

# Kyosuke Tanaka

## CONTACT INFORMATION

Fuglesangs Allé 4  
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8210 Aarhus V, Denmark

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X: [@ktanaka086](#)

## APPOINTMENT

**Postdoctoral Fellow**  
Aarhus University, Denmark

2021-Present

## EDUCATION

**Ph.D.** in Media, Technology, and Society  
Northwestern University, USA

2015-2021

**M.S.R.** (Advanced)  
**GradCert** in Social Research  
Australian National University, Australia

2013-2015

**Cert** in International Business Professions  
Bellevue College, USA

2010-2011

**B.A.** in Business and Commerce  
Keio University, Japan

2006-2010

## PUBLICATIONS

### *Peer-reviewed Articles*

5. **Tanaka, K.**, & Vega Yon, G. G. (2024). [Imaginary network motifs: Structural patterns of false positives and negatives in social networks](#). *Social Networks*, 78, 65-80.
4. **Tanaka, K.**, DeChurch, L. A., & Contractor, N. S. (2020). [The impact of network acuity on information sharing under communication delays in space multiteam systems](#). *Proceedings of the International Astronautical Congress*.
3. **Tanaka, K.**, & Horvát, E-Á. (2019). [\(Un\)intended consequences of networking in individual and network-level efficiency](#). *Applied Network Science*, 4(77).
2. **Tanaka, K.**, & Horvát, E-Á. (2018). [Networking strategies and efficiency in human communication networks](#). *Proceedings of 7th International Conference on Complex Networks and their Applications, COMPLEX NETWORKS 2018*, 258-270.

### *Report*

1. Ackland, R., & **Tanaka, K.** (2015). [Development impact of social media](#). *WDR 2016 Background Paper*.

### *Work in Progress*

5. **Tanaka, K.**, Zhang, K., Foote, J., Lee, S., & French, D. (*In preparation*). Bullying network perceptions.
4. **Tanaka, K.**, Håkonsson, D. D., & Larsen, E. R. (*In preparation*). Influence structures and endogenous coordination.
3. Guo, J. & **Tanaka, K.** (*In preparation*). Communication structure and meta-knowledge updating.
2. **Tanaka, K.**, Vega Yon, G. G., & Methot, J. M. (*Under review*). Multiplex workplace relationships.
1. **Tanaka, K.**, & Contractor, N. S. (*In preparation*). Network acuity and awareness.

## GRANTS & AWARDS

### *Research Funding*

2. IMC Seed Funding  
*Communication structure and transactive memory systems updating* (PI with Jerry Guo)  
Awarded Amount: 73,806 DKK (~US\$10,000) 2022
1. SICSS Chicago Project Funding  
*Structure and dynamics of package ecosystems* (Co-PI with Yian Yin & Igor Zakhlebin)  
Awarded Amount: US\$1,973.76 2018

***Honors & Awards***

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|-----|--|------|
| 10. | Best of the B.E.S.T. (Brief Entertaining Scholarly Talks) Award in OC Division at Annual Conference of International Communication Association (US\$100) | 2022 |
| 9.  | Top Paper Award in CM Division at Annual Conference of International Communication Association   | 2022 |
| 8.  | OCIS Doctoral Consortium at Academy of Management Annual Conference (US\$1,001.27)   | 2019 |
| 7.  | SYNS Symposium Ph.D. Scholarship Award (US\$475)   | 2017 |
| 6.  | WWSSS 2016 Travel Grant (EUR600)   | 2016 |
| 5.  | Top 6 Case Competition Finalists at People Analytics Conference  | 2016 |
| 4.  | Best Entry Prize in the Honors/Master/GradDip category of the 2013 Borrie Prize  | 2014 |
| 3.  | ICC Scholarship (AUS\$2,000)   | 2013 |
| 2.  | Tempstaff Youth International Scholarship (US\$2,000)  | 2010 |
| 1.  | Participant Special Award at SPSS Directions Japan   | 2008 |

