

## CURRICULUM VITAE

### TSUYOSHI (YOSHI) KANO

Website: <https://tsuyoshi-kano.com>  
Language: English (proficient), Japanese (native)  
LinkedIn: <https://www.linkedin.com/in/tsuyoshi-yoshi-kano-55540272/>

#### EDUCATION

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- 2015-2021 Ph.D. in Information Science, School of Information, University of Michigan  
Research field: Information and Communication Technology (ICT) for international development  
Research topics: Innovation, digital skill development, ICT industry development  
Advisor: Prof. Kentaro Toyama & Prof. Joyojeet Pal
- 2002-2004 M.Sc. in Information Science, Yokohama National University  
Research topic: Natural language processing  
Thesis title: Pattern driven extraction of motion relationship and application for meaning analysis from a corpus of news articles
- 1998-2002 B. Eng. in Computer Science, Yokohama National University  
Thesis title: Composition of amorphous fluorocarbon polymer films using plasma CVD

#### WORK EXPERIENCE (Full time)

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- 2022-present *Associate Professor*, Kanazawa Institute of Technology, Japan  
Department of Management Systems in College of Information and Human Communication
- 2019-present *Co-Founder and CEO*, ICT for Development (NPO), Japan  
Running a blog (100,000 PV/year), online community (70 paid members), newsletter (330 subscribers), and Podcast on ICT and international development. [\[link\]](#)
- 2017-2019 *ICT Specialist*, Office of IT System, Japan International Cooperation Agency (JICA), Japan  
Designed and managed digital transformation and system development projects for efficient budget, project, and procurement management in JICA.  
Worked as the ICT task force member to utilize technology for JICA's projects.
- 2012-2015 *ICT and Urban Development Sector Specialist*, JICA, Bangladesh  
Led ICT sector projects  
Loan: Telecom backbone network improvement (\$104 million)  
Technical assistance: National ICT certificate, ICT fare collection system  
Led urban development sector projects  
Loan: Urban water supply (\$440 million)  
Technical assistance: Water fare collection, Solid waste management  
Coordinated multi-stakeholders (governments, private companies, donors).

## CURRICULUM VITAE

- 2008-2012 *ICT Sector and Africa Specialist*, JICA, Japan  
Led technical cooperation projects on ICT human resource development in Vietnam, Bangladesh, and the Philippines.  
Led grant telecommunication projects in Afghanistan and Pakistan.  
Planned and managed JICA volunteer programs in southern Africa.
- 2004-2008 *Systems Architect*, Nomura Research Institute, Japan  
Designed and developed an online stock trading system as a system architect, and operated the system as an administrator.

### WORK EXPERIENCE (Part time)

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- 2023-present *Adjunct Researcher*, Waseda University, Japan  
Research on e-Health in remote islands areas in India.
- 2020-present *Visiting Professor*, Kobe Institute of Computing, Japan  
Lecturing on an irregular-base.
- 2018-2023 *Visiting Professor*, University of Miyazaki, Japan  
Researching ICT human resource development project in Bangladesh.
- 2021-2022 *Consultant (EdTech)*, the World Bank  
Research to identify the various approaches and platforms used by governments in South Asia to reach children for teaching and learning during COVID-19 pandemic.
- 2022 *Consultant (ICT Sector Specialist)*, Asian Development Bank  
Researched on the relationship between the need from online job-posting and the supply from universities in the ICT-related field.
- 2021-2022 *Consultant (Rwanda Innovation Model)*, JICA  
Research to identify the lesson learns of ICT innovation ecosystem development from 2000 in Rwanda
- 2020-2021 *Research Assistant*, University of Michigan, USA  
Conducting research on entrepreneurship and ICT human resource management in Bangladesh and Rwanda.
- 2020 Fall *Adjunct Lecturer*: Sophia University, Japan  
Introduction of technology and poverty reduction for undergraduate students
- 2019-2020 *Teaching Assistant*, University of Michigan, USA  
& 2015-2017 Teaching Python/Data Science courses for master/undergraduate students.
- 2017 (3 months) *Visiting Researcher*, ICT Chamber, Rwanda  
Researched strategy formulation, project formulation, monitoring, and evaluation of innovation and ICT industry development projects in the ICT sector.

