

# **NOSHIR S. CONTRACTOR**

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#### [SELECTED UNIVERSITY SERVICE](#)

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### **EDUCATION**

Ph.D., Communication, University of Southern California, 1987.

Dissertation Title: *A Dynamic Reformulation of Perceptions of Equity: Their Organizational Antecedents and Outcomes*

M. A., Communication, University of Southern California, 1986.

B. Tech. Electrical Engineering, Indian Institute of Technology, Madras (Chennai),

### **1983. ACADEMIC APPOINTMENTS**

2007–present Jane S. & William J. White Professor of Behavioral Sciences  
Departments of Communication Studies, Industrial Engineering and  
Management Sciences, Management and Organizations, and Computer  
Science (By courtesy)  
Northwestern University

2019 - present Faculty Associate at the Institute for Policy Research

2010 - 2021 Faculty at Transportation Center  
Northwestern University

2001-2007 Professor of Speech Communication  
University of Illinois at Urbana-Champaign

1993-2001 Associate Professor of Speech Communication  
University of Illinois at Urbana-Champaign

1987-1993 Assistant Professor of Speech Communication  
University of Illinois at Urbana-Champaign

*Other Appointments at University of Illinois at Urbana-Champaign:*

- Director, Computing and Instructional Laboratories, Department of Speech Communication, 1987-2007
- Director, Team Engineering Collaboratory, Department of Speech

Communication, 1991-2007

- Faculty, Department of Psychology, 1994–2007
- Affiliate, Human Perception and Performance Group,

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Human-Computer Intelligent Interaction, Beckman Institute for Advanced Science and Technology, 2000-2007

- Beckman Associate, UIUC Center for Advanced Study, 2003-2004
- Faculty, Coordinated Science Laboratory, 2003-2007
- Director, Science of Networks in Communities (SONIC) Group, at the National Center for Supercomputing Applications, 2004-2007
- Resident Associate, UIUC Center for Advanced Study, 2005-2006
- Faculty, Graduate School of Library & Information Science, 2006-2007

## **HONORS AND AWARDS**

### **Distinguished and Career Recognition**

Executive Director, Web Science Trust, 2024-present

President, International Communication Association, 2022-2023

Fellow, Academy of Management, 2023

Fellow, Network Science Society, 2022.

Georg Simmel Award, International Network for Social Network Analysis (INSNA), 2022.

Fellow, The Association for Computing Machinery (ACM), 2019.

Fellow, American Association for the Advancement of Science (AAAS), 2019.

Lifetime Service Award, Organizational Communication and Information Systems Division, Academy of Management, 2019.

Distinguished Speaker Award, Organizational Communication and Information Systems Division, Academy of Management, 2019.

Distinguished Alumnus Award, Indian Institute of Technology, Madras, 2018.

Fellow, International Communication Association, 2015.

Distinguished Scholar Award, National Communication Association, 2014.

Outstanding Member Award, Organizational Communication Division,  
International Communication Association, 2000.

Institute Gold Medal, in recognition of outstanding overall achievement during pursuit of  
Bachelor of Technology degree, Indian Institute of Technology, Madras, India, 1983.

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### **Article and Book Awards**

Randall Harrison Outstanding Article Award (2022), Information Systems Division,  
International Communication Association

Article of the Year Award (2021), Honorable Mention, Organizational Communication  
Division, National Communication Association

Bill Eadie Distinguished Scholarly Article Award (2021), Applied Communication Division,  
National Communication Association, for "[Organizational and individual innovation  
decisions in an interorganizational system: Social influence and decision-making  
authority](#)" in *Journal of Communication*, 70(4), 497-521

Bill Eadie Distinguished Scholarly Article Award (2021), Applied Communication Division,  
National Communication Association, for "[Organizational and individual innovation  
decisions in an interorganizational system: Social influence and decision-making  
authority](#)" in *Journal of Communication*, 70(4), 497-521

Fellows Book Award (2021), International Communication Association, for [Theories of  
Communication Networks](#) (New York: Oxford University Press, 2003)

Article of the Year Award (2015), Communication Theory and Methodology Division, Association  
for Education in Journalism and Mass Communication, for "[Dynamic models of  
communication in an online friendship network](#)" in *Communication Methods and  
Measures* 8 (2014): 223-243

Outstanding Scholarly Edited Book Award (2014), Organizational Communication Division,  
National Communication Association, for "[Emergence of multidimensional social  
networks](#)" in *Handbook of Organizational Communication*, edited by Linda L. Putnam  
and Dennis Mumby (Thousand Oaks, CA: Sage, 2014), 451-474

Ernest Bormann Research Book Award (2013), Group Communication Division, National  
Communication, for "[Understanding groups from a network perspective](#)" in *Research  
methods for studying groups and teams: A Guide to approaches, tools, and technologies*,

edited by Marshall Scott Poole and Andrea Hollingshead (New York: Taylor & Francis/Routledge, 2012), 284-310

Article of the Year Award (2012), Organizational Communication Division, National Communication Association, for "[A structurational approach to the evolution of organizational networks](#)" in *Human Communication Research* 37 (2011): 404-433

Ernest Bormann Research Award (2006), Group Communication Division, National Communication Association for "[The network perspective on small groups: Theory and research](#)" in *Theories of small groups: Interdisciplinary perspectives*, edited by Marshall Scott Poole and Andrea Hollingshead (Newbury Park, CA: Sage, 2005), 277-312

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Outstanding Book Award (2003), Organizational Communication Division, National Communication Association, for [Theories of Communication Networks](#) (New York: Oxford University Press, 2003)

### **Top Paper Awards**

Top 4 Paper Award (2021), Organizational Communication Division, International Communication Association, for Gómez-Zarà, D., DeChurch, L. A., & Contractor, N. (2021, May). *Do I Know You? The Effects of Social Capital on Self-Assembled Groups*. Paper presented at the 71st Annual International Communication Association (ICA) Conference, Virtual.

Top 4 Paper Award (2020), Group Communication Division, National Communication Association, for Wang, Y., Zhang, J., Ding, Z., DeChurch, L. A., & Contractor, N. S. (2020, November). *Dynamics of processes and performance of teams using enterprise social media*. Paper presented at the 106th Annual Convention of the National Communication Association (NCA), Virtual.

Honorable Mention Award (2020) for Gómez-Zarà, D., Guo, M., DeChurch, L. A., & Contractor, N. (2020, April). [How displaying team diversity information influences preferences for heterophily](#). In *Proceedings of the 2020 ACM Conference on Human Factors in Computing Systems (CHI'20)*, Honolulu, HI.

Best Paper Award and Best Social Entrepreneurship Paper Award (2019), Entrepreneurship Division, Academy of Management, for *Where does innovation come from? Exploring the dynamic processes of organizing and managing social entrepreneurship and innovation*. Paper presented at the Academy of Management Annual Conference, Boston, MA.

Top 4 Paper Award (2017), Organizational Communication Division, International Communication Association, for Fu, J. S., Shumate, M., & Contractor, N. S. (2017, May). *Collective innovation adoption across interorganizational systems: Organizational boundary, social networks, and decision-making status*. Paper presented at the 67th

Annual Conference of the International Communication Association, San Diego, CA.

Top Paper Award (2016), for Wang, M., Huang, Y., Contractor, N., Fu, Y., & Chen, W. (2016, May). *A network approach for understanding and analyzing product co-consideration relations in engineering design*. Paper presented at the 14<sup>th</sup> International Design Conference, Cavtat-Dubrovnik, Croatia.

Top Paper Award (2015), for Murase, T., Asencio, R., McDonald, J., Poole, M. S., DeChurch, L. A., & Contractor, N. S. (2015, November). *The effect of entrainment of group processes on multiteam system effectiveness*. Paper presented at the Annual Convention of the National Communication Association (NCA), Las Vegas.

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Best Conference Poster Award (2015), for Asencio, R., Huang, Y., DeChurch, L., Contractor, N., Sawant, A., & Murase, T. (2015, July). *The MyDreamTeam builder: A recommender system for assembling & enabling effective teams*. Poster presented at the Interdisciplinary Network Conference for Group Research (INGRoup) Annual Conference, Pittsburgh, PA.

Top Paper Award (2013), for “McCusker, J. P., Shaikh, A., Contractor, N., Courtney, P., Lee, J., Morgan, G., Tatalovich, Z., Thomas, C., & L. McGuinness, D. L. (2013). *Towards next generation health data exploration: A data cube-based investigation into population statistics for tobacco IT innovation. Proceedings of the Hawaii International Conference On System Sciences (HICSS)*.

Top Paper Award (2011), for Keegan, B., Ahmed, M. A., Williams, D., Srivastava, J., & Contractor, N. (2011, June). *Sic transit gloria mundi virtuali? Promise and peril in the computational social science of clandestine organizing*, ACM Web Science Conference 2011, Koblenz, Germany.

Top 3 Paper Award (2011), Organizational Communication Division, International Communication Association, for Huang, M., Barbour, J., Su, C., & Contractor, N. S. (2010, June). *Why would you save your files in a group folder? A multilevel analysis of contextual influences on information provision to work group digital databases*. 60<sup>th</sup> Annual Conference of the International Communication Association, Singapore.

Carolyn Dexter Paper Award Finalist (2010), for Huang, M., Huang, Y., Ognyanova, K., Margolin, D., Shen, C., & Contractor, N. S. (2010, August). *The effects of diversity and repeat collaboration on team performance in distributed nanoscientist teams*, Academy of Management Annual Conference, Montreal, Canada.

Top Paper Award (2009), for Wang, J., & Contractor, N. (2009, July). *Knowledge seeking and provision in work teams across multiple knowledge areas: A network formulation to test and extend transactive memory theory*, Fourth Annual INGRoup Conference, Colorado Springs, CO.

Top 3 Paper Award (2008), for Whitbred, R., Fonti, F., Contractor, N., & Steglich, C. (2008, November). *From micro-actions to macro-structure: A structural approach to the evolution of organizational networks*. 94<sup>th</sup> Annual Convention of the National Communication Association (NCA), San Diego, CA.

Top 3 Paper Award (2000), Organizational Communication Division, International Communication Association, for Contractor, N., Wasserman, S., & Faust, K. (2000, June). *Testing multi-level, multi-theoretical hypotheses about networks in 21st century organizational forms: An analytic framework and empirical example*. International Communication Association annual convention, Acapulco, Mexico.

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Top 3 Paper Award (1998), International Communication Association, for Contractor, N. S., Whitbred, R., Fonti, F., Hyatt, A., Jones, P., & O'Keefe, B. (1998, July). *Self-organizing communication networks in organizations: Validation of a computational model using exogenous and endogenous theoretical mechanisms*. Paper presented at the meeting of the International Communication Association, Jerusalem, Israel.

