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YUYA SHIBUYA

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EDUCATION

Ph.D. The University of Tokyo, Japan Graduate School of Interdisciplinary Information Studies (Graduated as a representative of the school) Ph.D. Thesis Title: <i>“Using Social Media Communication Data for Recovery: A Study Exploring the Possibility of Detecting Socio-Economic Activities Following a Disaster”</i>	March 2019
Completed the Graduate Program for Social ICT Global Creative Leaders	March 2019
M.A The University of Tokyo, Japan Graduate School of Interdisciplinary Information Studies Socio-information and Communication Studies	March 2016
B.A. in Philosophy Keio University, Tokyo, Japan	2006-2010

ACADEMIC POSITION

The University of Tokyo The Interfaculty Initiative in Information Studies <i>Associate Professor (with tenure)</i>	April 2024 -
The University of Tokyo Center for Spatial Information Science <i>Associate Professor</i>	January 2022 - March 2024
The Weizenbaum Institute, Berlin, Germany <i>Research Fellow</i>	2023 October - 2024 February

The University of Tokyo
The Interfaculty Initiative in Information Studies
Project Research Associate

Apr 2019 - Dec 2021

Musashi University, Tokyo, Japan
Part-time Lecturer

September 2020 - March 2022

The Weizenbaum Institute, Berlin, Germany
Digital Research Fellow

2020

OTHER EMPLOYMENT

Corpy&CO., Inc., Tokyo, Japan
Research Manager

2020 - 2022

The Open Governance Network, Tokyo, Japan
Research Director

2019 - 2022

Hitachi Transport System, Ltd., Tokyo, Japan
Data Analyst Intern

August 2018 - September 2018

Higashi Nippon Broadcasting Co, Ltd., Sendai, Japan
Journalist

2010 - 2014

Mainly covered crime and legal stories, as well as the Great East Japan Earthquake and Tsunami of 2011

FELLOWSHIP / GRANTS

The Weizenbaum Institute, Research Fellow

2023-2024

JSPS KAKENHI Grant Number JP21K13278 (Grant-in-Aid for Early-Career Scientists)

2021-2023

The Weizenbaum Institute, Research Fellow

2020

The Telecommunications Advancement Foundation

2019-2020

The Graduate Program for Social ICT Global Creative Leaders

2016-2019

Leave a Nest Grant

2017

AWARDS

Specially Selected Paper of IPSJ Journal

2023

NetMob 2023 Best Challenge Contribution Runner-up

2023

IPSJ Yamashita SIG Research Award

2023

2022 Best Paper Award, Computer Security Symposium in Kumamoto, Japan

2022

The Budding Scholar Award [Shinshin-kenkyu-syo], The Society of Socio-Informatics, Japan

2019

The PhD Thesis Award, the Society of Socio-Informatics, Japan

2019

The Academic Award of the Japan Economic Policy Association (Junior award)

2019

Best Student Paper Nomination at ISCRAM 2019	2019
Graduated PhD as a representative of the Graduate School (GSII), the University of Tokyo	2019
NTT DATA Twitter Innovation Contest 2019, Excellence Award	2019
Selected as a CEO Leader which devote to train data scientists	2018
LNext Grant, Proto Award	2017
Distinguished Paper Award at 2016 e-Case & e-Tech	2016

SKILLS

Python, Java, R, Stata, L^AT_EX, etc.

Languages

English (fluent) and Japanese (native)

TEACHING EXPERIENCE

<i>Instructor</i> , GSII, The University of Tokyo, Introduction to Quantitative Data Analysis	2023
<i>Instructor</i> , Musashi University, Tokyo, Japan Course: Introduction to Digital Media Research Methods	2021
<i>Instructor</i> , Musashi University, Tokyo, Japan Course: Critical Thinking	2020
<i>Instructor</i> , GSII, The University of Tokyo, Study Group: Introduction to Data Analysis with Python	2019
<i>Teaching Assistant</i> , GSII, The University of Tokyo, Course: Econometrics with R and Python	2017-2019

PUBLICATION

Book

1. **Shibuya, Yuya**, (2020). *Social Media Communication Data for Recovery: Detecting Socio-Economic Activities Following a Disaster*. Springer, DOI:10.1007/978-981-15-0825-7.

Journal

1. Sun, Chenchen, **Shibuya, Yuya**, & Sekimoto, Yoshihide (2024) Social Segregation Levels Vary Depending on Activity Space Types: Comparison of Segregation in Residential, Workplace, Routine and Non-routine Activities in Tokyo Metropolitan Area. *Cities*.
2. Garcia, Santiago, **Shibuya, Yuya**, Sekimoto, Yoshihide (2024). Enhancing geospatial retail analysis by integrating mobility behavior. *Computers, Environments and Urban Systems Journal*.
3. Raetzsch, Christoph, Hamm, Andrea, & **Shibuya, Yuya**. (2023) Infrastructuring for Civic Technologies: A Research Agenda on Co-Creation Methods, Data Interfaces and Engagement for Impact. *Frontiers in Environmental Science*.

