

# 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	<b>Senior Researcher</b> <i>National Institute of Advanced Industrial Science and Technology (AIST), Koto, Tokyo, Japan</i>
2023-10 - present	<b>Collaborative Associate Professor</b> <i>The University of Electro-Communications, Chofu, Tokyo, Japan</i>
2020-10 - 2023-09	<b>Researcher</b> <i>National Institute of Advanced Industrial Science and Technology (AIST), Koto, Tokyo, Japan</i> Data-knowledge integration research
2019-04 - present	<b>Part-Time Lecturer</b> <i>Hosei University, Koganei, Tokyo, Japan</i> Two courses: "Semantic Web" and "Agent Technology"
2019-04 - 2020-10	<b>Researcher</b> <i>Electronic Navigation Research Institute (ENRI), Chofu, Tokyo, Japan</i> Semantic web research for advanced air traffic management
2018-04 - 2019-03	<b>Research Fellowships for Young Scientists</b> <i>Japan Society for the Promotion of Science, Chiyoda, Tokyo, Japan</i> Doctoral research

## Education

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

## Projects

2025-04 - 2029-03	<b>Principal Investigator</b> <i>Development of a Dialogue Interface for Knowledge Graphs with Diverse Modalities, Spatiotemporal Characteristics, and Openness Organization</i> - Japan Society for the Promotion of Science: JP Funding subtype - Grant-in-Aid for Scientific Research (B)
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		Total funding amount - JPY 18,590,000
2023-04 - 2027-03	<b>Co-Investigator</b> <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	<b>Principal Investigator</b> <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	<b>Co-Investigator</b> <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	<b>Principal Investigator</b> <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	<b>Co-Investigator</b> <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	<b>Principal Investigator</b> <i>Constructing infrastructure for reasoning social problems' causal relations and their cost-effectiveness</i>	

	<p>Organization - Japan Society for the Promotion of Science: JP</p> <p>Funding subtype - KAKENHI, Grant-in-Aid for JSPS Fellows (DC2)</p> <p>Total funding amount - JPY 800,000</p>
2017-04 - 2018-03	<p><b>Constructing Linked Open Data of social problems in Osaka City</b></p> <p><i>Principal Investigator</i></p> <p>Organization - Telecommunications Advancement Foundation: JP</p> <p>Total funding amount - JPY 1,430,000</p>
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<h2>Volunteering</h2>	
2025-10 - present	<i>Program Committee Member, The ACM Web Conference 2026 (WWW2026)</i>
2025-09 - present	<i>Editor, IEICE Transactions on Information and Systems</i>
2025-01 - present	<i>Local Organizing Committee Member, The 24th International Semantic Web Conference (ISWC2025)</i>
2025-04 - 2025-10	<i>Full Research Paper Track Program Committee Member, The 34th ACM International Conference on Information and Knowledge Management (CIKM2025)</i>
2025-04 - 2025-11	<i>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)</i>
2024-12 - 2025-05	<i>Resource Track Program Committee Member, The 22nd Extended Semantic Web Conference (ESWC2025)</i>
2024-10 - 2025-05	<i>Program Committee Member, The 2025 ACM Web Conference (WWW2025)</i>
2024-07 - 2024-11	<i>Posters and Demos Track Program Committee Member, The 23rd International Semantic Web Conference (ISWC2024)</i>
2024-07 - 2024-10	<i>Program Committee Member, The 13th International Joint Conference on Knowledge Graphs (IJCKG2024)</i>
2024-04 - 2024-10	<i>Resource Paper Track Program Committee Member, The 33rd ACM International Conference on Information and Knowledge Management (CIKM2024)</i>
2024-04 - 2024-10	<i>Short Paper Track Program Committee Member, The 33rd ACM International Conference on Information and Knowledge Management (CIKM2024)</i>

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 (IKGRC2024)</i>
2023-08 - 2023-12	<i>Poster &amp; 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	<b>JSAI Incentive Award 2022, Japanese Society for Artificial Intelligence</b>
2022-12	<b>Grand Prize, Linked Open Data Challenge Japan 2022</b>
2022-12	<b>Best Dataset Award, Linked Open Data Challenge Japan 2022</b>
2022-11	<b>JSAI Annual Conference Award, Annual Conference of the Japanese Society for Artificial Intelligence (JSAl2022)</b>
2021-10	<b>Best Poster Award, The 20th International Semantic Web Conference (ISWC2021), Online</b>
2019-09	<b>Outstanding Poster Presentation Award, Joint Agent Workshop and Symposium (JAWS2019), Oita, Japan</b>
2019-06	<b>JSAI Incentive Award 2018, Japanese Society for Artificial Intelligence</b>
2018-03	<b>President's Award, The University of Electro-Communications</b>
2018-03	<b>IoT Award, Linked Open Data Challenge Japan 2017</b>
2017-09	<b>Outstanding Presentation Award, Japan Society for Software Science and Technology (JSSST2017), Kanagawa, Japan</b>
2017-03	<b>Entertainment LOD Award, Linked Open Data Challenge Japan 2016</b>
2016-03	<b>President's Award, The University of Electro-Communications</b>
2016-03	<b>Best Dataset Award in Dataset Category, Linked Open Data Challenge Japan 2015</b>
2014-03	<b>Best Bachelor Thesis Presentation Award, Department of Applied Informatics, Faculty of Science and Engineering, Hosei University</b>
2014-03	<b>Best Dataset Award, Linked Open Data Challenge Japan 2013</b>