Loni Hagen
Associate Professor of Data Science,
University of South Florida

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EDUCATION

Ph.D. Information Science, University at Albany SUNY (*Distinguished Dissertation Award, 2016*)
Ph.D. course work, Information Studies (specialized in Information Law), University of Tokyo, Tokyo, Japan.
M.A.S. Information Studies (specialized in Information Law), University of Tokyo, Tokyo, Japan.
M.A. Advertising and Public Relations, Yonsei University, Seoul, Korea.
B.A., Law, Korean National Police University, A-san Si, Korea

ACADEMIC/RESEARCH APOINTMENT

2022 – present **Associate Professor,** University of South Florida
2016 – 2022 **Assistant Professor,** University of South Florida
Area of research: Human Centered Data Science, Social Media Mining
Teaching: Introduction to Data Science, Introduction to Data & Text Mining, Predictive Analytics, Information Analytics

2013 – 2019 Guest researcher, International Cybercrime Research Center, Korean National Police University, A-san Si, Korea

GRANTS AND AWARDS

2022 Agency: Cyber Florida, Title: Online Information Environment Analysis, **Role: PI,** $55,320 (Dec. 1, 2022-Nov. 30, 2024).

2020 The USF COVID19 Rapid Response Research Grants, "A Decentralized Digital ID for Pandemics," **Role: Co-PI,** $25,000, PI: Shivendu Shivendu

2020 Cyber Florida COVID-19 Research Award, "Social Bots and Disinformation in Cyber-Discussions of COVID19," **Role: PI**, $42,000.

2020 Public Interest Technology University Network Travel Grant to attend "Informatics Education 2020" conference in Austin, TX between March 3-5, 2020, $1,000.

2019 Best Management Paper Award, *The 20th Annual International Conference on Digital Government Research*.

2017-2021 지능정보 사회 도래에 따른 공공부문의 역할과 과제 (Setting the Agenda regarding the Role of the Public Sector on *Intelligent* Society), The National Research Foundation of Korea Grant, PI: Dong Wook Kim (Seoul National University, Korea), Role: Co-I **($1.6 million)**

The goal of the project is to investigate the role of the public sector in response to the rise of Artificial Intelligence.

2016   Distinguished Dissertation Award, College of Engineering and Applied Sciences, University at Albany, SUNY

PUBLICATIONS

- Underscore indicates students.

Report:

1. **Hagen, L.,** Neely, S., Eldredge, C., and Qadir, H. (2020), "Social Bots and Disinformation in Cyber-Discussions of COVID19," submitted to Cyber Florida

Book Chapters:

2. **Hagen, L.,** Harrison, T. M., Dumas, C. (2018), "Data Analytics for Policy Informatics: The Case of E-Petitioning," **Book chapter** for *Policy Analytics, Modelling, and Informatics: Innovative Tools for Solving Complex Social Problems, Springer*. ISBN 13: 978-3319617619

3. Dumas, C., Harrison, T. M., **Hagen, L.,** & Zhao, X (2017). "What Do the People Think?: E-Petitioning and Policy Decision Making." In A. A. Paulin, L. G. Anthopoulos, & C. G. Reddick (Eds.), Beyond Bureaucracy (pp. 187–207). Springer International Publishing. ISBN: 978-3-319-54141-9; 978-3-319-54142-6

Refereed Journal Article:

Hagen, L., (under review), "Social Media Bots, and Best Practices for Dealing with Them"

1. **Hagen, L.,** Patel, M. & Luna Reyes, L.F. (accepted) "Supervised Data Science for City Governments: A Data Science Project Using a Local 311 Citizen Request Data," *Journal of the Association for Information Science and Technology.*

2. DePaula, N., **Hagen, L.,** Roytman, S., and Alnahass, D., (2022), "Platform effects on health and risk communication: Message design and audience engagement across Twitter and Facebook" *JMIR Infodemeology.*

3. Lee, E., & **Hagen, L.** (2022). Identifying Policy Direction Change from Economic Texts Using Words as Data. *Journal of Safety and Crisis Management*, *12*(5), 11–20.