4. **Shibuya, Yuya**, Hamm, Andrea, & Cerratto Pargman, Teresa (2022). Mapping HCI Research Methods for Studying Social Media Interaction: A Systematic Literature Review. *Computers in Human Behavior*.
5. **Shibuya, Yuya** & Tanaka, Hideyuki, (2019). Using Social Media to Detect Socio-Economic Disaster Recovery. *IEEE Intelligent Systems*, May/June 2019, 34(3), 29-37.
6. **Shibuya, Yuya**. & Tanaka, Hideyuki. (2019). How Does a Large-scale Disaster Impact on the Used-car Market? A case study of the Great East Japan Earthquake and Tsunami. *The International Journal of Economic Policy Studies*, 13(1), 89-117. <https://doi.org/10.1007/s42495-018-0003-6>, (The academic award of the Japan Economic Policy Association [Junior award])
7. **Shibuya, Yuya** and Hideyuki Tanaka (2018), A Statistical Analysis Between Consumer Behavior and a Social Network Service: A Case Study of Used-Car Demand Following the Great East Japan Earthquake and Tsunami of 2011, *the Review of Socionetwork Strategies*, 12(2):205-236, <https://doi.org/10.1007/s12626-018-0025-6>
8. **Shibuya, Yuya**. (2017). Impact of ICT tools on Disaster Logistics Issues. *International Journal of Business and Information*, 12(3): 311-342.
9. **Shibuya, Yuya**. (2017). A Typology for ICT-facilitated Citizen Coproduction: Pre- and Post-Disaster. *International Journal of Cyber Society and Education*, 10(2): 65-86

Conference Paper

1. **Shibuya, Yuya**, Garcia, Santiago, Chenchen, Sun, Peiran, Yu, Jue, Ma, & Sekimoto, Yoshihide. (2023) Unmasking Socioeconomic Disparities: A Study of Urban Segregation through the Lens of Mobile App Usage Patterns In *The NetMob 2023 Book of Abstracts* (Netmob 2023 Best Challenge Contribution Runner-up)
2. Tan, Kai-Yi, Lai, Chun-Ming, Foo, Yin-Jie & **Shibuya, Yuya** (2023). Russo-Ukrainian War on Facebook: A Temporal and Spatial Study Based on BERTopic modeling. In *Proceedings of 2023 International Conference on Security and Information Technologies with AI, Internet Computing and Big-data Applications*.
3. Hamm, Andrea, **Shibuya, Yuya**, Teresa Cerratto Pargman, Roy Bendor, Masahiko Shoji, Nicolai Brodersen Hansen, Christoph Raetzsch, et al. (2023). Failed yet Successful: Learning from Discontinued Civic Tech Initiatives. In *Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (CHI EA '23), May 08–13*. (h5-index: 113, Rank A*)
4. Nakazato, Tomoka, **Shibuya, Yuya**, Takagi, Soichiro (2023) Characterizing the Behavior of Healthcare Experts towards COVID-19 Vaccine on Twitter. In *Proceedings of the 8th International Workshop on Application of Big Data for Computational Social Science at WI-IAT 2023*.
5. Gagnon, Etienne, McElwain, Kenneth, & **Shibuya, Yuya** (2023) Good News or Bad News? Political Social Media Messaging During the Tokyo Olympics. In *Japanese Politics Online Seminar Series*.
6. Hamm, Andrea, **Shibuya, Yuya**, Rehak, Rainer & Ullrich, André (2022) Insights on sustainability-oriented change in mobility stimulated by civic IoT applications. In *EJEA International Conference (2022)*
7. Avishai, Green†, **Shibuya, Yuya**, Trillo, Tommaso, Mizoroki, Saki, Scharlach, Rebecca, Hallinan, Blake, Park, Tim, Levi, Effi, Segev, Elad, Shenhav, Shaul and Shifman, Limor (2022) How to Do Things with “Values”: A Cross-Linguistic Analysis of the Meanings and Functions of a Core Concept on Twitter. In *the 2022 Internet Research Conference (AoIR2022)*

