> 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	<i>Foundation of the management platform of patients' locational data for pandemic response</i> Organization - Japan Agency for Medical Research and Development: JP Total funding amount - JPY 38,000,000
2019-08 - 2021-03	Principal Investigator	<i>Study on construction and transfer learning of knowledge graphs of heterogeneous data for predicting traffic obstruction factor</i> 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	<i>Systematization of reasoning and estimation technologies based on knowledge graph for realizing interpretable AI system</i> 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	<i>Constructing infrastructure for reasoning social problems' causal relations and their cost-effectiveness</i>

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

2025-10
- present
Program Committee Member, The ACM Web Conference 2026 (WWW2026)

2025-09
- present
Editor, IEICE Transactions on Information and Systems

2025-01
- present
Local Organizing Committee Member, The 24th International Semantic Web Conference (ISWC2025)

2025-04
- 2025-10
Full Research Paper Track Program Committee Member, The 34th ACM International Conference on Information and Knowledge Management (CIKM2025)

2025-04
- 2025-11
Program Committee Member, The 2nd International Workshop on Actionable Knowledge Representation and Reasoning for Robots (AKR3) co-located with the 24th International Semantic Web Conference (ISWC2025)

2024-12
- 2025-05
Resource Track Program Committee Member, The 22nd Extended Semantic Web Conference (ESWC2025)

2024-10
- 2025-05
Program Committee Member, The 2025 ACM Web Conference (WWW2025)

2024-07
- 2024-11
Posters and Demos Track Program Committee Member, The 23rd International Semantic Web Conference (ISWC2024)

2024-07
- 2024-10
Program Committee Member, The 13th International Joint Conference on Knowledge Graphs (IJCKG2024)

2024-04
- 2024-10
Resource Paper Track Program Committee Member, The 33rd ACM International Conference on Information and Knowledge Management (CIKM2024)

2024-04
- 2024-10
Short Paper Track Program Committee Member, The 33rd ACM International Conference on Information and Knowledge Management (CIKM2024)

2024-04 - 2024-11	<i>Research Track Program Committee Member, The 23rd International Semantic Web Conference (ISWC2024)</i>
2024-01 - 2024-10	<i>Technical Program Committee Member, 2024 International Workshop on ATM/CNS (IWAC2024)</i>
2023-12 - 2024-06	<i>Resource Track Program Committee Member, The 21st Extended Semantic Web Conference (ESWC2024)</i>
2023-04 - 2024-02	<i>Program Committee Member, The 2nd International Knowledge Graph Reasoning Challenge (IGRC2024)</i>
2023-08 - 2023-12	<i>Poster & Demo Track Program Committee Member, The 12th International Joint Conference on Knowledge Graphs (IJCKG2023)</i>
2023-01 - 2023-12	<i>Organizing Committee Member, The 2nd International Workshop on Knowledge Graph Reasoning for Explainable Artificial Intelligence (KGR4XAI2023)</i>
2023-06 - 2023-10	<i>Resource Track Program Committee Member, The 32nd ACM International Conference on Information and Knowledge Management (CIKM2023)</i>
2023-04 - 2023-12	<i>Workshop Chair, The 12th International Joint Conference on Knowledge Graphs (IJCKG2023)</i>
2023-04 - 2023-11	<i>Posters and Demos Track Program Committee Member, The 22nd International Semantic Web Conference (ISWC2023)</i>
2023-04 - 2023-11	<i>Research Track Program Committee Member, The 22nd International Semantic Web Conference (ISWC2023)</i>
2023-01 - 2023-06	<i>Research Track Program Committee Member, The 20th Extended Semantic Web Conference (ESWC2023)</i>
2015-07 - present	<i>Executive Committee Member, Linked Open Data Challenge Japan</i>
2021-04 - 2021-10	<i>Research Track Program Committee Member, The 21st International Semantic Web Conference (ISWC2022)</i>
2022-02 - 2022-12	<i>Technical Program Committee Member, International Workshop on ATM/CNS (IWAC2022)</i>
2021-04 - 2022-03	<i>Program Committee Member, The 1st International Workshop on Knowledge Graph Reasoning for Explainable Artificial Intelligence (KGR4XAI2021)</i>
2021-04 - 2021-10	<i>Research Track Program Committee Member, The 20th International Semantic Web Conference (ISWC2021)</i>
2020-04 - 2020-11	<i>Research Track Program Committee Member, The 19th International Semantic Web Conference (ISWC2020)</i>

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