4. Zhang, Y., Wu, D., **Hagen, L.,** Song, I.-Y., Mostafa, J., Oh, S., Anderson, T., Shah, C., Bishop, B. W., Hopfgartner, F., Eckert, K., Federer, L., & Saltz, J. S. (2022). "Data science curriculum in the iField," *Journal of the Association for Information Science and Technology*. https://doi.org/10.1002/asi.24701

5. **Hagen, L.,** Fox, A., O'Leary, H., Dyson, D., Walker, K., Lengacher, C. A., & Hernandez, R., (2022) "The role of influential actors in fostering the polarized COVID-19 vaccine discourse on Twitter: mixed methods of machine learning and inductive coding," *JMIR Infodemeology*

6. Xu, Y., Sun, Y., **Hagen, L.,** Falling, M., and Patel, M. (2021) "Evolution of the Plandemic Communication Network Among Serial Participants on Twitter," *New Media and Society.* (H-Index: 109, 5 Year Impact Factor: 4.972)

7. Hernandez, R.G., **Hagen, L.**, Walker, K., O'Leary, H., & Lengacher, C., (2021), The COVID-19 Vaccine Social Media Infodemic: Healthcare Providers' Missed Dose in Addressing Misinformation and Vaccine Hesitancy, *Human Vaccines & Immunotherapeutics, 17*(11). (H-Index: 58, Impact Factor: 2.619)

8. Shah, C., Anderson, T., **Hagen, L.,** and Zhang, Y. (2021), An iSchool Approach to Data Science: Human-Centered, Socially Responsible, and Context-Driven, *Journal of the Association for Information Science and Technology, 72*(6), p. *793-796.* (H-Index: 145, Impact Factor: 2.687)*.

9. **Hagen, L. (**2020), Teaching Undergraduate Data Science for Information Schools, *Education for Information, 36*(2) p. 109-117.

10. **Hagen, L.,** Neely, S., Scharf, R., & Keller, T. (2020), Social Media Use for Crisis and Emergency Risk Communications during the Zika Health Crisis, *ACM Digital Government: Research and Practice (DGOV), 1(2),* Ranked in the Most Popular Article List.

11. **Hagen, L.,** Neely, S., Scharf, R., Keller, T., & Espinoza, F. (2020), Rise of the Machines? Examining the Influence of Social Bots on a Political Discussion Network, *Social Science Computer Review.* (H-Index: 73, Impact Factor: 4.578)

12. **Hagen, L.**, Keller, T. E., Luna Reyes, L. F., and Zhao, X. (2019), Open Data Visualizations and Analytics as Tools for Policy-Making, *36*(4) *Government Information Quarterly.* (H-Index 103, Impact Factor: 5.098)

13. Yoon, J., **Hagen, L.,** Andrews, J., Scharf, R., Keller, T., & Chung, E. (2019), Impact of Multimedia Tweets in Health Communications: An analysis of Tweets on Zika Virus, *Information Research, 24*(2) (Impact factor: 0.574).

14. **Hagen, L. (**2018)**,** Content Analysis of E-petitions with Topic Modeling: How to Train and Evaluate LDA Models?, *Information Processing & Management, 54*(6), 1292-1307. (H-Index: 101, Impact Factor: 4.787)

15. **Hagen, L.,** Keller, T., Neely, S., DePaula N., & Cooperman, C. (2018), "Crisis Communications in the Age of Social Media: A Network Analysis of Zika Related Tweets," *Social Science Computer Review*, *36*(5), 523-541. (H-Index: 73, Impact Factor: 4.578)

16. Jun, D., Kim, D., & **Hagen, L.** (2017)**,** The Impact of Mobile Social Media Use on User's Emotional Status, *Journal of the Korean Association for Regional Information Society*, 20(2)002, written in Korean.

    News Appearance: **Chung-Ang Sunday (5-12-2018) in** "SNS users with seven accounts are 3 times more depressed compared to others with two SNS accounts": SNS users who use SNSs for networking and economic activities are less associated with negative emotions compared to SNS users who mainly use them for political participation.

17. **Hagen, L.,** Harrison, T. M., Uzuner, Ö., May, W., Fake, T., & Katragadda, S (2016). "E-petition popularity: Do linguistic and semantic factors matter?," *Government Information Quarterly*, 33(4), 783–795. (H-Index 103, Impact Factor: 5.098)

18. Dumas, C., LaManna, D., Harrison, T. M., Ravi, S.S., Kotfila, C., Gervais, N., **Hagen, L.**, & Chen, F (2015). "Examining Political Mobilization of Online Communities through E-petitioning Behavior in We the People," 2015. *Big Data and Society 2*(2).

19. **Hagen, L.,** Fox, A., O'Leary, H., Dyson, D., Walker, K., Lengacher, C. A., & Hernandez, R., (preparing for a submission) "Polarization of COVID-19 Vaccine Discourse on Twitter: Implications for Vaccine Uptake."

Invited Journal Articles: * These are under my maden name.

2005   **Kim, Yong Lan [Hagen, L.],** "A Study of a Proposed Amendment to Japanese Criminal Law in Response to the Convention on Cyber Crime" (in Korean), *Police Science Research, Vol*. 19:381-420.