8. Raetzsch, Christoph, Henriques, Diogo, Hamm, Andrea & *Shibuya, Yuya* (2022) Journalism and the Democratic Interface: From Data Dashboards to Participatory Infrastructures. In *9th European Communication Conference (ECREA 2022)*.
9. Takagi, Soichiro, & **Shibuya, Yuya** (2021). The Value of Agglomeration: How information technologies affect the incentives to live in the city. In *Proceedings of the 20th International Conference of the Japan Economic Policy Association*, November 6-7, Tokyo, Japan.
10. **Shibuya, Yuya**, Hamm, Andrea, Raetzsch, Christoph. (2021). From Data to Discourse: How Communicating Civic Data Can Provide a Participatory Structure for Sustainable Cities and Communities. In *Proceedings of the International Sustainable Development Research Society (ISDRS)*, July 13-15, 2021, Sweden.
11. Hamm, Andrea, **Shibuya, Yuya**, Ullrich, Stefan & Cerratto Pargman, Teresa. (2021). What Makes Civic Tech Initiatives To Last Over Time? Dissecting Two Global Cases. In *Proceedings of the 39th Annual ACM Conference on Human Factors in Computing Systems (CHI '21)*, May 08–13, 2021, Yokohama, Japan. ACM, New York, NY, USA
12. Liu, Zhaoyuan, **Shibuya, Yuya** & Takagi, Soichiro (2020), Factors affecting inbound tourists to Japan: a panel data analysis. In *Proceedings of the 19th International Conference of the Japan Economic Policy Association*, Nov 19th-20th, Hiroshima, Japan.
13. Takagi, Soichiro & **Shibuya, Yuya**. (2019), Macroeconomic Modeling of the Recovery from Natural Disaster. In *Proceedings of the Japan Association for Social and Economic Systems Studies*, Oct 26-27nd 2019. Nagoya, Japan.
14. **Shibuya, Yuya** & Tanaka, Hideyuki. (2019), Socio-Economic Disaster Recovery Captured by Big Housing Market Data. In *Proceedings of IEEE Global Humanitarian Technology Conference (GHTC) 2019*, Oct 18-21nd 2019. Seattle, WA. (Referred)
15. **Shibuya, Yuya** & Tanaka, Hideyuki. (2019), Detecting Disaster Recovery Activities via Social Media Communication Topics. In *Proceedings of the 16th International Conference on Information Systems for Crisis Response and Management (ISCRAM 2019)*, 706-718, May 19-22nd 2019. Valencia, Spain. (Referred, **Best Student Paper Nomination**)
16. **Shibuya, Yuya** & Tanaka, Hideyuki. (2018), How Does Public Sentiment on Social Media Reflect Socio-Economic Disaster Recovery? *Poster session presented at the 5th International Conference on Information Communication Technologies for Disaster Management*, Dec 4-7th 2018. Sendai, Miyagi, Tohoku University, Japan.
17. **Shibuya, Yuya** & Tanaka, Hideyuki. (2018), Topics of Social Media Communication and Socio-Economic Recovery. *Poster session presented at ISCRAM ASIA PACIFIC 2018*, Nov 5-7th 2018. Wellington, New Zealand.
18. **Shibuya, Yuya** & Tanaka, Hideyuki (2018), Does Sentiment of Social Media Sense Mid-to Long-Term Socio-Economic Disaster Recovery? A Case Study of Hurricane Sandy Focusing on Housing Demand. In *Proceedings of the 17th International Conference of the Japanese Economic Policy Association (Oct. 2018)*. Fujisawa: Kanagawa, Keio University, Japan.
19. **Shibuya, Yuya** and Tanaka, Hideyuki. (2018). Public Sentiment and Demand for Used Cars after A Large-Scale Disaster: Social Media Sentiment Analysis with Facebook Pages. In *Proceedings of the 5th International Workshop on Social Web for Disaster Management (SWDM'18)*, February 9th, Los Angeles, CA. (Refereed)

20. **Shibuya, Yuya.** (2017). Mining Social Media for Disaster Management: Leveraging Social Media Data for Community Recovery, *In Proceedings of IEEE Big Data workshop on the 2nd International workshop on application of big data for computational social science*, Boston, MA. 3029-3036. (Refereed)
21. **Shibuya, Yuya** and Tanaka, Hideyuki (2017), A Demand Side Analysis of the Car Market after the Great East Japan Earthquake and Tsunami of 2011: A content analysis of Facebook Pages, *In Proceedings of the 16th International Conference of the Japanese Economic Policy Association*, (Nov. 2017), Okinawa, Japan.
22. **Shibuya, Yuya.** (2016). Impacts of ICT tools in humanitarian logistics: A case study of the Great Earthquake and Tsunami of 2011. *In Proceedings of e-Case & e-Tech 2016-Fall*, October 7-9, Taipei, in CD Proceeding. (Refereed, **Distinguished Paper Award**)
23. **Shibuya, Yuya.** (2016), A Typology for ICT-facilitated Citizen Coproduction: Pre- and Post-Disaster, *in Proceedings of NETs2016 (International Conference on Internet Studies)*, July 22-24, 2016, Osaka. (Refereed)

REFEREES

Available on Request.