Top 3 Paper Award (1997), for Hyatt, A., Contractor, N., & Jones, P. M. (1997, May). *Computational organizational network modeling: Strategies and an example*. Paper presented at the meeting of the International Communication Association, Montreal, Canada.

Top 3 Paper Award (1988), Organizational Communication Division, International Communication Association, for Eisenberg, E. M., Contractor, N. S., & Monge, P. R. (1988). *Semantic networks in organizations*. Paper presented at the Annual Conference of the International Communication Association, New Orleans, LA.

### **Software Awards**

Honorable Mention, IMS Global Consortium Learning Impact Award (2017), *Nebula*

### **Advisee Dissertation Awards**

Dissertation Committee, Sophia Fu, Winner of the 2020 Outstanding Dissertation Research, Association for Chinese Communication Studies

Dissertation Committee, Sophia Fu, Winner of the Gabriel G. Rudney Memorial Award for Outstanding Dissertation in Nonprofit and Voluntary Action Research, Association for Research on Nonprofit Organizations and Voluntary Action, 2020

Dissertation Committee, Sophia Fu, Winner of the W. Charles Redding Dissertation Award, International Communication Association, 2019

Dissertation Committee, Sophia Fu, Winner of the Gerald R. Miller Outstanding Dissertation Award, National Communication Association, 2019

Dissertation Adviser, Jacqueline Ng, Best Dissertation Award Finalist, Technology & Innovation Management Division, Academy of Management, 2019.

Dissertation Adviser, Aaron Schecter, Hackman Outstanding Dissertation Award, Interdisciplinary Network of Group Research (INGRoup), 2018.

Dissertation Committee, Sophia Fu, Winner of the Doctoral Dissertation Research Improvement Grant, Decision, Risk, and Management Sciences Division, National Science Foundation, 2017

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Dissertation Adviser, Jacqueline Ng, Finalist at the Institute for Operations Research and Management Science (INFORMS) Organization Science Dissertation Proposal Competition, 2017.

Dissertation Adviser, Alina Lungeanu, Graduate Dissertation Award, Northwestern University School of Communication, 2016.

Dissertation Adviser, Sophia Sullivan, Finalist, Alvah H. Chapman Jr. Outstanding Dissertation Award, Network of Leadership Scholars of the Academy of Management, 2015.

Dissertation Adviser, Mengxiao Zhu, Honorable Mention, Richard Hackman Dissertation Award, Interdisciplinary Network for Group Research (INGRoup), 2014.

Dissertation Adviser, Brooke Foucault-Welles, Special Mention Recognition for Dissertation, Communication & Technology Division, International Communication Association, 2013.

Dissertation Co-Adviser, David Huffaker, Winner of the Dordick Dissertation Award, Communication & Technology Division, International Communication Association, 2010.

Dissertation Adviser, Edward Palazzolo, Honorable Mention, Redding Dissertation Award Competition, Organizational Communication Division, International Communication Association, 2004.

## **PUBLICATIONS**

### **Patents**

Contractor, N., Gado, H., & Sawant, A. (2020). Systems and Methods for Automatically Identifying Specific Teams of Users to Solve Specific and Real-Time Problems. *U.S. Patent No. 10,795,896*. Evanston, IL: U.S. Patent and Trademark Office.



## Books

National Academies of Sciences, Engineering, and Medicine, Division of Behavioral and Social Sciences and Education, Board on Behavioral, Cognitive, and Sensory Sciences, & Committee on a Decadal Survey of Social and Behavioral Sciences for Applications to National Security. (2019). [\*A Decadal Survey of the Social and Behavioral Sciences: A Research Agenda for Advancing Intelligence Analysis\*](#). National Academies Press.

Ahmad, M. A., Shen, C., Srivastava, J., and Contractor, N. S. (Eds.). (2014). [\*Predicting real world behaviors from virtual worlds data\*](#). Cham: Springer International Publishing.

O'Hara, K., Contractor, N. S., Hall, W., Hendler, J. A., & Shadbolt, N. (2013). [\*Web Science: Understanding the emergence of macro-level features on the World Wide Web\*](#). *Now Foundations and Trends®*, 4(2-3), 103-267. [doi:10.1561/1800000017](#)

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Steinfeld, C., Pentland, B. T., Ackerman, M., & Contractor, N. (Eds.) (2007). *Communities and Technologies 2007*. Proceedings of the Third Communities and Technologies Conference, London: Springer London.

Monge, P. R., & Contractor, N. (2003). [\*Theories of communication networks\*](#). New York: Oxford University Press.

## Refereed Journal Articles

Lane, J. N., Leonardi, P. M., Contractor, N. S., & DeChurch, L. A. (2023). [\*Teams in the Digital Workplace: Technology's Role for Communication, Collaboration, and Performance\*](#). *Small Group Research*, 0(0).

Harris-Watson, A. M., Larson, L. E., Lauharatanahirun, N., DeChurch, L. A., & Contractor, N. S. (2023). [\*Social Perception in Human-AI Teams: Warmth and competence predict receptivity to AI teammates\*](#). *Computers in Human Behavior*, 107765.

Sha, Z., Cui, Y., Xiao, Y., Xiao, Y., Stathopoulos, A., Contractor, N., Du, Y., & Chen, W. (2023). [\*A network-based discrete choice model for decision-based design\*](#). *Design Science*, 9, e7.

Lungeanu, A., Whalen, R., Wu, Y. J., DeChurch, L. A., & Contractor, N. S. (2022). [\*Diversity, networks, and innovation: A text analytic approach to measuring expertise diversity\*](#). *Network Science*, 1-29. [doi:10.1017/nws.2022.34](#)

Schechter, A., Hohenstein, J., Larson, L., Harris, A., Hou, T. Y., Lee, W. Y., ... & Jung, M. (2023). [Vero: An accessible method for studying human–AI teamwork](#). *Computers in Human Behavior*, *141*, 107606.

Gómez-Zará, D., Das, A., Pawlow, B., & Contractor, N. (2022). [In search of diverse and connected teams: A computational approach to assemble diverse teams based on members' social networks](#). *PLoS one*, *17*(11), e0276061.

Lungeanu, A., Mesmer-Magnus, J. R., Niler, A. A., DeChurch, L. A., & Contractor, N. S. (2022). Organizing for Mars: A Task Management Perspective on Work within Spaceflight Multiteam Systems. *Human Factors*, 00187208221129939.

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Hsieh, K. Y., Xiao, P., Contractor, N., & Wang, L. (2022). [Online community's recognition and continued participation in idea competitions](#). *Decision Sciences*.  
<https://doi.org/10.1111/dec.12578>

Peters, E., Boyd, P., Cameron, L. D., Contractor, N., Diefenbach, M. A., Fleszar-Pavlovic, S., ... & Stephens, K. K. (2022). [Evidence-based recommendations for communicating the impacts of climate change on health](#). *Translational Behavioral Medicine*, *12*(4), 543-553.

Lungeanu, A., DeChurch, L. A., & Contractor, N. S. (2022). [Leading teams over time through space: Computational experiments on leadership network archetypes](#). *The Leadership Quarterly*, 101595. <https://doi.org/https://doi.org/10.1016/j.leaqua.2021.101595>

Cui, Y., Ahmed, F., Sha, Z., Wang, L., Fu, Y., Contractor, N., & Chen, W. (2022). [A Weighted Statistical Network Modeling Approach to Product Competition Analysis](#). *Complexity*, 2022.

Rager, S., Leung, A., Pinegar, S., Mangels, J., Poole, M. S., & Contractor, N. (2021). [Groups, governance, and greed: The Access World Model](#). *Computational and Mathematical Organization Theory*. <https://doi.org/10.1007/s10588-021-09352-x>

Das, A., Gómez-Zará, D., & Contractor, N. (2021). [Forming diverse teams based on members' social networks: A genetic algorithm approach](#). *Studies in Computational Intelligence*, 346–357. [https://doi.org/10.1007/978-3-030-65351-4\\_28](https://doi.org/10.1007/978-3-030-65351-4_28)

Kaven, E., Kaven, I., Gómez-Zar4, D., DeChurch, L., & Contractor, N. (2021). [Assessing how team task influences team assembly through network analysis](#). *Studies in Computational Intelligence*, 322–334. [https://doi.org/10.1007/978-3-030-65351-4\\_26](https://doi.org/10.1007/978-3-030-65351-4_26)

Wu, Y. J., Antone, B., Srinivas, A., DeChurch, L., & Contractor, N. (2021). [Teamwork in the time of COVID-19: Creating, dissolving, and reactivating network ties in response to a crisis](#). *Journal of Applied Psychology*, 106(10), 1483–1492. <https://doi.org/10.1037/apl0000969>

Gomez-Zara, D., DeChurch, L. A., & Contractor, N. (2021). Do I know you? The effects of social capital on self-assembled groups. In *Academy of Management Proceedings* (Vol. 2021, No. 1, p. 14637). Briarcliff Manor, NY 10510: Academy of Management.

Wagner, C., Strohmaier, M., Olteanu, A., Kiciman, E., Contractor, N. & Eliassi-Rad, T. (2021). [Measuring algorithmically infused societies](#). *Nature* (2021). doi:10.1038/s41586-021-03666-1

Lungeanu, A., McKnight, M., Negron, R., Munar, W., Christakis, N. A., & Contractor, N. S. (2021).

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[Using Trellis software to enhance high-quality large-scale network data collection in the field](#). *Social Networks*, 66:171-184. doi:10.1016/j.socnet.2021.02.007

Birkett, M., Melville, J., Janulis, P., Phillips, G., Contractor, N., & Hogan, B. (2021). [Network Canvas: Key decisions in the design of an interviewer-assisted network data collection software suite](#). *Social Networks*, 66:114-124. doi: 10.1016/j.socnet.2021.02.003

Schechter, A., Nohadani, O., Contractor, N. (2021). [A Robust Inference Method for Decision Making in Networks](#). *Management Information Systems Quarterly*, 46(2), 713-738.