2004   **Kim, Yong Lan [Hagen, L.],** "An Introduction to the Korean Public Information Act and the 2004 Amendment" (in Japanese). *Public Information Quarterly*. *Vol.* 13: 56-61. Reprinted in *Public Information Acts in Foreign Countries* (Tokyo: Shineisya), pp. 32-42.

Refereed Conference Proceedings (Peer Reviewed Full Research Paper):

20. DePaula, N., **Hagen, L**., Roytman, S., Dyson, D., Alnahass, D., Patel, M., and Hill, A., (2022) "A Framework of Social Media Messages for Crisis and Risk Communication: A Study of the Covid-19 Pandemic," *Hawaii International Conference on System Sciences (HICSS).*

21. **Hagen, L.,** Harrison, T., & Falling, M. (2021). Contributions of Data Science to Digital Government Research. *DG.O2021: The 22nd Annual International Conference on Digital Government Research*, 38–48. https://doi.org/10.1145/3463677.3463683

22. **Hagen, L.,** Yi, H. S., Pietri, S., & Keller T. E. (2019), "Processes, Potential Benefits, and Limitations of Big Data Analytics: A Case Analysis of 311 Data from City of Miami", The 20th *Annual International Conference on Digital Government Research*. **(The Best Management Paper Award)**

23. **Hagen, L.,** Scharf, R., Neely., S., & Keller, T. (2018), "Government Social Media Communications during Zika Health Crisis" In *Proceedings of the 19th Annual International Conference on Digital Government Research*, May 30 – June 1, Delft, the Netherlands

24. Jun, D., **Hagen, L**., Lee, E., Lim, H., & Kim, D. (2018), "How Big Data Contributes to the Building of Citizen-Centric Smart Cities: The case of Namyangju City in Korea" In *Proceedings of the 19th Annual International Conference on Digital Government Research*, May 30 – June 1, Delft, the Netherlands.

25. **Hagen, L.,** Harrison, T. M., Uzuner, Ö., Fake, T., LaManna, D., & Kotfila, C (2015). "Introducing Textual Analysis Tools for Policy Informatics: A Case Study of E-petitions." In *Proceedings of the 16th Annual International Conference on Digital Government Research,* May 27-30, 2015, Phoenix, AZ.

26. **Hagen, L.,** Uzuner, Ö., Kotfila, C., Harrison, T. M., & Lamanna, D (2015). "Understanding Citizens' Direct Policy Suggestions to the Federal Government: A Natural Language Processing and Topic Modeling Approach." In *Proceedings of the 2015 48th Hawaii International Conference on System Sciences (HICSS),* January 5-8, 2015, Kauai, HI**.**

27. Dumas, C., LaManna, D., Harrison, T. M., Ravi, S. S., **Hagen**, **L.,** Kotfila, C., & Chen, F. (2015)"E-petitioning as collective political action in We the People." *The iConference*, March 24-27, 2015, Newport Beach, CA.

28. **Hagen, L.** (2013) **"**Enterprise System Implementation in National and Local Korean Police Agencies: A Case Study." In *Proceedings of the 14th Annual International Conference on Digital Government Research* (pp. 46–55), June 17-20, 2013, Quebec City, Quebec, CA.

Refereed Posters:

2023   Lengacher, C. A., Reich, R. R., Rodriguez, C. S., Drobisz, J., **Hagen, L.**, Meng, H., Tinsley, S., Chauca, K., Lucas, J., Fonseca, T., Acosta, M., Baier, C. E., Joshi, A., Nidamanur, S., Pomatto, M., Surdovel, A., Allen, A. P., Kelly, T., Akinola, B., Park, J.Y. Evaluation of a Virtual Breast Cancer Education Support Program for Advanced Stage Breast Cancer Survivors (vBCES(BC)) for Black and Hispanic Breast Cancer Survivors. 20th Annual APOS Conference; poster presentation; March 15-17, 2023.

2023   Lengacher, C. A., Reich, R. R., Rodriguez, C. S., Drobisz, J., Hagen, L., Meng, H., Tinsley, S., Chauca, K., Lucas, J., Fonseca, T., Acosta, M., Baier, C., Joshi, A., Nidamanur, S., Pomatto, M., Surdovel, A., Allen, A. P., Kelly, T., Akinola, B., Park, J.Y. Evaluation of a Virtual Breast Cancer Education Support Program for Advanced Stage Breast Cancer Survivors (vBCES(BC)) for Black and Hispanic Breast Cancer Survivors. *Psycho-Oncology*. 2023;32(S1):85 https://doi.org/10.1002/pon.6090.

