

# Yuki SUGAWARA 菅原 裕輝

Associate Professor (Lecturer), Interdisciplinary Network in the Humanities,  
Graduate School of Humanities, The University of Osaka

Email: ysugawara.hmt@osaka-u.ac.jp · Web: yukisugawara.github.io · ORCID: 0000-0002-4975-540X · researchmap: yukisugawara

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## RESEARCH INTERESTS

Digital STS · Digital Philosophy of Science · Digital Anthropology

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## ACADEMIC APPOINTMENTS

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|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2025.04 – present | <b>Associate Professor (Lecturer)</b> , Interdisciplinary Network in the Humanities, Graduate School of Humanities, The University of Osaka          |
| 2022.04 – 2025.03 | <b>Specially Appointed Assistant Professor</b> , Interdisciplinary Network in the Humanities, Graduate School of Humanities, The University of Osaka |
| 2022.04 – 2024.03 | <b>Researcher (Part-time)</b> , Faculty of Science and Technology, Keio University                                                                   |
| 2021.07 – 2022.03 | <b>Researcher</b> , Faculty of Science and Technology, Keio University                                                                               |
| 2020.05 – 2021.12 | <b>Specially Appointed Researcher</b> , Graduate School of Human Sciences, Osaka University                                                          |
| 2017.04 – 2018.03 | <b>Specially Appointed Assistant Professor</b> , Center for the Study of Co* Design, Osaka University                                                |
| 2015.08 – 2017.03 | <b>Researcher (Part-time)</b> , Department of Medical Ethics, National Cerebral and Cardiovascular Center                                            |
| 2014.04 – 2015.07 | <b>JSPS Research Fellow (DC2)</b> , Japan Society for the Promotion of Science                                                                       |
| 2014.04 – 2014.07 | <b>Visiting Scientist</b> , Division of Brain Circuit, National Institute for Basic Biology                                                          |

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## EDUCATION

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|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 2022.03           | <b>Ph.D. in Human Sciences</b> , Osaka University                                                                                       |
| 2012.04 – 2015.03 | <b>Doctoral Program</b> , Dept. of Philosophy and History of Science, Graduate School of Letters, Kyoto University                      |
| 2012.03           | <b>M.S. in Information Science</b> , Dept. of Social Systems and Informatics, Graduate School of Information Science, Nagoya University |
| 2010.03           | <b>B.A.</b> , Course in Human Sciences, Faculty of Humanities and Social Sciences, Iwate University                                     |
| 2008.03           | <b>Associate Degree in Engineering</b> , Dept. of Environmental and Civil Engineering, Akita National College of Technology             |

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## PUBLICATIONS

### Peer-Reviewed Papers

- 2027 (forthcoming)** — Kazuho Kambara, Yuki Sugawara. A Preliminary Sketch of Theoretical Foundations of Corpus Studies: Epistemology of Cognitive Corpus Linguistics. *Journal of the Japan Association of Philosophy of Science* 55(1–2). [in Japanese]
- 2026 (forthcoming)** — Yuki Sugawara. Distributional Concept Analysis of “Explain”: From Distant Reading to Cosmic Reading. *English Corpus Studies* 33.

- 2025** — Kazuho Kambara, Yuki Sugawara, Norihisa Takahashi. How ‘empirical’ is corpus linguistics?: A meta-analysis using formal concept analysis. *Proceedings of the 39th Pacific Asia Conference on Language, Information and Computation*, pp. 635–645.
- 2025** — Yuki Sugawara. The Multiplicity of Digital Space: A Digital Anthropology of Disaster-Area Migration. *Japanese Journal of Cultural Anthropology* 89(4). [in Japanese]
- 2025** — Yuki Sugawara, Maho Yamazaki. Adjusting Expectations in Tsunami-Affected Areas: Recovery Vision and Migrants’ Vision in Minamisanriku. *Journal of Japan Society for Disaster Resilience* 25, pp. 36–47. [in Japanese]
- 2024** — Yuki Sugawara, Kazuho Kambara. Revisiting Semantic Prosody of Cause: A Sentiment Analysis. *Journal of Corpus-based Lexicology Studies* 6, pp. 71–92.
- 2023** — Yuki Sugawara, Kazuho Kambara. The Many Uses of Explain: Quantitative Corpus Method and Philosophy of Science. *Annals of the Japan Association for Philosophy of Science* 32(2), pp. 23–46.
- 2023** — Yuki Sugawara. Philosophy with and for Data Science: Setting the Scene. *Annals of the Japan Association for Philosophy of Science* 32(2), pp. 17–22.
- 2023** — Yuki Sugawara. Hyperlink Ethnography Regarding Reconstruction in Minamisanriku. *Text Mining and Digital Humanities* 2022, pp. 5–18. [in Japanese]
- 2017** — Yuki Sugawara, Kenji Matsui. Who Should Be an Author?: A Proposal for Autonomous Authorship Considering Field-Specific Characteristics of “Originality”. *Science, Technology and Society Studies* 14, pp. 77–89. [in Japanese]
- 2015** — Yuki Sugawara, Hisashi Nakao. What is New with the New Mechanistic Philosophy? Comments on *In Search of Mechanisms: Discoveries across the Life Sciences*. *Taiwanese Journal for Science, Technology and Medicine* 21, pp. 233–240.
- 2014** — Yuki Sugawara. Causal Mechanisms in Neurosciences. *Korean Journal for the Philosophy of Science* 17(3), pp. 53–68.
- 2013** — Yuki Sugawara, Hisashi Nakao. Mechanistic stance: An epistemic norm among scientists. *Proceedings of CAPE International Workshops, 2012*, pp. 50–59.