Bi, Y., Qiu, Y., Sha, Z., Wang, M., Fu, Y., Contractor, N., & Chen, W. (2021). [Modeling Multi-Year Customers' Considerations and Choices in China's Auto Market Using Two-Stage Bipartite Network Analysis](#). *Networks and Spatial Economics*, 21, 365-385, doi:10.1007/s11067-021-09526-9

Niler, A. A., Mesmer-Magnus, J. R., Larson, L. E., Plummer, G., DeChurch, L. A., & Contractor, N. S. (2020). [Conditioning team cognition: A meta-analysis](#). *Organizational Psychology Review*, 11(2):144-174. doi.org/10.1177/2041386620972112

Cedeno-Mieles, V., Hu, Z., Ren, Y., Deng, X., Contractor, N., Ekanayake, S., Epstein, J. M., Goode, B. J., Korkmaz, G., Ramakrishnan, C N., Saraf, P., & Self, N. (2020). [Data analysis and](#)

[modeling pipelines for controlled networked social science experiments](#). *PLoS ONE*, 15(11). doi: [10.1371/journal.pone.0242453](https://doi.org/10.1371/journal.pone.0242453)

Whalen, R., Lungeanu, A., DeChurch, L. A., & Contractor N. (2020). [Patent Similarity data and innovation metrics](#). *Journal of Empirical Legal Studies*, 17(3), 615-639. doi: [10.1111/jels.12261](https://doi.org/10.1111/jels.12261)

Lazer, D. M. J., Pentland, A., Watts, D. J., Aral, S., Athey, S., Contractor, N., Freelon, D., Gonzalez-Bailon, S., King, G., Margetts, H., Nelson, A., Salganik, M. J., Strohmaier, M., Vespignani, A., & Wagner, C. (2020). [Computational social science: Obstacles and opportunities](#). *Science*, 369(6507), 1060–1062. doi: [10.1126/science.aaz8170](https://doi.org/10.1126/science.aaz8170)

Fu, J. S., Shumate, M., & Contractor, N. (2020). [Organizational and individual innovation decisions in an interorganizational system: Social influence and decision-making authority](#). *Journal of Communication*, 70(4), 497-521. doi.org/[10.1093/joc/jqaa018](https://doi.org/10.1093/joc/jqaa018)

Xie, J., Bi, Y., Sha, Z., Wang, M., Fu, Y., Contractor, N., Gong, L. & Chen, W. (2020). [Data-Driven Dynamic Network Modeling for Analyzing the Evolution of Product Competitions](#). *Journal of Mechanical Design*, 142(3): 031112. doi.org/[10.1115/1.4045687](https://doi.org/10.1115/1.4045687)

Mell, J. N., DeChurch, L. A., Contractor, N., & Leenders, R. (2020). [Identity asymmetries: An experimental investigation of social identity and information exchange in multiteam systems](#). *Academy of Management Journal*, 63(5), 1561-1590. doi:

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[10.5465/amj.2018.0325](https://doi.org/10.5465/amj.2018.0325)

Cedeno-Mieles, V., Hu, Z., Ren, Y., Deng, X., Adiga, A., Barrett, C., Contractor, N., Ekanayake, S., Epstein, J. M., Goode, B. J., Korkmaz, G., Kuhlman, C. J., Machi, D., Macy, M. W., Marathe, M. V., Ramakrishnan, N., Ravi, S. S., Saraf, P., & Self, N. (2020). [Networked experiments and modeling for producing collective identity in a group of human subjects using an iterative abduction framework](#). *Social Network Analysis and Mining*, 10(1), 11. <https://doi.org/10.1007/s13278-019-0620-8>

Contractor, N. (2020). On Writing in Communication and Media Studies | [A “Modest Proposal” on Writing That Is Not Modest Enough](#). *International Journal Of Communication*, 14, 4. <https://ijoc.org/index.php/ijoc/article/view/13987/2921>

Hogan, B., Janulis, P., Phillips II, G., Melville, J., Mustanski, B., Contractor, N., & Birkett, M.(2019). [Assessing the stability of ego-centered networks over time using the digital participant-aided sociogram tool Network Canvas](#). *Network Science*, 1-19. doi: [10.1017/nws.2019.27](https://doi.org/10.1017/nws.2019.27)

Hilbert, M., Barnett, G., Blumenstock, J., Contractor, N., Diesner, J., Frey, S., González-Bailón, S., Lamberson, P.J., Pan, J., Peng, T. W., Shen, C. C., Smaldino, P. E., Atteveldt, W. V., Waldher, A.,

Zhang, J., Zhu, J. J. H. (2019). [Computational communication science: A methodological catalyzer for a maturing discipline](#). *International Journal of Communication*, 13(0), 23.  
<https://ijoc.org/index.php/ijoc/article/view/10675>

Larson, L., Wojcik, H., Gokhman, I., DeChurch, L., Bell, S., & Contractor, N. (2019). [Team performance in space crews: Houston, we have a teamwork problem](#). *Acta Astronautica*, 161, 108–114. doi: 10.1016/j.actaastro.2019.04.052

Kim, M. J., Lee, C., & Contractor, N. S. (2019). [Seniors' usage of mobile social network sites: Applying theories of innovation diffusion and uses and gratifications](#). *Computers in Human Behavior*, 90, 60-73. doi:10.1016/j.chb.2018.08.046

Gómez-Zará, D., Andreoli, S., DeChurch, L. A., & Contractor, N. S. (2019). [Descubriendo colaboradores en línea: Formando equipos interdisciplinarios en una universidad argentina](#). *Cuadernos.info*, 0(44), 21–41

Mukherjee, S., Huang, Y., Neidhardt, J., Uzzi, B., Contractor, N., (2019). [Prior shared success predicts victory in team competitions](#). *Nature Human Behaviour*, 3, 74-81.  
doi:10.1038/s41562-018-0460-y

Leonardi, P., & Contractor, N. S. (2018, Nov-Dec). [Better people analytics: Measure who they know, not just who they are](#). *Harvard Business Review*, 70–81.  
<https://hbr.org/2018/11/better-people-analytics#comment-section>

Lungeanu, A., Carter, S. R., DeChurch, L. A., & Contractor, N. S. (2018). [How team interlock](#)

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[ecosystems shape the assembly of scientific teams: A hypergraph approach](#). *Communication Methods and Measures*, 12(2-3), 174-198.  
doi:10.1080/19312458.2018.1430756

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## **CURRENTLY FUNDED RESEARCH**

Government of India: *Center of Excellence in Sports Analytics, IIT Madras* (2021-2026, \$485,000). Co-Principal Investigator.

National Aeronautics and Space Administration: NASA TEAMSTaR: Composing Teams with TEAMSTaR: Tool for Evaluating And Mitigating Space Team Risk (2021-2024, \$1,200,000). Award number 80NSSC21K0925. Principal Investigator

National Science Foundation: *Towards a unified theory of regulatory functions and networks across biological and social systems* (2021-2024, \$1,239,819.00). Unfunded Collaborator.

National Science Foundation: *The Next Normal for Teaming: Transitioning Out of COVID-19* (2021-2024, \$600,000). Principal Investigator

National Science Foundation: *Natural experiments with online games: Support, impact and mitigation during the Covid-19 Pandemic* (2020-2021, \$196,800). Consultant

National Science Foundation: *Teaming in the Time of Covid-19: Understanding how technology affordances can enable collaboration during sudden workplace disruption* (2020-2021, \$120,000). Award Number SES-2027572 and SES-2052366. Principal Investigator

National Aeronautics and Space Administration: *Measuring and Predicting Performance for Individuals Teams and Systems in Interdependent Crew Tasks MAPPITS ICT* (2020-2021, \$30,000). Principal Investigator

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National Aeronautics and Space Administration: *Prescriptions Optimally Learned Assessing Risk in Space* (2020-2021, \$30,000). Principal Investigator

National Institutes of Health: *Simulation Modeling to Understand and Address HIV Disparities in Racial Ethnic and Sexual Minority Populations* (2020-2023, \$1,614,060). Award Number 1R01MD014703-01A1. Co-Principal Investigator

National Science Foundation: *Collaborative Research: A Hierarchical Multidimensional Network-based Approach for Multi-Competitor Product Design* (2020-2023, \$484,538). Award number CMMI-2005661. Co-Principal Investigator

Defense Advanced Research Projects Agency (DARPA) (via Smart Information Flow Technologies): *SCHNEIDER: System for Counterfactual Human Network Evaluation of Individual Differences, Errors, and Residuals*. (2019-2020, \$159,932). Principal Investigator.

Army Research Laboratory: *Macro Signatures of Success in Human Autonomy Teams*. (2019-2021, \$1,500,000). Principal Investigator.

National Institutes of Health: *SCISIPBIO: Understanding And Assembling Dream Teams to Conduct Clinical and Translational Science*. (2019-2022, \$997,132). Award UL1RR024146-06S2 and UL1RR025741. Co-Principal Investigator.

National Science Foundation: *Safe Bets and Risky Propositions Leveraging Rich data to Understand Scientific Diversity, Impact, and Potential of Teams*. (2019-2022, \$699,990). Award number SMA-1856090. Principal Investigator.

Army Research Laboratory: *Wearable Devices for Monitoring Social Networks*. (2019-2021, \$750,000). Award number W911NF1920088. Co-Investigator.

National Science Foundation: *Workshop on Human Technology Partnerships and the Changing Nature of Work*. (2019-2020, \$50,000). Principal Investigator.

Army Research Laboratory: *The Signatures of Success in Human-Agent Teams*. (2019-2020,

\$139,061). Award number W911NF1920140. Principal Investigator.

Facebook, Inc: *Isolation and Social Media in - and out of- This World*. (2019-2020, \$50,000).  
Co-Principal Investigator

National Aeronautics and Space Administration (subcontract from University of Georgia):  
*FUSION: Facilitating Unified Systems of Interdependent Organizational Networks*.  
(2018-2021, \$308,049). Co-Investigator.

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Defense Advanced Research Projects Agency (DARPA) (via Virginia Polytechnic Institute and  
State University): *BUZZ: Scalable, Interactive Simulations of Online Social Behavior*.  
(2017-2021, \$319,986). Principal Investigator

Defense Advanced Research Projects Agency (DARPA) (via Raytheon BBN Technologies): *ACCESS  
– Agent-based Causal simulator with Cognitive, Environmental, and Social System  
factors*.  
(2017-2020, \$302,162). Principal Investigator.

National Institutes of Health (subcontract from University of California, Los Angeles): *Team  
Dynamics, Networks, and Assembly (Team DNA)*. (2016-2021, \$525,247). Award number  
1R01GM112938-01. Co-Investigator.

National Institutes of Health: *netCanvas: Development, Hardening, and Dissemination of a  
Software Suite for the Collection of Complex Network and Contextual Data in HIV and  
Drug Research*. (2016-2021, \$3,012,132). Award number R01DA042711. Co-Principal  
Investigator.