2019   **Hagen, L.,** Falling, M., Lisnichenko, A., Elmadany, A. A., Mehta, P., **Abdul-Mageed, M.,** Costakis, J., & Keller, T. E., "Emoji Use in Twitter White Nationalism Communication." In the CSCW 2019, Nov. 9-13, Austin, TX

2017   **Hagen, L.,** "Overcoming the Privacy Challenges of Wearable Devices: A Study on the Role of Digital Literacy," In *Proceedings of the 18th Annual International Conference on Digital Government Research*, June. 7-9, New York, NY

2017   **Hagen, L**., Keller, T., Scharf, R., Yoon, J., Andrews, J., & Chung, E. "Impact of Multimedia Tweets in Health Communications: An analysis of Tweets on Zika Virus." In the *ALISE 2017*. Jan. 17-20, Atlanta, GA.

2016   **Hagen, L.** "Topic Modeling for E-petition Analysis: Interpreting Petitioner's Policy Priorities." In the ALISE 2016—Doctoral Student Poster Competition, Jan. 5-8, Boston, MA.

2015   **Hagen, L.**, Harrison, T. M., & Uzuner, Ö. "Topic Modeling for E-petition Analysis." In the 37th APPAM Fall Research Conference—The Golden Age of Evidence-Based Policy, Nov. 12-14, 2015, Miami, FL.

2012   **Hagen, L.,** & Sinn, D. "Enterprise Systems and Government Organizational Changes: A Socio-materiality Analysis." In *Proceedings of the 6th International Conference on Theory and Practice of Electronic Governance* (pp. 470–471).

INVITED TALKS

2021   "Changing online media echo-system in relation with partisan conversation patterns" in *The Broken Internet Symposium* organized by COMPACT funded by European Commission, Jan 21, Virtual.

2020   "Open Data Visualizations and Analytics as Tools for Policy-Making," in the session "user Testing Statistical Graphics" *2020 Symposium on Data Science & Statistics by* **American Statistical Association**, June 3-5, Virtual

2019   "Library analytics & access to data," *2019 Leading Edge Libraries Conference*, September 18-19, 2019 at Orlando, FL

2015   Guest lecture: "Patterns and Contents of Online Citizen Participation: Text Mining Approach," Policy Informatics course in Graduate School of Public Administration, Seoul National University, Korea (via Skype)

2015   "Natural Language Processing and Topic Modeling," Burlington Data Scientists meeting, Burlington, VT

CONFERENCE ACTIVITY/PARTICIPATION

Track Chair:

2023   Sandoval-Almazan, Criado, & **Hagen**, "Social Media and Government", *The 24th Annual International Conference on Digital Government*, 11-14 July 2023 Gdańsk, Poland.

2020   **Hagen, L.,** Susha, I., & Tambouris, E., "Governance of Technologies and Data in Social Innovations", *The 21th Annual International Conference on Digital Government*, June 15-19, 2020, Seoul, South Korea.

2017   **Hagen, L**., Kwon, H.Y., Sung W.J., & Chun, S.A. "Cybersecurity and Government," *The 20th Annual International Conference on Digital Government*, June 7-9, 2017, New York, NY.

Workshops, Panels and Sessions Organized:

2021   **Hagen, L.,** Greyson, D., Fox, A., Koltai, K., & Dumas, C., "Social Media, Vaccines, and Partisan Division of Health Information (SIG-SM)" *The Association for Information Science and Technology,* Salt Lake, Utah, **Panel**

2021   Karami, A., **Hagen, L.,** Dumas, C., Ilhan, A., Jarrahi, M. H., & Zimmerman, T., "Social Media Research, Challenges, and Opportunities (SIG-SM)" *The Association for Information Science and Technology,* Salt Lake, Utah, **Workshop**

2021   **Hagen, L.,** et al. "Open Government and Open Data in Times of COVID-19*,"* in the 22th Annual *International Conference on Digital Government Research*, **Panel**

2021   Kim, D., et al. "Opportunities and Risks in Intelligent Governance and Smart City" in the 22th Annual *International Conference on Digital Government Research*, **Workshop**

2020   Simmons, R., **Hagen, L.,** Rhinesmith, C., Singh, V., Zhu, X., & Philips, A., Workshop, Part 1&2: Sociotechnical Change Agents: ICTs, Sustainability, and Global Challenges (SIG-SI, SIG-SM, SIG-IEP), **Workshop**

2020   **Hagen, L.,** "Teaching Data Science to Social Sciences and Humanities Students", *The 21st Annual International Conference on Digital Government Research*, June 15, Virtual, **Tutorial**

2020   **Hagen, L.,** Abdul-Muhammad, M., Andrews, J., Zamir, H., Hamerly, D., and Clifford-Bova, S., "Undergraduate Data Science Education in iSchools: Optics and Politics", **Session for Interaction and Engagement,** *iConference*

2019   **Hagen, L.,** Andrews, J., and Federer, L., "Data Science Education in Library and Information Science Schools", **Panel,** *The Association for Information Science and Technology,* Melbourne, AU

2019   Rorissa, A., **Hagen, L.,** Kim, J., Andrews, J., and Federer, L., "Data Science Research and Practice: High time for synergy", **Panel,** *The Association for Information Science and Technology,* Melbourne, AU

2019   **Hagen, L.,** "Automatic Content Analysis with Topic Modeling: How to Train, Evaluate, and Visualize LDA models?", **Tutorial**, *The 20th Annual International Conference on Digital Government Research,* June 18, Dubai, UAE.