**PRESENTATIONS      *Invited Talks***

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|-----|--|------|
| 10. | <i>Measuring patterns of interaction in hybrid work arrangements</i><br>Patterns of Interaction Workshop, Denmark  | 2023 |
| 9.  | <i>Communication structures, knowledge distribution, and meta-knowledge updating</i><br>IMC Tuesday Seminar at IMC, Aarhus University, Denmark   | 2023 |
| 8.  | <i>How relational affect impacts coordination misalignment in an organization</i><br>Human Dynamics Group at MIT Media Lab (Virtual)   | 2022 |
| 7.  | <i>Network perspective in effective coordination</i><br>Decision Science Seminar Series at National University of Colombia, Medellín, Colombia   | 2022 |
| 6.  | <i>How relational affect impacts coordination misalignment in an organization</i><br>Network Science and Social Network Analysis at the University of Utah (Virtual)   | 2022 |
| 5.  | <i>Positional and dispositional factors that predict who commits routing errors and who learns from them</i><br>School of Information Studies at Syracuse University, Syracuse, NY                           | 2020 |
| 4.  | <i>The dynamics of network awareness</i><br>Waseda University, Tokyo, Japan  | 2020 |
| 3.  | <i>How dispositional and positional factors affect an individual's ability to efficiently route messages in a network</i><br>NICO Lightning Talks at Northwestern Institute on Complex Systems, Evanston, IL | 2019 |
| 2.  | <i>Harnessing network awareness and activation</i><br>Lightning Talk at Symposium for the Society of Young Network Scientists, Indianapolis, IN  | 2017 |
| 1.  | <i>A mask tells us more than a face: Self-disclosure and network formation in an online community</i><br>CSIRO, Canberra, Australia  | 2014 |

***Refereed Conferences***

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|----|--|------|
| 8. | <i>Communication networks, knowledge specialization, and transactive memory system updating</i> (with Jerry Guo)<br>European Group for Organizational Studies Colloquium | 2024 |
| 7. | <i>Errors of omission and commission in group communication networks</i> (with Leslie DeChurch & Noshir Contractor)<br>Annual Meeting of the Academy of Management       | 2022 |
|    | Annual Conference of International Communication Association   | 2018 |
|    | Organizational Communication Mini Conference   | 2017 |

6. *Network and processing errors in information sharing* (with Leslie DeChurch & Noshir Contractor)  
Annual INGRoup Conference 2022
5. *Knowing is not enough: How network awareness and acuity are associated* (with Noshir Contractor)  
Annual Conference of International Communication Association 2022  
\* B.E.S.T. Award  
Networks 2021
4. *Imaginary network motifs: Structural patterns of false positives and negatives in social networks* (with George Vega Yon)  
Annual Conference of International Communication Association 2022  
\* Top Paper Award
3. *Effect of crew composition and communication delay on network routing performance in spaceflight multiteam systems* (with Annie Chen, Leslie DeChurch & Noshir Contractor)  
Networks 2021  
NASA Investigators' Workshop 2020
2. *Positional and dispositional factors that predict who commits social network routing errors and who learns from them* (with Leslie DeChurch & Noshir Contractor)  
Organizational Communication Mini Conference 2020  
International School and Conference on Network Science 2020  
Sunbelt Conference 2020
1. *Networking strategies at the trade-off between individual and system-level efficiency* (with Ágnes Horvát)  
Annual Conference of International Communication Association 2019  
Annual Conference on Complex Networks 2018

**TEACHING*****Aarhus University***

15. Guest Lecture: Neuroscience for Business (M.S.) by Brandi Morris & Marco Hubert Fall2023

***Northwestern University***

14. Teaching Assistant: Persuasive Images: The Rhetoric of Popular Culture (undergraduate) by Irving Rein (TA evaluation 4.67/6) Winter2021
13. Teaching Assistant: Leading into the Future in Kellogg Exec Training by Noshir Contractor Fall2020
12. Teaching Assistant: Social Network Analysis (Ph.D.) by Noshir Contractor (TA evaluation 5.91/6) Fall2020
11. Guest Lecturer: Network Exercise "Six Degrees of Separation" in Social Network Analysis (undergraduate) by Noshir Contractor Summer2020
10. Teaching Assistant: Social Network Analysis (undergraduate) by Noshir Contractor (TA evaluation 5.68/6) Spring2020
9. Teaching Assistant: Social Network Analysis (Ph.D.) by Noshir Contractor (TA evaluation 5.98/6) Fall2019
8. Guest Lecturer: Network Exercise "Six Degrees of Separation" in Social Network Analysis (M.S. in Analytics) by Noshir Contractor Fall2019
7. Guest Lecturer: Network Exercise "Six Degrees of Separation" in Social Network Analysis (undergraduate) by Noshir Contractor Spring2019
6. Guest Lecturer: Network Exercise "Six Degrees of Separation" in Executive Training (Kellogg EMBA) by Noshir Contractor Spring2018
5. Teaching Assistant: Social Network Analysis (undergraduate) by Noshir Contractor (TA evaluation 5.29/6) Spring2017