National Aeronautics and Space Administration: *SCALE: Shared Cognitive Architectures for  
Long-term Exploration*. (2015-2021, NNX15AM26G, \$1,682,829). Award number  
NNX15AM26G. Co-Principal Investigator.

National Aeronautics and Space Administration: *CREWS: Crew Recommender for Effective Work  
in Space*. (2015-2020, NNX15AM32G, \$1.05 million). Award number NNX15AM32G.  
Principal Investigator.

National Aeronautics and Space Administration: *Team Task Switching in Astronaut Crews on the  
International Space Station: Integrating Multiteam Membership, Multiteam Systems,  
Multitasking & Multidimensional Networks to Monitor & Enable Functional Work Shifts  
in Astronaut Crews*. (2015-2020, NNX15AK73G, \$1.05 million). Award number  
NNX15AK73G. Co-Principal Investigator.

National Institutes of Health: *Multilevel Influences on HIV and Substance use in a YMSM (young men who sleep with men) Cohort - RADAR*. (2014-2020, 1U01DA036939-01, \$8,697,386). Award number 1U01DA036939-01. Co-Investigator.

## PREVIOUSLY FUNDED RESEARCH

National Aeronautics and Space Administration: *A US-Russian Collaborative Proposal for Data Collection in HERA: The Relationship between Composition, Interpersonal Relations, and Team Effectiveness in Space Crews*. (2016-2019, \$399,989). Co-Principal Investigator.

Army Research Office: *ANN SONIC NICO Workshop on Brain Science and Social Networks*. (2018-2019, \$15,000). Principal Investigator.

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Bill & Melinda Gates Foundation: *Novel Approaches to Measuring Demand-side Community Perceptions and Barriers to Family Planning via Social Network Analysis in Kenya* (2015-2018, OPP1135005, \$136,803). Co-Principal Investigator.

National Science Foundation: *CHS: Medium: Collaborative Research: Understanding Online Creative Collaboration over Multidimensional Networks*. (2015-2018, IIS-1514427, \$374,619). Principal Investigator.

Northwestern University Office of the Provost: *Creating Your Dream Team: Using Technology to Form Effective Project Design in STEM (MDT)*. (2017-2018, \$49,988). Principal Investigator.

National Institutes of Health: *Modeling Scientific Workforce Dynamics Using Social Network Analysis*. (2015-2018, U01GM112623-01, \$1.5 million). Co-Principal Investigator.

Army Research Laboratory (subcontract from BBN Technologies): *Integrated Research Center for Network Sciences Collaborative Technology Alliance* (2009-2018, cooperative agreement number W911NF-09-2-0053, \$628,905). Principal Investigator.

National Institutes of Health via UCLA: *Team DNA*. (2016-2017, 1R01GM112938-01, \$122,099.00). Co-Principal Investigator.

National Institutes of Health – National Institute on Drug Abuse (NIDA): *NetCanvas: Development, Hardening, and Dissemination of a Software Suite for the Collection of Complex Network and Contextual Data in HIV and Drug Research* (2016-2017, R01DA042711). Co-Principal Investigator.

Northwestern University Office of the Provost: *Fostering Effective Online Discussion in Higher Education With 'Nebula,' a Graphical Interface for Discussion Boards*. (2016-2017, \$36,980). Co-Principal Investigator.

Army Research Office: *Socio-Cognitive Networks: Theory & Data Driven Approaches for Understanding the Assembly and Interaction Networks of High Performance Teams*. (2014-2017, W911NF-14-1-0686, \$45,187). Principal Investigator.

National Science Foundation: *Multidimensional Network Analysis for Analyzing and Predicting Complex Customer-Product Relations in Engineering Design*. (2014-2017, CMMI-1436658, \$501,444). Co-Principal Investigator.

National Institutes of Health, National Center for Research Resources: *Annual Science of Team Science Conference* (2011-2017, 5R13TR000046-04, \$50,000). Award number: 1R01GM137410-01. Principal Investigator.

DARPA via Virginia Polytechnic Institute and State University: *Montage: Capturing Collective*

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*Identity through Multidisciplinary Modeling and Experimentation* (2016-2018, D17AC00003 01, \$43,658). Co-Principal Investigator.

The National Institutes of Health's National Center for Advancing Translational Sciences (2015-2017, TL1TR001423). Member, NUCATS TL1 Executive Leadership Committee.

National Institutes of Health/NHRR: *Northwestern University Clinical and Translational Sciences Institute (NUCATS)* (2008-2016, \$705,711). Subcontract from Feinberg School of Medicine. Investigator.

National Research Foundation of Korea: *Effects of Intrinsic and Extrinsic Motivation on Flow Experience of Social Network Sites for Seniors and the Moderating Role of Anxiety Attachment*. (2015-2016, NRF-2015S1A5A2A03049328, \$57,005,000 Korean Won). Co-Principal Investigator.

National Science Foundation: *SCC-SBE: Research Coordination Network on Leveraging Computational Social Science for Understanding Virtual Organizations* (2012-2015, OCI-1244747, \$484,971). Principal Investigator.

Army Research Institute: *The Coevolution of Multi-Dimensional Dynamic Networks of Multi-Team Systems Related to Organization Effectiveness: Theory Development and Empirical Tests* (2012-2015, W5J9CQ-12-C-007, \$847,050). Co-Principal Investigator.

National Science Foundation: *SoCS: Leveraging Shared Social Interest in a Content Centric Internet* (2012-2015, CNS-1211375, \$750,000). Co-Principal Investigator.

National Science Foundation: *NetSE: Large: Collaborative Research: Contagion in Large Socio-communication Networks* (2010-2015, CNS-1010904, \$474,711) Principal Investigator.

Virginia Polytechnic Institute and National Institute of General Medical Sciences Prime (Eubank): *Synthetic Information Systems for Better Informing Public Health Policymakers* (2011-2015, 2U01GM070694-09, \$16,780). Investigator.

Bill & Melinda Gates Foundation: *Knowledge Networks for Scaling Up Impact* (2013-2014, 21640 & 1084322, \$997,539). Principal Investigator.

National Science Foundation: *EAGER: Collaborative Research: FLASH! Fueling Learning Alliance in Sustainability in Higher Education: Using social media and networks for science* (2012-2014, 1241324, \$141,944). Principal Investigator.

National Science Foundation: *EAGER: Collaborative Research: Some assembly required: Understanding the Emergence of Teams and Ecosystems of Teams* (2012-2014, 1249137, \$123,847). Principal Investigator.

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National Science Foundation: *CDI-Type II: Collaborative Research: Groupscope: Instrumenting Research on Interaction Networks in Complex Social Contexts* (2010-2014, BCS-0940851, \$252,518) Principal Investigator.

National Science Foundation: *Collaborative Research: Coupled Models of Diffusion and Individual Behavior over Extremely Large Social Networks* (2009-2014, 0904356, \$267,201) Principal Investigator.

Army Research Laboratory (subcontract from University of Illinois Urbana-Champaign): *Information Network Academic Research Center: An Integrated Approach towards Information Integration, Modeling, Retrieval, and Discovery* (2009-2014, \$650,002) Investigator with Principal Investigator Jiawei Han.

National Science Foundation: *RAPID: Collaborative Research: 3dWomen: Exploring Three Decades of Women's Groups in Sustainable Development and the Impact of Social Media on Women's Professional Networks* (2012-2013, 1240008, \$98,360). Principal Investigator.

National Institute of Health and National Center for Research Resources: *Multidisciplinary Clinical and Translational Science (MCTS) Program (supplement)* (2011-2013, 5UL1RR025741-04S3 Greenland, \$200,000). Principal Investigator.

Air Force Research Laboratory (subaward from University of Southern California): *The Virtual World Observatory: Identifying Real World (RW) Characteristics from Virtual Behavior* (2009-2013, contract FA8650-10-C-7010, \$513,836) Investigator with Principal Investigator Dmitri Williams.

Oncofertility Consortium through the National Institute of Health (2011). *Oncofertility: The*

*Fertility Preservation for Women* (NIH: 5UL1DE019587), Evaluation Committee.

National Science Foundation: Supplement to *Social Networking Tools to Enable Collaboration in the Tobacco Surveillance, Epidemiology, and Evaluation Network (TSEEN)* (2010-2011, IIS- 0535214, \$150,000). Principal Investigator.

National Science Foundation: *VOSS: Understanding and Enabling Network Dynamics in Virtual Communities* (2008-2012, IIS-0838564, \$299,269) Co-Principal Investigator, collaborative proposal with Brian Uzzi and Luis Amaral (Northwestern University), and Peter Monge (University of Southern California).

National Science Foundation: *DHB Virtual Worlds: An Exploratorium for Theorizing and Modeling the Dynamics of Group Behavior* (2007-2012, IIS-0841483, \$620,755) Principal Investigator on collaborative proposal with Scott Poole (University of Illinois at Urbana-Champaign), Jaideep Srivastava (University of Minnesota) and Dmitri Williams (University of Southern California).

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Global Philanthropy Project: *Understanding and Enabling Networks to Advance the Chicago Climate Action Plan (CCAP)* (2009-2011, \$100,000) Principal Investigator.

The John D. and Catherine T. MacArthur Foundation: *Mapping, Understanding and Enabling the Digital Media Learning (DML) Knowledge Networks: An Exploratory Investigation* (2007-2011, \$140,000) Principal Investigator.

National Science Foundation: *Collaborative Research: Social Networking Tools to Enable Collaboration in the Tobacco Surveillance Epidemiology, and Evaluation Network (TSEEN)* (2007-2010, 0836262, \$575,624) Principal Investigator.

Army Research Institute: *Virtual World Exploratorium* (2008-2010, W91WAW-08-C-0106/P00004, \$923,156) Principal Investigator with Scott Poole (University of Illinois), Jaideep Srivastava (University of Minnesota), and Dmitri Williams (University of Southern California).

National Cancer Institute (subcontract from University of Texas Health Science Center, San Antonio TX): *Analysis, Visualization & Interpretation of the Redes en Accion Cancer Network* (2007-2010, \$166,226) Principal Investigator.

National Science Foundation: *CRI: IAD – A Pressing Need for Observation, Facilitation and Computer Support of Group Interactions for Advancing United States National Priorities – Homeland Security and Economic* (2007-2010, 0709249).

National Science Foundation, ITR: *IT-Based Collaboration Framework for Preparing Against, Responding to, and Recovering from Disasters Involving Critical Physical Infrastructures*, (2004-2010, 0427089, \$2,370,000) Co-Principal Investigator in collaboration with Professors



Feniosky Pena-Mora, Gene E. Robinson, and Indranil Gupta (University of Illinois Urbana-Champaign), and Andrea Hollingshead (University of Southern California).