2019   Kim, D., Sung, W., Chung, C., Yun, J., **Hagen, L**., and Chun, S., "DG.O 2020: Governance in the Era of Data Intelligence", **Workshop***, The 20th Annual International Conference on Digital Government Research*.

2019   **Hagen, L.,** Andrews, J., Zamir, H., and Hamerly, D., Undergraduate Data Science Education in iSchools: Current Practices and Future Directions, **Session for Interaction and Engagement**, *iConference*

2018   Kim, D.W., Kwon, H., Jun, D., Lee, E., **Hagen, L.,** & Chun, S.,   "Opportunities and Challenges in the Intelligent Society: Smart Cities, Digital Inclusion, and Cybersecurity," **Workshop**, *the 19th Annual International Conference on Digital Government Research*, May 30 – June 1, Delft, the Netherlands

2017   Taylor, N.G., **Hagen, L.,** Bashir, M., Dincelli, E., & Unsworth, K., "Wearable Devices: Information Privacy, Policy, and User Behavior," **Panel**, *The Association for Information Science and Technology,* Oct. 28 – Nov. 1, Washington D.C. (Crystal City, Virginia), USA

2016   Sung W.J., **Hagen, L**., & Chun, S.A. "Cyber Security in Korea and US: State-of-the-art Policies and Future Collaboration," **Symposium**, June 13, 2016, Seoul, Korea

2016   **Hagen, L.**, Sung W.J & Chun, S.A. "Cyber Security in Governments around the World: Initiatives and Challenges," **Workshop**, *Digital Government Conference*, June 8-10, 2016, Shanghai, China

2016   Vasquez, F., **Hagen, L.,** & Lee J. "e-Participation: Systems, Actors, Policy and Research," **Sessions for Interaction and Engagement**, *iConference—Partnership with Society*, March 20-23, 2016, Philadelphia, PA.

2015   **Hagen, L.,** Kropczynski, J., Dumas, C., Lee J., Vasquez, F., & Rorissa, A., "Emerging Trends in the Use and Adoption of E-participation Around the World," **Panel**, *The Association for Information Science and Technology—Information Science with Impact: Research in and for the Community,* November 6-10, 2015, St. Louis, Missouri

2013   **Hagen, L.**, DePaula, N., Dincelli, E., Caidi, N., & Rorissa, A. "Electronic Government around the World: Current Trends and Future Prospects." **Panel**, *The Association for Information Science and Technology—Beyond the Cloud: Rethinking Information Boundaries,* November 1-6, 2014, Montreal, Canada

Presentations:

2022   Presented "Social Media Bots" for the Panel session: Chong, M., Shah, C., Shu, K., He, J., & Hagen, L. (2022). Delving into Data Science Methods in Response to the COVID-19 Infodemic. Proceedings of the Association for Information Science and Technology, 59(1), 555–558. https://doi.org/10.1002/pra2.625

2021   "Data and Data Science Infrastructure" In the Panel, "Open Government and Open Data in Times of COVID-19*,"* in the 22th Annual *International Conference on Digital Government Research,* June 11, Virtual.

2021   "iSchool Model of Data Science Curriculum" at Undergraduate Special Presentation - Curriculum Committee Reports, In the 2021 iConference, Renmin University of China, March 17-31, 2021.