## RESEARCH AREA

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**ICT for Development:** technological impact for society in emerging countries

**Digital Skill Development:** human resource management; brain circulation; self-efficacy; offshoring

**Sustainable Development:** official development assistance; monitoring & evaluation

**Science & Technology Policy:** innovation ecosystem; edu-tech; information system

Field Works in Bangladesh, Rwanda, Vietnam, Philippines, and Japan

Business/Project Experiences in 7 countries in Africa, 8 in Asia-Pacific, and 2 in Europe

## PUBLICATIONS

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### Journal Articles and Proceedings (Peer-reviewed)

- 2024 Kano, T., Ishikawa, K. (2024). Lessons Learned from EdTech Integration During the COVID-19 Pandemic. In: Chigona, W., Kabanda, S., Seymour, L.F. (eds) Implications of Information and Digital Technologies for Development. ICT4D 2024. IFIP Advances in Information and Communication Technology, vol 708. Springer, Cham. [https://doi.org/10.1007/978-3-031-66982-8\\_16](https://doi.org/10.1007/978-3-031-66982-8_16) [\[link\]](#)
- 2024 島谷祐司, 西田義人, 狩野剛, 高橋元貴, 藤井健史, & 堂本光子. (2024). プロジェクトデザイン教育における複雑構造の問題に対応した『なぜなぜ分析』の作成様式の導入. 工学教育, 72(5), 5\_70-5\_74. [\[link\]](#)
- 2022 Jony, S. S. R., Kano, T., Hayashi, R., Matsuda, N., & Rahman, M. S. (2022). An Exploratory Study of Online Job Portal Data of the ICT Sector in Bangladesh: Analysis, Recommendations and Preliminary Implications for ICT Curriculum Reform. Education Sciences, 12(7), 423. [\[link\]](#)
- 2022 Oishi, A., Teshima, T., Akao, T., Kano, T., et al. (2022). Forecasting Internally Displaced People's Movements with Artificial Intelligence. In Digital Innovations, Business and Society in Africa (pp. 311-339). Springer. [\[link\]](#)
- 2022 Kano, T., Kambe, H. 国際開発のDX化に向けた 官民パートナーシップのボトルネック, Beyond SDGs イノベーション研究, 2022, 3 巻, 3 号, p. 1-13 [\[link\]](#)
- 2021 Kano, T., Sheikh, A. M., & Toyama, K. (2021). IT Career Aspirations in Bangladesh: A Trigger for Development? *Information Technology for Development*. [\[link\]](#)
- 2020 Kano, T., Toyama, K. (2020). Bottlenecks of ICT Innovation in Rwanda. *Proceedings of the Eleventh International Conference on Information and Communications Technologies and Development, Paper – ICTD 2020* – [\[link\]](#)
- 2019 Kano, T., Sheikh, A. M., Toyama, K. (2019). Bimodal IT Career Aspirations in Bangladesh. *Proceedings of the Tenth International Conference on Information and Communications Technologies and Development Notes – ICTD 2019* – [\[link\]](#)

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- 2016 Kano, T., Toyama, K. (2016). Geographic Diversification of ICTD Research. *Proceedings of the Eighth International Conference on Information and Communications Technologies and Development Notes – ICTD 2016* – [\[link\]](#)
- 2016 Marathe, M., Chandra, P., Kameswaran, V., Kano, T., Ahmed, S. I. (2016). In search of missing pieces: A re-examination of trends in ICTD research. *Proceedings of the Eighth International Conference on Information and Communications Technologies and Development Notes –ICTD 2016* – [\[link\]](#)
- 2013 Kano, T. (2013). Impact of the introduction of IC card transport fare collection system and anti-corruption. *Proceedings of the Sixth International Conference on Information and Communications Technologies and Development Notes – ICTD 2013* – [\[link\]](#)

### Working Papers / Reports

- 2025 Kano, T., Lee, C., Takeuchi, K.(2025). COVID-19 の影響下における教育と ICT: ブータンとネパールの対応から.「人間中心のデジタル化」研究会ケーススタディ p25-33. JICA 緒方研究所. [\[link\]](#)
- 2024 JETRO. (2024). バングラデシュのデジタル人材調査報告. JETRO. [\[link\]](#)
- 2023 Asaduzzaman, T. M., Geven, K. M., Oza, S. K., Kano, T. Y., Shams, F., Roy, S., ... & Zubairi, A. (2023). Leveraging ICT for the Learning Recovery and Acceleration in Bangladesh. *The World Bank*. [\[link\]](#)

### Proceedings

- 2025 Moin, S., Kano, T., et al. (2025). HCI Across Borders: Building a Collective Vision for the Future. *CHI EA '25 Proceedings of the Extended Abstracts of the CHI Conference on Human Factors in Computing Systems*. [\[link\]](#)
- 2022 Ishikawa, K., Kano, T. (2022). 日本の GIGA スクール構想は One Laptop per Child と同じ道を歩むのか?. *The 33rd JASID Annual Conference*.
- 2020 Kano, T., Kambe, H. (2020). Invisible barriers between international development specialists and ICT specialists: Derivation of approaches to promote DX and collaborative creation in international development. *The 31st JASID Annual Conference*.
- 2020 Oishi, A et al. (2020). Forecasting Internally Displaced People's Movements with Artificial Intelligence. *The 31st JASID Annual Conference*.
- 2019 Kano, T. (2019). Can MOOCs Replicate the Intangible Gains of International Exposure? A Case Study in Rwanda . *The 20th JASID Spring Conference*.
- 2018 Kano, T., Obeysekare, E., Toyama, K. (2018). Can HCI Replicate the Intangible Gains of International Exposure? A Case Study in Rwanda. *HCI Across Borders: Paving New Pathways (Symposium@CHI 2018)* [\[link\]](#)

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- 2018 Kano, T., Kawano, H. (2018). How Do Overseas Experiences Contribute to the Internal Growth of IT Engineers from Developing Countries? Case Studies in Bangladesh and Rwanda. *The 29th JASID Annual Conference*.