## Books & Translations

- 2024** — Contributing author: *Introduction to Science, Technology and Society* (eds. Takuma Shineha, Koichi Mikami). Nakanishiya Shuppan. ISBN 978-4-7795-1779-2. [in Japanese]
- 2015** — Co-translator: Rachel Cooper, *Psychiatry and Philosophy of Science* (Japanese edition). Nagoya University Press. ISBN 978-4-8158-0807-4.
- 2013** — Co-translator: Kim Sterelny, *The Evolved Apprentice* (Japanese edition). Keiso Shobo. ISBN 978-4-326-19964-9.

## GRANTS & RESEARCH PROJECTS

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### As Principal Investigator

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|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2026.05 – 2029.04 | Reconstructing the Digital Public Sphere through Generative AI and Anthropology. Toyota Foundation: New Human Society Co-created with Advanced Technology            |
| 2025.08 – 2028.03 | Global Development of “Digital Japanese Studies” Education through Digital Anthropology. Osaka University Global Japanese Studies Education and Research Hub Project |
| 2025.08 – 2026.03 | Panoramic Analysis of Knowledge Structures and Sociotechnical Phenomena Using Machine Learning. Osaka University D3 Center Interdisciplinary Co-Creation Project     |
| 2025.04 – 2026.09 | Analysis of Sociotechnical Phenomena Using Deep Learning. Kayamori Foundation of Informational Science Advancement, Research Grant 2024                              |

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| 2024.08 – 2025.03 | Panoramic Analysis of Interdisciplinary Fields Using Machine Learning. Osaka University IDS Interdisciplinary Co-Creation Project                                                                             |
| 2024.04 – 2026.03 | Analysis of Glocal Visions for Sustainable Community Development in Tsunami-Affected Areas. Kajima Foundation, General Research Grant 2024                                                                    |
| 2024.04 – 2025.03 | Research on Trends in Bio-ventures in the Field of Genome Synthesis. Watanabe Memorial Foundation for the Advancement of Technology, Research Grant                                                           |
| 2024.03 – 2026.02 | Building a Model of Inclusive Local Communities Based on Documentation and Analysis of Narratives from Migrants in Tsunami-Affected Municipalities. Uehiro Foundation on Ethics and Education, Research Grant |
| 2023.02 – 2024.01 | Panoramic Analysis of Academic Fields Using Machine Learning. Chubu Science and Technology Center, AI Research Grant                                                                                          |
| 2014.04 – 2016.03 | Foundations of the Philosophy of Neuroscience. JSPS Research Fellowship for Young Scientists (DC2)                                                                                                            |
| 2013.04 – 2014.03 | Foundations of the Philosophy of Neuroscience. Suntory Foundation, Challenge Research Grant                                                                                                                   |

#### As Co-Investigator (selected)

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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2025.09 – 2026.03 | Demonstration Research Project on Generative AI Specialized in Education for Solving Educational Challenges. MEXT (FY2024 Supplementary Budget) / Commissioned by Fujitsu Japan Ltd.            |
| 2025.06 – 2026.03 | Joint Research on Generative AI-Based Educational Support Systems for Multicultural and Multilingual Children. Fujitsu Japan Ltd. Joint Research / Osaka University                             |
| 2025.04 – 2030.03 | Empirical Research on Multilingual Assessment of Culturally and Linguistically Diverse Children. JSPS Grant-in-Aid for Scientific Research (B)                                                  |
| 2021.04 – 2024.07 | Future Organisms: Synthetic Genomics and Responsible Innovation in the UK, the USA and Japan. UKRI / ESRC — International Research Grant                                                        |
| 2020.04 – 2023.03 | Public Anthropological Research on the Recovery Process of the Great East Japan Earthquake: Building a Resilient Social Model. JSPS Grant-in-Aid for Scientific Research (B)                    |
| 2016.04 – 2019.03 | Theoretical and Practical Research on Gender Equality and Early-Career Researcher Development in Philosophy. JSPS Grant-in-Aid for Scientific Research (B)                                      |
| 2015.04 – 2019.03 | Research on Developing Shared and Common Infrastructure for Improving Quality, Strengthening Functions, and Promoting Support of Research Ethics. JSPS Grant-in-Aid for Scientific Research (A) |

## TEACHING

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|----------------|---------------------------------------------------------------------------------------------------------------------|
| 2025 – present | Introductory Seminar in Digital Humanities (Undergraduate, School of Letters, Osaka University)                     |
| 2025 – present | Digital Tools for Students of Foreign Languages (Undergraduate, School of Foreign Studies, Osaka University)        |
| 2025 – present | Humanities and Digital Technologies (Graduate, Graduate School of Humanities, Osaka University)                     |
| 2022 – present | Foundations of the Humanities (Humanities and Dialogue) (Graduate, Graduate School of Humanities, Osaka University) |
| 2021 – present | Corpus Studies Practicum (Undergraduate, Faculty of Liberal Arts, Doshisha Women's College of Liberal Arts)         |

## DIGITAL WORKS

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TextScope — browser-based quantitative text analysis & visualization tool (11 analysis methods, EN/JA)

Shizugawa Nostalgia Map (Digital Edition) — participatory digital archive of pre-2011 Shizugawa, Minami-Sanriku

MinimalQDA — lightweight browser-based qualitative data analysis tool

type/tape — Whisper-AI audio transcription tool with built-in editor

U-Osaka Transit — route finder for Osaka University's three campuses