2020	Panelist in "Working collaboratively, apart: Bringing together research on COVID-19" at Workshop: Sociotechnical Change Agents: ICTs, Sustainability, and Global Challenges (SIG-SI, SIG-SM, SIG-IEP), In the 2020 Annual Meeting of the Association for Information Science and Technology, October 31-November 1, 2020.
2020	"Introducing a data science education model for public interests at University of South Florida" In the PIT-UN Undergraduate Informatics Education Conference, March 3-4, 2020, Austin, TX
2018	"Investigating Political Polarization: A Case Study of Trump-Russia Investigation Tweets" In the *workshop on the 14th Annual Social Informatics Research Symposium: Sociotechnical Perspective on Ethics and Governance of Emerging Information Technologies*, In the 2018 Annual Meeting of the Association for Information Science and Technology, November 10, 2018, Vancouver, Canada
2018	"A summary of GDPR, and the implication of GDPR to machine learning communities" In the panel, *The Rise of Privacy: Complying with GDPR in the United States*, In the Florida Cyber Conference 2018, October 10-12, Tampa Florida.
2016	"E-Petition Popularity: Do Linguistic and Semantic Factors Matter?" In the *Interdisciplinary Data Sciences Consortium*, University of South Florida.
2016	"e-People, the Korean E-petitioning System." In the panel, "Petitioning East and West: Historical Forms of Participation with Contemporary Application to Digital Government," In the *17th Annual International Conference on Digital Government Research,* June 10, 2016, Shanghai, China.
2015	"Topic Modeling for E-petition Analysis: Interpreting Petitioners' Policy Priorities." In the panel, "Emerging trends in the use and adoption of e-participation around the world," In the *2015 Annual Meeting of the Association for Information Science and Technology—Information Science with Impact: Research in and for the Community*, Nov. 6-10, 2015, St. Louis, Missouri.
2015	"Automatic Description of Textual Big Data: A Case Study of Electronic Petitions." In the panel, "New Approaches to Textual Analysis in E-Government Research." In the *16th Annual International Conference on Digital Government Research—Digital Government and Wicked Problems,* May 27-30, 2015.
2014	Dumas, C., LaManna, D. Harrison, T.M., Ravi, S.S., Kotfila, C., Gervais, N., **Hagen, L.,** & Chen, F. "Examining Political Mobilization of Online Communities through E-Petitioning Behavior in We The People." (extended abstract) Presented at the Social Media & Society Conference, July 27-29, 2014, Toronto, CA.

2013	**"Government 3.0 of South Korean Government: What has been Achieved?"** In the panel, "Electronic Government around the World: Current Trends and Future Prospects." In the *2013 Annual Meeting of the Association for Information Science and Technology—Rethinking Information Boundaries*, Nov. 1-3, 2015, Montreal, CA.
2004	**Kim, Yong Lan [Hagen, L.], "**The Right to Privacy: A Comparison of Perspectives Expressed in Korean, Japanese and American Law". *8 th Asian Studies Conference Japan*, *Sophia University,* June 19, 2004, Tokyo, Japan.

Workshop attendance:

2019-20	2019 and 2020 iConference Early Career Colloquium (ECC)
2018	Backward Course Design: Aligning Outcomes and Exam Questions
2018	Web seminar: 2018 CAREER Webinar, NSF
2018	Research Bootcamp, May 6-11, University of South Florida
2017	Canvas and Course "Tune Up," ATLE, University of South Florida
2017	E-Discovery Project, University of Florida Law School, Feb. 20, Florida
2016	Privacy and Language Technologies, AAAI 2016 Fall Symposium Series, Virginia
2015	Big Data and Public Policy Workshop, November 11, Miami, Florida
2015	Sentiment Analysis Symposium, July 15-16, New York, NY
2014	Machine Learning with MATLAB, May 1, Albany, NY
2014	Team Based Learning Academy, January 10, Albany, NY

TEACHING

2016-present	**Undergraduate data science track**: Introduction to Data Science; Introduction to Data & Text Mining; Predictive Analytics
	Graduate intelligence studies: *Information Analytics*
	School of Information, University of South Florida
2014	*Current Topics in Social Media*, Developed and taught a new course focused on social media analytics; *Web Technologies,* Informatics Department, SUNY Albany
1998 – 2001	Developed and taught several courses, such as *Police Public Relations, Police Wireless Communication Systems,* and *Intensive Japanese*. Police Comprehensive Academy, In-cheon Si, Korea

GRANT PROPOSALS (PENDING OR NOT FUNDED)

External Funds

1. 2023   Agency: NCCIH I.D.#: PAR-20-240 (R34) Title: "Feasibility Testing of a Virtual MBSR(C) and ASCE Program among Caregivers of Advanced Stage Cancer Survivors." MPI: C. Lengacher, C. Rodriguez Percent effort: 5% Amount requested: $703,169 Project submitted: February 2023 Project status: Pending

2. 2022   Agency: NCI I.D.#: PAR-20-180 (R01 Clinical Trial) Title: Effectiveness testing of a virtual MBSR(BC) Program compared to a virtual BCES program on multimorbidity health outcomes among African American and Hispanic Breast Cancer Survivors. MPI: C. Lengacher, C. Rodriguez, **Role: Co-I**, Amount requested: $3,792, 630 Submitted: Oct. 2022

3. 2022   Agency: Social Science Research Council, The Mercury Project Title: Bursting the Bubble: Can altering information bubbles reduce/increase vaccine confidence? A randomized trial, **Role: Co-PI,** Amount requested: $ 128,636 Submitted: April 2022

4. 2022   Grants.gov Tracking #: GRANT13563126 (R01 Clinical Trial), "Effectiveness of a Virtual vMBSR(c) Program for Caregivers of Advanced Stage Cancer Patients: A Randomized Trial" Co-PI.: C. Lengacher Co-PI., C. Rodriguez, **Role: Co-I**, (Amount requested: $3,662,839), resubmitted: March 2022.