National Cancer Institute: *Population Sciences Grid* (2008-2009, 0836262, \$75,000).

National Science Foundation (subcontract from Purdue University): *Network Recommender System for nanoHUB* (2008-2009, \$50,000).

National Institute of Health (subcontract from University of Texas San Antonio): *Mapping, Understanding and Enabling the Redes en Accion Latino Cancer Network* (2007-2008, \$56,000) Principal Investigator.

National Science Foundation: *C-IKNOW Cyberinfrastructure Tools to Enable Knowledge Network Discovery, Diagnosis and Design* (2007-2009, 0753047, \$199,619) Principal Investigator.

National Science Foundation: *Collaborative Research: DHB Virtual Worlds: An Exploratorium for Theorizing and Modeling the Dynamics of Group Behavior* (2007-2008, 0729505).

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National Science Foundation: *Social Networking Tools to Enable Collaboration in the Tobacco Surveillance, Epidemiology, and Evaluation Network (TSEEN)* (2005-2008, IIS- 0535214, \$808,089). Principal Investigator on collaborative proposal with Katy Börner (Indiana University), Tom Finholt (University of Michigan), and Gary Giovino (Roswell Park Cancer Center, Buffalo, NY).

National Cancer Institute (supplement from NCI to NSF): *Tobacco Informatics Grid (TobIG): Development of Prototype to Demonstrate Distributed Collaboration and Data Analysis within the Tobacco Research Community* (2006-2007, IIS-0535214, \$400,000) Principal Investigator.

National Center for Supercomputing Applications: *GroupScope: Instrumenting Research on Interaction of Individuals in Complex Settings* (2006-2007, \$69,347) Principal Investigator on team including Marshall Scott Poole, Feniosky Pena-Mora, Klara Nahrstedt, David Forsyth, and Margaret Fleck.

National Science Foundation: *Collaborative Research: Mapping and Analyzing Emergent Multiorganizational networks in the Hurricane Katrina Response* (2006-2007, SBE-0555115, \$140,000) Principal Investigator on collaborative proposal with Carter Butts (University of California, Irvine).

National Science Foundation: *Instrumenting behaviors and attitudes in virtual worlds* (2006-2007, IIS 0628036, \$155,851) Co-Principal Investigator on collaborative proposal with Dmitri Williams (University of Illinois at Urbana-Champaign) and Dan Hunter (University of Pennsylvania).

National Cancer Institute (subcontract from Battelle Memorial Institute): *Socio-technical Specifications for the Design of a Cyberinfrastructure for a Tobacco Control Informatics Grid* (2005-2006, \$50,000).

National Science Foundation, Workshop on: *The Role of Social Network Research in Enabling Cyberinfrastructure and the Role of Cyberinfrastructure in Enabling Social Network* held November 3-5, 2005 at the National Center for Supercomputing Applications, University of Illinois at Urbana-Champaign, (2005-2006, SCI-0533892 , \$50,000) Principal Investigator with Co-Principal Investigator Katy Börner (Indiana University).

National Science Foundation: *2006 International Workshop and Conference on Network Science*, held May 2006 at Indiana University, Bloomington, IN. (2005-2007, SES-0532387, \$77,714) Co-Principal Investigator with Laszlo Barabasi (University of Notre Dame), Katy Börner, Alex Vespignani, and Stan Wasserman (Indiana University).

Rockefeller Foundation: *Mapping cultural and network assets in three Chicago communities* (2005, CC 035, \$100,000) Principal Investigator in collaboration with Dr. Alaka Wali (Field Museum, Chicago).

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University of Illinois Food Security Initiative: *A Social Network Perspective to Analyze Food Security* (2003-2005, \$60,000) Principal Investigator.

National Science Foundation: *Digital Government: Workshop on US-Hungarian Research Collaborations to Address the Challenges of 21st Century Society*. (2003-2005, 0341928, \$97,702) Principal Investigator on collaborative proposal with Anthony Stefanidis (University of Maine).

University of Illinois Silicon, Carbon, Culture Initiative: *Walking through Knowledge Networks* (2003, \$30,000) Principal Investigator on collaborative proposal with Professors Narendra Ahuja and Michael Twidale.

National Science Foundation: *SGER: Knowledge Networks and Emerging Heterarchies in Rebuilding New York* (2002-2003, 0233449, \$42,908) Principal Investigator on collaborative proposal with David Stark (Columbia University).

National Aeronautics and Space Administration: *Modeling 21st Century Project Teams: Integrating Workflow and Knowledge Network Models of Organizing* (2002-2003, No. 02-NASA-C-1513, \$100,000) Principal Investigator on collaborative proposal with Ray Levitt (Stanford University).

European Union Information Society & Technology Program (subcontract from LUISS University, Rome): *Developing web-based knowledge asset mapping tools to study the use of communication technologies in organizations* (2002-2003, €7000) Principal Investigator.

Center for Human Resource Management: *Using Technologies to Support and Enhance Organizational Knowledge Networks* (2002-2003, \$10,000) Principal Investigator with Andrea Hollingshead.

Hewlett Packard Mobile Initiative Grant Program: *Using mobile technologies* (2001-2002, \$140,760) Investigator with Principal Investigator Win-Mei W. Hwu.

National Science Foundation: *Co-evolution of Knowledge Networks and 21st Century Organizational Forms: Computational Modeling and Empirical Testing* (1999-2003, 9980109, \$1,500,000) Principal Investigator.

UIUC Chief Information Officer: Multi-university course on Communication Technologies and New Forms of Organizing, (1999-2000, \$10,000) Principal Investigator.

UIUC Educational Technologies Board: *Virtual Digital Portfolio* (1998-1999, \$6,000) Principal Investigator.

Committee on Institutional Cooperation: *A Curriculum in Communication and the Global Workplace* (1998-1999, \$10,000) Principal Investigator.

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Steelcase, Inc.: *The Effects of Cooperative and Competitive Physical Environments and Communication on Negotiation Outcomes in Ultimatum and Communication Games* (1996-1998, \$96,586) Consultant with Principal Investigators: Peter Monge, Janet Fulk, and Arthur Baskin.

National Science Foundation: *The Sustainable Management of Civil Infrastructure: A Methodology and Testbed to Bridge Information Technology and Application* (1994-1999, ECS-9422730, \$1,268,403) Co-Principal Investigator.

Advanced Learning Technologies in Higher Education, University of Illinois: *A Curriculum in Organizational Communication and Technology Applications of Advanced Collaboration Tools to Support Cooperative Learning and Shared Instruction in Communication Studies*, (1997, \$52,600) Principal Investigator with Barbara O'Keefe.

National Center for Supercomputing Applications, Software Development Group: *Development of a Collaboration Workbench for the NCSA Software Development Group* (1996-1997, \$49,722) Principal Investigator with Barbara O'Keefe and Patricia Jones.

Machine Tool Agile Manufacturing Research Institute: *Evaluation of a virtual organization* (1996-1997, \$35,000) Principal Investigator with Barbara O'Keefe and Patricia Jones.

Annenberg Center for Communication: *Interactive Communication and Computing for Virtual Work Communities* (1995-1997, \$160,970) Co-Principal Investigator.

UIUC Educational Technologies Board: *Support for Asynchronous Learning Networks in Speech Communication* (1995-1996, \$5,540) Co-Principal Investigator.

Sloan Center for Asynchronous Learning Environments: *Collaboration Support for Senior Design Teams in Engineering*, (1995-1996, \$56,202) Principal Investigator with Peter DeLisle, Elizabeth Faye, Barbara O'Keefe.

U.S. Department of Education: *Adaptive Network Library Interface* (1991, R197D10033, \$6,000) Co-Principal Investigator.

Apple Computer's Advanced Technology Group: *Modeling the Use of Groupware as a Self-organizing System* (1990, \$205,000) Principal Investigator.

## KEYNOTE ADDRESSES AND DISTINGUISHED LECTURES

### 2023

Contractor, N. (April 25, 2023) People Analytics: Using Digital Exhaust to Leverage Network Insights in the Algorithmically Infused Workplace. *Distinguished lecture at Hong Kong Baptist University Department of Computer Science*, Virtual.

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Contractor, N. (March 17, 2023) Workshop on Web Science for Development. *Keynote speaker at International Institute of Information Technology Bangalore Workshop on Web Science for Development*, Bengaluru, India.

Contractor, N. (February 15, 2023) People Analytics: Using Digital Exhaust to Leverage Network Insights in the Algorithmically Infused Workplace. *Distinguished lecture at Stanford University Organizational Behavior Seminar*, Stanford, CA.

Contractor, N. (February 10, 2023) People Analytics: Using Digital Exhaust from the Web to Leverage Network Insights in the Algorithmically Infused Workplace. *Keynote talk at the International School and Conference on Network Science*, Buenos Aires, Argentina.

### 2021

Contractor, N. (October 22, 2021) Reimagining Theories and Methods to Understand and Enable the Algorithmically Infused Changing Nature of Work. *Distinguished lecture at the Shanghai Jiao Tong University*, Virtual.

Contractor, N. (August 30, 2021) Reimagining Theories and Methods to Understand and Enable the Algorithmically Infused Changing Nature of Work. *Distinguished lecture at the Seoul National University International Scholars Seminar Series*, Virtual.

Contractor, N. (August 24, 2021). Reimagining Theories and Methods to Understand and Enable the Algorithmically Infused Changing Nature of Work. *Keynote address at the National University of Singapore Global Research Forum 2021*, Virtual.

Contractor, N. (May 29, 2021). People Analytics: Using Digital Exhaust from the Web to Leverage Network Insights in the Workplace. *Keynote address at the 1st Workshop on Computational Methods in Social Sciences (The 71st ICA Annual Conference Regional Hub - China)*, Virtual.

Contractor, N. (May 20, 2021). Designing and Keeping Great Teams: Lessons from Preparing for Mars - What can PLM Professionals Learn from This? *Keynote address at the PLM Road Map & PDT Spring 2021*, Virtual.

Contractor, N. (April 20, 2021). Emerging Communication Architectures and the Changing Nature of Work. *Keynote address at the 9th International Conference 'Comparative Media Studies in Today's World' (CMSTW)*, St. Petersburg, Russia, Virtual.

## 2020

Contractor, N. (October 24, 2020). Teaming in the Time of Covid-19. *Keynote address at the ICA-Affiliated New Media International (Virtual) Conference*.

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Contractor, N. (February 13, 2020). People Analytics: Using Digital Exhaust to Leverage Network Insights in the Workplace. *Keynote address at [Workshop on Web Science for Development at The International Institute of Information Technology](#)*, Bangalore, India.