***Canberra Japanese Supplementary School Inc.***

4. Primary School Teacher: Japanese and Math (six grade) 2014-2015

**Workshops**

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|----|---|------|
| 3. | Antone, B., <b>Tanaka, K.</b> , & Contractor, N. S. Interactive tools and teaching methods for motivating social network thinking. Sunbelt Conference of the International Network for Social Network Analysis, Edinburgh, Scotland, June 24-30.  | 2024 |
| 2. | Antone, B., <b>Tanaka, K.</b> , Gómez-Zarà, D., Wu, Y. J., Suscheveskiy, V., & Contractor, N. S. Interactive tools and teaching methods for motivating social network thinking. Sunbelt Conference of the International Network for Social Network Analysis, Portland, OR, June 26-July 1. (online and in-person) | 2023 |
| 1. | Contractor, N. S., <b>Tanaka, K.</b> , Krackhardt, D., & Gado, H. 6 Degrees of Separation (6-DoS): An online tool for teaching and research. Sunbelt Conference of the International Network for Social Network Analysis, Paris, France, June 2-7. (Conference canceled)  | 2020 |

**MENTORING****Aarhus University**

- |     |                       |              |
|-----|-----------------------|--------------|
| 17. | Mattis Lund (B.S.)    | 2023-Present |
| 16. | Magnus Severin (B.S.) | 2023-Present |

**Northwestern University**

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|-----|---|-----------|
| 15. | Akshya Dhinakaran (B.A.; co-thesis advisor) | 2022-2023 |
| 14. | Xiangheng (Annie) Chen (B.A.)               | 2021      |
| 13. | Aida Baimenova (B.S.)                       | 2020      |
| 12. | Yunejung Park (B.A.)                        | 2019-2020 |
| 11. | Melissa Chi (B.S.)                          | 2019      |
| 10. | Ziyue (Allen) Xu (B.A.)                     | 2019      |
| 9.  | Neil Vakharia (B.S.)                        | 2019      |
| 8.  | Matthew Nicholson (B.A.; co-thesis advisor) | 2018-2019 |
| 7.  | Rachel Gradone (B.S.)                       | 2017-2019 |
| 6.  | Nadia Ennab (B.A.)                          | 2018      |
| 5.  | Sidhartha Jha (B.S.)                        | 2017-2018 |
| 4.  | Kate Kim (B.S.)                             | 2017      |
| 3.  | Cameron Witz (B.S.)                         | 2017      |
| 2.  | Jeremy Piech (B.S.)                         | 2016-2017 |
| 1.  | Mo Ran (B.S. & B.A.)                        | 2016-2017 |

**SERVICE****Reviewing**

Annual Meeting of the Academy of Management

Annual Conference of the International Communication Association

Annual Interdisciplinary Network for Group Research Conference

**Co-Organizer**

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|----------------------------------|------|
| Patterns of Interaction Workshop | 2023 |
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**Conference Volunteer**

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|--|-------------|
| Annual Conference of the International Communication Association                           | 2022        |
| Virtual Sunbelt  | 2020        |
| International Conference on Computational Social Science (IC <sup>2</sup> S <sup>2</sup> ) | 2016 & 2018 |
| Organizational Communication Mini Conference   | 2016        |
| InfoSocial Graduate Research Conference  | 2016        |

**EXPERIENCE**

- |                              |           |
|------------------------------|-----------|
| Graduate Assistant           | 2015-2021 |
| Northwestern University, USA |           |

SONIC Research Group

Research Assistant  
Australian National University, Australia  
VOSON Lab

2014-2015

Independent Consultant  
Appen, Japan

2012-2013

Intern  
Hyogo Business and Cultural Center, USA

2011

MEMBERSHIPS

Academy of Management  
International Communication Association  
International Network for Social Network Analysis