5. 2021   NCI I.D.#: PAR-21-035 (R01 Clinical Trial), "Effectiveness of a Virtual vMBSR(C) Program for Caregivers of Advanced Stage Cancer Patients: A Randomized Trial," Co-PI.: C. Lengacher Co-PI., C. Rodriguez, **Role: Co-I**, (Amount requested: $3,656,340), Submitted: June 2021.

6. 2021   DHS Fiscal Year 2021 Targeted Violence and Terrorism Prevention (TVTP) Grant Program, Title: "Detecting Extremist Threats And Preventing Terrorism (DETAPT): A machine learning and digital humanities collaborative approach to understanding and preventing radicalization and domestic terrorism", **Role: PI**, (Amount requested: $746,223), Submitted: May 2021

7. 2021   NIJ Research and Evaluation on Domestic Terrorism Prevention, Fiscal Year 2021 (O-NIJ-2021-60007), Title: "Detecting Extremist Threats And Preventing Terrorism (DETAPT): A machine learning and digital humanities collaborative approach to understanding and preventing radicalization and domestic terrorism", **Role: PI**, Amount requested: $1,210,000, Submitted: April 2021.

8. 2020   NIH/NCI, "Trial of a Virtual MBSR(C) Program on Health Care Outcomes and Utilization among Cancer Caregivers and Patients: A Dyadic Analysis," PI: Cecile Lengacher, **Role: Co-I,** (Amount requested: $3,676,650).

9. 2020   Robert Wood Johnson Foundation Systems for Action: Supplemental Research on COVID-19 Response and Recovery 2020, "Aligning Systems for Equities in COVID-19 Vaccine Acceptance: Developing Big-Data and Thick-Data Driven Cross-Sector Strategic Communication Plans," **Role: Co-PI,** (Amount requested: $ 199,757).

10. 2018   Submitted "The Future of an Informed Society: Initial Proposal" to Knight Foundation (PI: Giovanni Luca Ciampaglia at The Poynter Institute, **Role: Co-I**), (Amount requested: $4,601,559).

11. 2017   FC2 Collaborative Seed Program, "Automatic Detection of Vague Content in Privacy Policies Using Natural Language Processing and Deep Learning Techniques," Role: Co-PI, (Amount requested: $50,000).

Internal Funds

1. 2021   USF Rapid response program, "Feasibility of a Virtual Mindfulness-Based Stress Reduction Breast Cancer (vMBSR(BC)) Program on Health Outcomes among African American and Hispanic Breast Cancer Survivors" P.I. C. Lengacher, **Role: Co-I**, (Amount requested: $19,432), Submitted: March 2021

2. 2021   USF Sarasota Manatee campus Interdisciplinary Research Grant, "vMBSR(C) Feasibility Pilot Study for Caregivers of Advanced Stage Cancer Patients" **Role: Co-I,** (Amount requested: $19,943).

3. 2021   Johns Hopkins All Children's Foundation Institutional COVID-19 Related Research Grants "Pediatric COVID-19 Vaccine Acceptance: A Multi-Scalar Assessment of Diverse Parental and Youth Attitudes Integrating National Social-Media and Community-Based Perspectives to Promote Diversity, Equity and Inclusion", **Role: Co-I**, (Amount requested: $99,209).

4. 2020   The USF COVID19 Rapid Response Research Grants, "Identifying Diverse Barriers to COVID-19 Vaccines: Developing Mixed Method Big-Data and Thick-Data Driven Strategic Communication Plans for Effective Messaging," **Role: PI,** (Amount requested: $25,000).

5. 2020   The USF COVID19 Rapid Response Research Grants, "COVID19 Public Health Information Crisis: Measuring the Impact of Conflicting Public Health Information by the U.S. Government using Machine Learning Approaches," **Role: PI,** (Amount requested: $25,000).

6. 2017   CAS Internal Seed Funding Program, "How Improving Digital Literacy Related to Wearable Devices Impacts User Decisions Regarding Privacy," **Role: PI**, (Amount requested: $5,000).

Letter of Inquiry

1. 2020   **[External]** *Letter of Intent*: Robert Wood Johnson Foundation Community Solutions for Health Equity 2020, "Influencing Latinx and African-American Social Media Networks to Increase Vaccine Adherence Among Uninsured and Medicaid Dependent Families in the Tampa Bay Community," **Role: Co-PI**, (Amount requested: $300,000).