## 2019

Contractor, N. (December 9, 2019). People Analytics: Using Digital Exhaust to Leverage Network Insights in the Workplace. *Keynote address at the [International conference on "Network Science in Economics and Finance"](#)*, Ahmedabad, India.

Contractor, N. (November 23, 2019). Keynote address at the [2019 Annual V2V Summit](#), Chicago, IL.

Contractor, N. (October 17, 2019). Trust and Artificial Intelligence. Keynote address at the National Intelligence Science and Technology Committee (NISTC) meeting, Washington, DC.

Contractor, N. (October 8, 2019). Understanding and Enabling the Future of Work. *Keynote address at [The Connected Commons](#)*, Williamsburg, VA.

Contractor, N. (September 30, 2019). A Decadal Survey of the Behavioral and Social Sciences: A

Research Agenda for Advancing Intelligence Analysis. Keynote address at the SBS Decadal Survey Report Launch, Washington, DC.

Contractor, N. (August 26, 2019). Understanding and Enabling the Future of Work. *Keynote address at the 2019 International Conference of Social Computing*, Beijing, China.

Contractor, N. (August 12, 2019). People Analytics: Understanding and Enabling the Future of Work. [Keynote address at the Organizational Communication & Information Systems \(OCIS\) plenary session at the 79th Annual Meeting of the Academy of Management](#), Boston, MA, USA.

Contractor, N. (June 18, 2019). Decadal Survey Vision. *Keynote address at the Social Science Research & Intelligence Workshop at the Academy of the Social Science in Australia*, Canberra, Australia.

Contractor, N. (February 26, 2019). People Analytics: Understanding and Enabling the Future of Work. *Keynote address at the Robert Bosch Center for Data Science and Artificial Intelligence - Webs Science Symposium at the Indian Institute of Technology Madras*, Chennai, India.

Contractor, N. (January 4, 2019). Relational Analytics: Transforming the future of work. *Keynote address at the International School and Conference on Network Science (NetSci-X)*, Santiago, Chile.

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## **2018**

Contractor, N. (February 16, 2018). Combining Big Data and Conventional Methods. *Keynote address at the Computational Communication Science conference*, Hanover, Germany.

## **2017**

Contractor, N. (October 10, 2017). *Welcome and open plenary speaker at the Atlanta Conference on Science and Innovation Policy*, Atlanta, GA.

Contractor, N. (July 1, 2017). Leveraging Computational Social Science to address Grand Societal Challenges. *Keynote address at the Web Science Summer School*, St. Petersburg, Russia.

Contractor, N. (June 15, 2017). Some Assembly Required: Organizing in the 21st Century. *Plenary speaker in a session titled Organizing and Organizations, at the Collective Intelligence Conference*, New York University's Tandon School of Engineering, Brooklyn, NY.

Contractor, N. (April 26, 2017). Building and Leveraging Powerful Social Networks. *Keynote address at 5th Annual Network Leadership Training Academy. Center on Network Science at the University of Colorado*, Denver, CO.

Contractor, N. (March 13, 2017). Creating Effective Teams. *Keynote address at "Assembly required. Organizing in the 21st century". Center for Technological and Pedagogical Innovation (CITEP) conference at the University of Buenos Aires, Buenos Aires, Argentina.*

## 2016

Contractor, N. (December 1, 2016). Leveraging Computational Social Science to Address Grand Societal Challenges. *Keynote address at the 3rd GESIS Computational Social Science Winter Symposium, Cologne, Germany.*

Contractor, N. (June 30, 2016). Leveraging Web/Internet/Network Sciences (WINS) to address Grand Societal Challenges. *Keynote address at the Web Science Summer Institute, Koblenz, Germany.*

Contractor, N. (May 16, 2016). Building and Leveraging Powerful Social Networks. *Keynote address at the University of Colorado, Denver's 4th Annual Network Leadership Training Academy, Denver, CO.*

Contractor, N. (March 28, 2016). Leveraging Computational Social Science to address Grand Societal Challenges. *Distinguished Lecture in the Educational Testing Services (ETS) Seminar Series, Princeton, NJ.*

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Contractor, N. (March 13, 2016). The Science of Team Science. *Keynote address at the "Intra and interorganizational conditions for interorganizational research cooperation." University of Bremen, in collaboration with the MARUM - Center for Marine Environmental Sciences at Bremen University*

Contractor, N. (March 4, 2016). Leveraging Computational Social Science to address Grand Societal Challenges. *Lambda Pi Eta Choice Scholar Lecture at the University of California Santa Barbara, Santa Barbara, CA.*

Contractor, N. (February 15, 2016). Team Science for the 21st Century. *Evening Speaker, 3rd Kavli Symposium on Science Journalism, Washington, DC.*

Contractor, N. (February 6, 2016). Reflections: Lessons learned. *Plenary Speaker, 22nd Annual Organization Science Winter Conference: Innovations & Organizations, Park City, UT.*

## 2015

Contractor, N. (September 24, 2015). Leveraging Computational Social Science to Address Grand Societal Challenges. *Kameshwar C. Wali Lecture in the Sciences & Humanities at Syracuse University, Syracuse, NY.*

Contractor, N. (August 27, 2015). Leveraging Computational Social Science to address Grand Societal Challenges. *Keynote address at the IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*, Paris, France.

Contractor, N. (June 18, 2015). Leveraging Computational Social Science to address Grand Societal Challenges. *Distinguished Lecture at North Carolina State University's Laboratory for Analytic Sciences*, Raleigh, NC.

Contractor, N. (June 15, 2015). Data, Network, and Crowd Science: Laura Norén, Noshir Contractor, and Wei Wang Discuss How Social Data Is Changing Network and Communication Science with Online Collaborative Methods. *Speaker at the Big Boulder Initiative*, Boulder, CO.

Contractor, N. (June 9, 2015). Leveraging Computational Social Science to address Grand Societal Challenges. *Distinguished Lecture at the Vienna University of Technology's PhD School Series "Current Trends in Computer Science"*, Vienna, Austria.

Contractor, N. (June 2, 2015). Leveraging Computational Social Science to address Grand Societal Challenges. *Keynote at NetSci Computational Social Science Conference*, Zaragoza, Spain.

Contractor, N. (May 28, 2015). Leveraging WINS (Web/Internet/Network Science) to address Societal Challenges. *Keynote at the 2nd International Conference on Internet Science*, Brussels, Belgium.

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Contractor, N. (April 29, 2015). Leveraging Network Science to address Great Societal Challenges. *Keynote at the ARS' 15 International Workshop "Large Networks and Big Data"*, Anacapri, Italy.

Contractor, N. (March 10, 2015). Leveraging Computational Social Science to address Grand Societal Challenges. *Distinguished Lecture at the Machine Learning and Data Analytics Symposium*, Doha, Qatar.

Contractor, N. (February 22, 2015). The Science of Team Science. *Keynote address at the Network for Pancreatic Organ Donors with Diabetes Annual Meeting*, St. Pete Beach, FL.

Contractor, N. (February 20, 2015). Building Powerful Personal and Professional Networks. *Distinguished Lecture at the Chicago Collaboration for Women in STEM*, Naperville, IL.

## **2014**

Contractor, N. (October 22, 2014). Leveraging Computational (e)Social Science to address Grand Societal Challenges. *Keynote address at the 10<sup>th</sup> IEEE International Conference on*



*eScience*, Guarujá, Sao Paulo, Brazil.

Contractor, N. (September 5, 2014). Leveraging Network Science to address grand societal challenges. *Inaugural lecture of the Elihu Katz Colloquia on Communication and Media Studies*. Annenberg School for Communication, University of Pennsylvania.

Contractor, N. (August 4, 2014). Toward a Network Science of Digital Data in Organizations. *Plenary Speaker, Communication and Information Systems Division, Academy of Management*, Philadelphia.

## **2013**

Contractor, N. (December 13, 2013). Some assembly required: Organizing in the 21<sup>st</sup> century *Keynote at the 3<sup>rd</sup> Indian Academy of Management Conference*, Indian Institute of Management, Ahmedabad, India.

Contractor, N. (October 19, 2013). Can big data motivate new theories & methods? *Plenary Speaker, 2013 International Conference on Advanced Media Technologies and Education (AMTE 2013)*, Shanghai.

Contractor, N. (October 1, 2013). Some assembly required: Organizing in the 21<sup>st</sup> Century. *Keynote presentation at the 14th IFIP Working Conference on Virtual Enterprise PRO-VE'13* in Dresden, Germany.

Contractor, N. (September 23, 2013). Leveraging social networks for science communication. *Plenary speaker at the National Academy of Sciences' Arthur M. Sackler colloquium* on

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the Science of Science Communication II.

Contractor, N. (September 6, 2013). Some assembly required: Organizing in the 21<sup>st</sup> Century. *Keynote at the 2013 International Cyber Security Strategy Congress*, Leuven, Belgium.

Contractor, N. (August 27, 2013). Some assembly required: Organizing in the 21<sup>st</sup> Century. *Opening keynote address at the 11<sup>th</sup> International Conference on Business Process Management*, Beijing.

Contractor, N. (July 26, 2013). Some assembly required: Organizing in the 21<sup>st</sup> Century. *Closing keynote address at the 2013 Big Ten Development Conference*, Evanston, IL.

Contractor, N. (June 6, 2013). Some assembly required: Organizing in the 21<sup>st</sup> Century. *Keynote address at the International School and Conference on Network Science*, Copenhagen.

## **2012**

Contractor, N. (December 16, 2012). Some assembly required: Organizing in the 21<sup>st</sup> Century.