### Book and magazine

- 2023 Kano, T. (2023). Regional Revitalization in Japan Brought About by Bangladeshi IT Professionals (Manga Version) [\[link\]](#)
- 2022 Kano, T. (2022). 「バングラデシュIT人材がもたらす日本の地方創生～協力隊が火をつけた新しい国際協力の形～」のマンガ版 [\[link\]](#)
- 2022 「デジタル技術と国際開発～ICT for Development (ICT4D)～」(日本経済評論社) (チャプター翻訳) [\[link\]](#)
- 2021 Kano, T. (2021). 「バングラデシュIT人材がもたらす日本の地方創生～協力隊が火をつけた新しい国際協力の形～」(JICA研究所プロジェクト・ヒストリー) (単著書籍) [\[link\]](#)
- 2020 Kano, T. (2020). 「特集『協創』の時代へ:DX」(国際開発ジャーナル 2020年9月1日号) [\[link\]](#)
- 2019 Kano, T. (2019). 「IT立国を目指すデジタル教育」(教育新聞2019年1月24日号) [\[link\]](#)
- 2018 Kano, T. (2018). 「携帯電話の普及率7割に 電子決済など成長企業続々」(週刊エコノミスト 2018年6月26日号) [\[link\]](#)

### TEACHING EXPERIENCE

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|---------------------------|--|
| 2020 Fall                 | Adjunct Lecturer: Sophia University<br>Introduction of technology and poverty reduction for undergraduate students         |
| 2020 July                 | Guest Lecturer: Waseda University<br>Technology, education, and poverty reduction for undergraduate students               |
| 2020 Summer<br>(4 months) | Teaching Assistant: University of Michigan<br>Database (SIADS 611) and data science ethics (SIADS 503) for master students |
| 2020 Winter<br>(4 months) | Teaching Assistant: University of Michigan<br>Intermediate Python programming (SI 507) for master students                 |
| 2019 Fall<br>(4 months)   | Teaching Assistant: University of Michigan<br>Intermediate Python programming (SI 206) for undergraduate students          |
| 2019 July                 | Guest Lecturer: Yokohama National University<br>“Does a laptop change Education for Children?” for undergraduate students  |

## CURRICULUM VITAE

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| 2016-2017<br>(8 months) | Teaching Assistant: University of Michigan<br>Introduction of Python programming (SI 106) for undergraduate students |
| 2013-2017               | Guest Lecturer: Kobe Institute of Computing<br>ICT for Development related topics for master students                |

### INVITED LECTURE/SEMINAR

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|--------------|---|
| 2021 Mar     | Try No-code for Social Change<br>Presented at an online workshop organized by Tiger Mov, Inc.                 |
| 2020 Dec     | Technology for Social Change<br>Lectured at Ikubunkan Global High School.                                     |
| 2020 June    | Online and future education after COVID<br>Presented at an online seminar organized by Tiger Mov, Inc.        |
| 2020 April   | Can technology alleviate poverty?<br>Lectured at Clark Memorial International High School.                    |
| 2019 July    | Blockchain for International Development<br>Presented at Factory Phnom Penn, Cambodia.                        |
| 2019 July    | Does a laptop change Education for Children?<br>Lectured at Graduate School of Management, Globis University. |
| 2018 October | Blockchain for SDGs<br>Presented at a seminar “Blockchain x Open Innovation” organized by Microsoft.          |

### CONFERENCE COMMITTEE/REVIEWER

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| 2022 | Beyond SDGs Innovation Society, Chair of 1st annual conference                   |
| 2021 | The Japan Society for International Development, 11th public relations committee |
| 2019 | ICTD X (Ahmedabad, India), Program committee and reviewer                        |
| 2019 | The International Society of Volunteer Studies in Japan, Commentator             |

### AWARD

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| 2020 | World Bank Graduate Scholarship Program (JJ/WBGSP)<br>Two years of scholarship for Ph.D. study/research |
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| 2020 | Rackham Graduate Student Research Grant<br>USD 6,000 research grant for the field experiment on the mindset change in Bangladesh |
| 2015 | Japan International Cooperation Agency (JICA)<br>Two years of scholarship for Ph.D. study/research                               |

## SKILL

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Programming Python / SQL / Perl / R / STATA / Wordpress / HTML

## MEMBERSHIP

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- The Japan Society for International Development (国際開発学会): Board member
- The Beyond SDGs Innovation Society (Beyond SDGsイノベーション学会): Board member