2. 2018   Letter of Intention, USF Strategic Investment Pool Awards, "Center for Social Science Informatics," **Role: PI**, (Amount requested: $50,000).

3. 2017   [**External**] Submitted an executive summary, BAA Number: DARPA-BAA-16-46, DARPA, "Inference and Control of Online Social Dynamics and Human Society," PI: Dr. Kwang-Cheng Chen, **Role: Co-PI**.

4. 2016   [**External**] Russell Sage Foundation's special initiative on Computational Social Science, "Which Words Matter? A Text Analytics Classification Model for E-Petitions," *Letter of Inquiry*, **Role: Co-PI**.

PROFESSIONAL WORK EXPERIENCE

2015	Consultant, Data mining and business analytics, DoubleU Games, Seoul, Korea
1996 –2016	Police Officer, Korean National Police Agency, Seoul, Korea
2011	Police Performance Management Specialist: Lieutenant, Mapo Police Station, Seoul, Korea
2005 – 2006	Policy Analyst, Information Resource Specialist and e-Government homepages, Sexual Harassment Policy Specialist, Executive Secretary for the Commissioner's wife, Headquarters of the Korean National Police Agency, Seoul, Korea
1996 – 1997	Officer in Charge: Sub-station, Criminal Investigator: Lieutenant, Guro Police Station, Seoul, Korea

HONORS AND AWARDS

2020	Public Interest Technology University Network Travel Grant ($1,000)
2019	**Best Management Paper Award**, *The 20ᵗʰ Annual International Conference on Digital Government Research*.
2015	Doctoral Colloquium (invited), The Annual International Conference on Digital Government Research ($200)
2014-5	University at Albany Graduate Student Organization Professional Development Awards for presenting research papers at two conferences ($195, $450)
2013	New York State Graduate Student Employees Union Professional Development Awards ($442)
2006	Commissioner's Award for Outstanding Work as an Information Management Specialist, Headquarters of the Korean National Police Agency, Seoul, Korea

2001 – 2004   Long-term Abroad Scholarship for Public Servants—**Granted to one national police officer per year** by the Korean government—in support of studies at the University of Tokyo, Japan ($100,000.00)

2000   Commissioner's Award for Excellence in Teaching, Police Comprehensive Academy, In-cheon Si, Korea

1998   Principle's Award for Excellence in Teaching Technique, Police Comprehensive Academy, In-cheon Si, Korea

SERVICE AND PROFESSIONAL ACTIVITIES

2021-3   Board Member for Digital Government Society

2022-3   Conference **Program Co-chair** for *the 23rd Annual International Conference on Digital Government*

2021   Faculty mentor for the Doctoral Colloquium for *the Annual International Conference on Digital Government*

2019-2021   **Chair**: The Undergraduate Sub-committee of the iDSCC (iSchool Data Science Curriculum Committee), iSchools

2020-2021   The Digital Government Society Awards Committee, Digital Government Society

2020-2021   **Chair**: Pre-Conference Workshops and Tutorials Committee for *the Annual International Conference on Digital Government*

2020-2021   **Chair**, Special Interest Group Social Media, *American Society for Information Science and Technology*

2020-2023   Core Facilities Committee, College of Arts and Sciences, University of South Florida

2017-present   Faculty Affairs Committee, School of Information, University of South Florida

2014 – present   Program Committee, International Conference on Digital Government Research

2016 – present   Reviewer–Government Information Quarterly, Information Processing and Management, Social Science and Computer Review, Journal of the Association for Information Science and Technology, International Journal of Data Science and Analytics, Social Network Analysis and Mining, PLOS ONE, American Journal of Public Health, Information Polity, International Journal of E-Planning Research, Digital Government: Research and Practice, Policy & Politics, Information and Learning Science, iConference, International Conference on

Information Systems, International Conference on Digital Government, Annual Meetings of the Association for Information Science and Technology

2014 – 2015   SIG III Mentorship coordinator, ASIS&T

2014 – 2015   Graduate Research Assistant for *Project Petition*, Collaborative and multidisciplinary research project to develop a grant proposal for National Science Foundation, SUNY Albany

2014   Doctoral Student Representative, Faculty Search Committee, Informatics Department, SUNY Albany

2012   Organizer, 8th New Trends in Computer and Information Research Conference, SUNY Albany

2004 – 2005   Assistant Policy Analyst, Mitsubishi Research Institute, Tokyo, Japan

PROFESSIONAL ASSOCIATIONS

American Society for Information Science and Technology (ASIS&T)
Association for Computing Machinery (ACM)
Korean International Cybercrime Research Group
Digital Government Society (DGO)
iConference

LANGUAGES

Japanese and English: Fluent; Korean: Native