*Keynote address at the 2012 ASE/IEEE International Conference on Social Informatics in Washington DC.*

Contractor, N. (November 16, 2012) Some assembly required: Organizing in the 21<sup>st</sup> Century. *Keynote at the 1st China National Conference on Social Computing (NCSC 2012) in Beijing.*

Contractor, N. (November 9, 2012) The Future of Team Science. *Keynote address at the Dr. Harold Burdette Annual Fall conference on Team Science: History, Theory, & Concept, Indiana University-Purdue University Indianapolis.*

Contractor, N. (October 28, 2012). The assembly of multi-team systems. *Dinner keynote at the Advancing the Science of Multiteam Systems meeting in Varenna, Italy.*

Contractor, N. (October 26, 2012). Some assembly required: Organizing in the 21<sup>st</sup> Century. *Opening keynote at the 1st Michigan State University Cyberinfrastructure (CI) Days conference. East Lansing, MI.*

Contractor, N. (September 24, 2012). Some assembly required: Organizing in the 21<sup>st</sup> Century. *Opening plenary address at HUBUB 2012 the annual HubZero Conference, Indianapolis, IN.*

Contractor, N. (September 10, 2012). Some assembly required: Organizing in the 21<sup>st</sup> Century. *Keynote address at the Digital Research 2012 conference, Oxford University, Oxford, UK.*

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Contractor, N. (April 26, 2012). Some assembly required: Organizing in the 21<sup>st</sup> century. *Plenary address at Society for Industrial and Applied Mathematics (SIAM) International Conference on Data Mining. Anaheim, CA.*

Contractor, N. (April 5, 2012). Some assembly required: Organizing in the 21<sup>st</sup> Century. *Keynote address at Crossroads Seminar Series, George Washington University, Washington, DC.*

## **2011**

Contractor, N. (October 24, 2011). From Understanding to Enabling Networks: Using Web Science to Enhance Recommender Systems. *Keynote address at the 5th ACM Conference on Recommender Systems, Chicago, IL.*

Contractor, N. (October 11, 2011). Understanding and Enabling Collaboration in 21<sup>st</sup> Century Teams. *Plenary address at CIC CIO Tech Forum, University of Illinois at Urbana-Champaign, Champaign, Illinois.*

Contractor, N. (October 7, 2011). Using Web Science to Understand and Enable 21st Century Multidimensional Networks. *Keynote address at 3rd International Conference on Social Informatics*, Singapore.

Contractor, N. (June 8, 2011). From disasters to WoW: Using web science to understand and enable 21<sup>st</sup> century multidimensional networks. *Keynote address at 22<sup>nd</sup> annual ACM conference on hypertext and hypermedia*, Eindhoven, The Netherlands.

Contractor, N. (May 20-21, 2011). Social and knowledge network-building to advance global health decision-making. *Keynote lecture at Advancing Global Health Decision-Making Conference*, Rutgers University, New Brunswick, NJ.

Contractor, N. (May 16-17, 2011). Enabling and understanding networks in virtual organizations. *Keynote address at National Science Foundation, "Toward a Science of Virtual Organizations"* University of Central Florida, Orlando, FL

Contractor, N. (January 24, 2011). *Understanding and Enabling Networks. Keynote at Etmalvoor de Communicatiewetenschap*, University of Twente, Enschede, Netherlands.

## 2010

Contractor, N. (Aug 25, 2010). Using web science to understand and enable society. *Keynote address at the Inauguration of the Brazilian Institute for Web Science*, Rio de Janeiro, Brazil.

Contractor, N. (October 6, 2010). Using web science to understand and enable society. *Keynote address at the conference*, World Wide Consortium (W3C), Belo Horizonte, Brazil.

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Contractor, N. (September 13, 2010). Some assembly required: Understanding and enabling team assembly. *Honorary Professor Lecture, Fudan University's School of Management*, Shanghai, China.

Contractor, N. (August 21, 2010). Some assembly required: Understanding and enabling team assembly. *Keynote address at 2010 IEEE Second International Conference on Social Computing (SocialCom)*, Minneapolis, MN.

Contractor, N. (August 12, 2010). Understanding and enabling team science. *Opening keynote at the First Annual National VIVO Conference: Enabling National Networking of Scientists*, New York, NY.

Contractor, N. (July 21-24, 2010). Some assembly required: Understanding and enabling team assembly. *Keynote address at the GESIS 50<sup>th</sup> anniversary celebration – Leibniz -Institut für Sozialwissenschaften Institute Day*, Cologne, Germany.

Contractor, N. (June 9-11, 2010). Using network science to understand and enable team assembly. *Keynote address at Lausanne Workshop on Multi-Disciplinary Approach to Complexity, Networks, & Geosimulations*, University of Lausanne, Lausanne, Switzerland.

Contractor, N. (June 1, 2010). Some assembly required: Leveraging web science to understand and enable team assembly. *Keynote address at Extended Semantic Web Conference - ESWC 2010*, Heraklion, Greece.

Contractor, N. (March 31, 2010). Computational modeling to advance theory construction in the social science. *Keynote address at the 2010 International Conference on Social Computing, Behavioral Modeling, and Prediction*, Bethesda, MD.

## 2009

Contractor, N. (November 12, 2009). Leveraging powerful networks to address health challenges. *Keynote address at the Young Adult Alliance, Building bridges and collaborations annual meeting*, Lance Armstrong Foundation, Austin, TX.

Contractor, N. (October 24, 2009). Understanding and enabling team assembly. *Plenary speaker at the International National Science Foundation Workshop on Connected Multimedia*, Hangzhou, China.

Contractor, N. (April 25, 2009). Understanding and enabling team assembly. *Closing keynote at the Annual Meeting of the Society of Behavioral Medicine*, Montreal, Canada.

Contractor, N. (April 24, 2009). Understanding and enabling team assembly. *Invited plenary speaker, Studying Society in a Digital World*, Princeton University, Princeton, NJ.

Contractor, N. (March 24, 2009). *Global Technologies and Networked Communities. Opening*

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*keynote speaker, Ceremony of the NU-Qatar campus, Doha, Qatar.*

Contractor, N. (March 20, 2009). Leveraging web science to understand and enable society. *Keynote address at the 1<sup>st</sup> Web Science conference: Celebrating the 20<sup>th</sup> anniversary of the Web*, Athens, Greece.

Contractor, N. (February 2, 2009). Understanding and enabling networks to advance engineering education. *Keynote address at Annual National Science Foundation Engineering Education Awardees Conference*, Reston, VA.

## 2008

Contractor, N. (November 6, 2008). Using networks to mobilize for global events. *Keynote speaker at Milan World Expo 2015 launch*, Milan, Italy.

## **2007**

Contractor, N. (2007) *Keynote address, Australian National Digital Collections Conference*.

## **2006**

Contractor, N. (June 29, 2006). From Disasters to WoW: Enabling Communities with Cyberinfrastructure. *Keynote address at the 2<sup>nd</sup> International e-Social Science Conference*, Manchester, UK.

Contractor, N. (May 1, 2006). From Disasters to WoW: Enabling Communities with Cyberinfrastructure. *Van Zelst Distinguished Lecture*, Northwestern University, Evanston, IL.

Contractor, N. (February 2, 2006). From Disasters to WoW: Enabling Communities with Cyberinfrastructure. *Walter Fisher Distinguished Lecture*, Annenberg School of Communication, USC, Los Angeles, CA.

## **2005**

Contractor, N. (August 16, 2005). Social Networks and Distributed Communities of Practice. *Keynote address at Workshop on Sustaining Distributed Communities of Practice* at the International Centre for Governance and Development, University of Saskatchewan, Saskatoon, Canada.

Contractor, N. (June 14, 2005). Socio-technical challenges in designing 21st cyberinfrastructure to enable networks in communities. *Keynote address at the 2nd International Communities & Technologies conference*, Milan, Italy.

Contractor, N. (March 28, 2005). *Co-evolution of knowledge networks in 21st century*

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*organizational forms*. 15th Annual Wayne Thompson Distinguished Lecture at Western Illinois University, Macomb, IL.

Contractor, N. (March 14, 2005). ICT support in emergency management. *Keynote address at the eGovernment der Oesterreichischen Computer Gesellschaft conference*, Vienna, Austria.

## **2004**

Contractor, N. (November 24, 2004). *Co-evolution of knowledge networks in 21st century organizational forms*. Visiting Professor Distinguished Lecture, University of Science and Technology of China, Hefei, China.

Contractor, N. (May 18, 2004). *Coevolution of knowledge networks and 21<sup>st</sup> century organizational forms*. [Plenary lecture at the 2004 Understanding Complex Systems: Networks conference](#), Urbana, IL.

Contractor, N. (April 30, 2004). Designing knowledge networks for organizational change. *Keynote speaker at the "Network of Networks,"* National Institutes of Health, Rockville, MD.

## 2003

Contractor, N. (November 14, 2003). Emergence of Communication Networks in the 21st Century. *Keynote speaker at the Inauguration of CITÉ de l'Université de Montréal - Interdisciplinary Research Centre on Emerging Technologies* at the University of Montreal, Montreal, Canada.

Contractor, N. (October 17, 2003). Communication Technology in Organizations. *Distinguished lecture at Università Cattolica del Sacro Cuore*, Milan, Italy.

Contractor, N. (June 11, 2003). Co-evolution of Multi-dimensional Networks. *Keynote address at Multi-level Network Analysis of the co-operation between firms*, University of Surrey, Surrey, United

## 2002

Contractor, N. (April 22, 2002). The power of the network: Technology and new organizational forms. *Keynote address at the National Laboratory of Tourism and e-commerce Forum on Technology and Change*, Urbana, IL.

## 2001

Contractor, N. (May 2, 2001). Collaborative knowledge in the e-Economy. *Keynote address to Workshop on Collaborating in the e-Economy: Legacies, Practices, and Prospects*,

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University of Technology, Sydney, Australia.

Contractor, N. (April, 2001). The use of technologies to support and reconfigure Human Resource functions in 21st century organizational forms. *Keynote speaker at the Spring Roundtable on Human Resource Management and the Web: Evolution or Revolution?* Center for Human Resource Management, Oak Brook, IL.

## 2000

Contractor, N. (August, 2000). Communication through knowledge networks and the future of organizational structures. *Keynote address, Association of Indiana Convention and Visitors Bureau 2000 Annual Educational Conference*, Merrillville, IN.

Contractor, N. (March 2000). Studying and using communication networks in the 21st century. *Keynote address at the Workshop for Network of Communication Researchers in Thailand*, Chulalongkon University, Bangkok, Thailand.

Contractor, N. (February, 2000). Emergence of communication networks: A self-organizing systems perspective. *Keynote address at the Finnish Speech Communication Association Conference*, Helsinki, Finland.

## 1999

Contractor, N. (July, 1999). Social capital and knowledge capital in network forms of organizing. *Keynote address at workshop on Laboratorio di Knowledge Management: Il contributo delle tecnologie al knowledge management organized by Istituto RSO* (Institute for Action Research on Organizations and Systems). Sede Fiat, Centro Incontini, Marentino, Torino, Italy.

Contractor, N. (June, 1999). Using technologies to build productive relationships. *Keynote address, McKinsey & Co.'s "Mini-Oxford."* British Library Conference Centre, London.

Contractor, N. (April, 1999). Self-organizing systems research in the social sciences. *Keynote address, Texas Conference on Organizations*, Kerrsville, TX.

Contractor, N. (February, 1999). Communication skills in the 21st century. *Keynote address, The Communication Conference: Setting the Standards for the 21st Century*, hosted by McKinsey & Co.'s Global Client Communications Practice, Berlin, Germany.

## INVITED COLLOQUIA/LECTURES

Contractor, N. (2023, October). People Analytics: Using Digital Exhaust from the Web to Leverage Network Insights in the Algorithmically Infused Workplace. Presentation at the Ivan Preston Colloquium, Madison, Wisconsin.

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Contractor, N. (2023, July). People Analytics: Using Digital Exhaust from the Web to Leverage Network Insights in the Algorithmically Infused Workplace. Presentation at the Summer Institute in Computational Social Science (SICSS-Beijing 2023), Beijing, China.

Contractor, N. (2023, March). People Analytics: Using Digital Exhaust to Leverage Network Insights in the Algorithmically Infused Workplace. Keynote Speaker at Global Pervasive Computational Epidemiology (GPCE) Spring Meeting: Research Integration, Virtual

Contractor, N. (2023, March). AI Shock: The Future of Economy, Organizations, Work, and Management Education. Panelist at Korean Academic Society of Business Administration, Virtual

Contractor, N. (2023, March). People Analytics: Using Digital Exhaust From The Web to Leverage Network Insights in the Algorithmically Infused Workspace. Speaker at CUDAN Open Lab Seminar, Virtual

Contractor, N. (2023, March). Ask the Experts - Network Analysis/Dynamic Networks. Panelist at the Consortium for the Advancement of Research Methods and Analysis at Texas Tech University, Virtual

Contractor, N. (2022) Leveraging Collaborative Networks. Speaker at the Road to Leadership Symposium at Northwestern University, Virtual

Contractor, N. (2021, November). People Analytics: Using Digital Exhaust From The Web to Leverage Network Insights in the Algorithmically Infused Workspace. Speaker at the Hong Kong Baptist University, Virtual Meeting

Contractor, N. (2021, November). Data-driven Network Science for Modeling Design Preferences and Designing Effective Teams. Speaker at the Segal Design Institute, Northwestern University, Evanston, IL

Contractor, N. (2021, August). [Increasing Awareness about Network Awareness in Scientific Networks](#). Speaker at the U.S. National Academies of Sciences, Engineering, and Medicine Committee for Addressing Inaccurate and Misleading Information about Biological Threats through Scientific Collaboration and Communication, Virtual Meeting.

DeChurch, L. A. & Contractor, N. (2021, July). Teaming in a Virtual World. Speaker at the Northwestern Medicine Executive Leadership Group Virtual Conference, Virtual Meeting.

Contractor, N. (2021, June). The Next Normal for Teaming: Transitioning Out of COVID-19.

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Speaker at the Business Advisory Council Meeting of the Northwestern University Transportation Center, Evanston, IL.



Contractor, N. (2021, April). [People Analytics: Using Digital Exhaust from the Web to Leverage Network Insights in the Workplace](#). Speaker at the Virtual Visit to the Department of Industrial and Systems Engineering at the University of Minnesota, Virtual Meeting.

Contractor, N. (2021, March). People Analytics: Using Digital Exhaust from the Web to Leverage Network Insights in the Workplace. Speaker at the National Institute of Industrial Engineering, Virtual Meeting

Contractor, N. (2021, March). Networking like a star during a crisis. Speaker at Master of Science (MSC) in Communication program Webinar, Northwestern University, Evanston, IL.

Contractor, N. (2021, March). [People Analytics: Understanding & Enabling the Future of Work on Earth - and in Space](#). Speaker at the Institute for Analytical Sociology International Roundtable on Computational Social Science, Virtual Meeting.

Contractor, N. (2021, March). Missions to Mars: Understanding and Preparing Teams for the Future. Speaker at the IllinoisX Space Technology, Virtual Meeting

Contractor, N. (2021, February). Metatheoretical perspectives on satellite television and development in India: What we learned - and did not learn - from SITE to inform digital media in contemporary India. Speaker at the Vikram Sarabhai Birth Centenary Tribute, Virtual Meeting.

Contractor, N. (2021, January). Teaming in the time of COVID-19: What Astronauts can teach us about working together. Speaker at Midday@McCormick, Virtual Meeting.

Contractor, N. (2020, December). Understanding Consumer Behavior in Digital Environments Panel. Speaker at the Digital Marketing and Computer Science Workshop - Northwestern University and Adobe Research, Virtual Workshop.

Contractor, N. (2020, November). Using Digital Traces to Leverage Network Insights During COVID-19 Today - and in Space in the Future. Speaker at the Virtual Brown Bag Series Department of Organization and Human Resources, School of Management, University of Buffalo, Buffalo, NY.

Contractor, N. (2020, November). [People Analytics: Using Digital Exhaust from the Web to Leverage Network Insights in the Workplace](#). Speaker at Global HR Forum 2020, Grand Walkerhill Seoul, Virtual Meeting.

Contractor, N. & DeChurch, L.A. (2020, October). [Teaming in the Time of Covid-19: Reconfiguration of Workplace Communication Networks](#). Speaker at the Interdisciplinary Network for Group Research 2020, Virtual Meeting.

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Contractor, N. & DeChurch, L.A. (2020, July). [Teaming in a Virtual World: What Network Science](#)

[and Research on Astronauts Can Teach Us About Working Together When We Are Apart.](#)  
Speaker at Northwestern Kellogg School of Management Webinar, Northwestern University, Evanston, IL.

Contractor, N. (2020, July). Understanding and Leveraging Networks. Speaker at Master of Science (MSC) in Communication program Webinar, Northwestern University, Evanston, IL.

Contractor, N. (2020, May). [\(Re-\)pairing Teams for the Moon.](#) Speaker at MORS Brownbag Series, Northwestern University, Evanston, IL.

Contractor, N. & DeChurch, L. A. (2020, May). [Teaming in the Time of COVID-19: What Astronauts Can Teach us About Working Together.](#) online lecture for [Northwestern Emeriti Organization](#)

Contractor, N. (2020, February). Some Assembly Required: Organizing in the 21st century. University of Santa Barbara, Santa Barbara, CA.

Contractor, N. (2019, September). Employee Networks and Retail Management. [Roundtable discussion at Santa Fe Institute](#), San Francisco, CA.

Contractor, N. (2019, May). A Decadal Survey of the Behavioral and Social Sciences: A Research Agenda for Advancing Intelligence Analysis. Panelist at the *Advisory Committee (AC) to the Directors for Social, Behavioral, and Economic Sciences (SBE) National Science Foundation*, Alexandria, VA.

Contractor, N. (2019, April). People Analytics: Understanding and Enabling the Future of Work. Speaker at *Northeastern University's Network Science Institute*, Boston, MA.

Contractor, N. (2019, March). Leveraging the Next Decade of Computational Social Science to Address Grand Societal Challenges. Speaker at *University of Michigan's Survey Research Center (SRC) Seminar Series*, Ann Arbor, MI.

Contractor, N. (2019, January). Avances y proyecciones de Computational Social Sciences. Presenter at the *Universidad del Desarrollo Facultad de Gobierno*, Santiago, Chile.

Contractor, N. (2018, November). Complementarity of the Network Sciences: distinctions, tensions and synergies across SNA, NS and the other system sciences. Panel member at the *North American Regional Social Networks (NASN) Conference of the International Network for Social Network Analysis (INSNA)*, Washington, D.C.

Contractor, N. (November 10, 2018). Pursuing Grant-Funded Research in Communication: Challenges and Opportunities across the Discipline. *Session speaker for the Research*

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*Council Panel at the National Communication Association Convention*, Salt Lake City, UT.

Contractor, N. (November 10, 2018). Scholarly Recess: Professional Development for Students and Junior Scholars. *Session speaker for the Group Communication Division at the National Communication Association Convention, Salt Lake City, UT.*

Contractor, N. (October 17, 2018). Social isolation: A challenge in and out of this world. *Session speaker at Amazon's All Boats Rise? Social Capital, Promise and Peril, session: No One is an (I)Land, Seattle, WA.*

Contractor, N. (October 18, 2018). Inhaling digital exhaust data from Enterprise Social media to understand and enable teaming. Presentation at *Inaugural Case Workshop on Digital Innovation, Case Western Reserve University, Cleveland, OH.*

Contractor, N. (May 21, 2018). *Some Assembly Required: Teaming in the 21st Century.* Presentation at *Computational Social Science Luncheon, Northwestern University, Evanston, IL.*

DeChurch, L. A., & Contractor, N. S. (April 20, 2018). Deep space teamwork. Presentation at *COMMFEST2018, Northwestern University, Evanston, IL.*

Contractor, N. (April 16, 2018). Leveraging Computational Social Science to Address Grand Societal Challenges. *Northwestern University IPR Colloquium, Evanston, IL.*

Contractor, N. (October 27, 2017). Leveraging Computational Social Science to Address Grand Societal Challenges. *Case Western Weatherhead School of Management's Interdepartmental Research Seminar (jointly sponsored by Design & Innovation and Organizational Behavior), Cleveland, OH.*

Contractor, N. (October 18, 2017). Some assembly required: Leveraging computational social science to understand and enable team assembly. *Invited lecture at Sciences Po organized by the Centre de Sociologie des Organisations, Paris, France.*

Contractor, N. (May 18, 2017). Leveraging Computational Social Science to Address Grand Societal Challenges. *Gerald P. Mohrmann Memorial Lecture at the Institute for Social Sciences, UC Davis, Sacramento, CA.*

Contractor, N. (February 21, 2017). [Testing Multitheoretical, Multilevel Hypotheses about Networks.](#) *Prevention Science Methodology Group (PSMG) at the Center for Prevention Implementation Methodology, Feinberg school of medicine, Northwestern University, IL.*

Contractor, N. (February 13, 2017). Bridging the Boundary, while Minding the Seams: Boundary Propensities in Multiteam Systems. *Center for Work, Technology, and Organization, Management Science & Engineering, Stanford University, CA.*

Contractor, N. (September 9, 2016). Leveraging Computational Social Science to Address Grand Societal Challenges. *Department of Computer Science and Automation Seminar Series*. Indian Institute of Science, Bangalore, India.

Contractor, N. (April 27, 2016). Potenciando la Ciencia de Redes para abordar los grandes retos sociales. *Programa La UBA para el Siglo XXI en la Universidad de Buenos Aires*, Buenos Aires, Argentina.

Contractor, N. (April 13, 2016). Some Assembly Required: Organizing in the 21st Century. *Computer Science Research Group Talk at the University of California Santa Barbara*, Santa Barbara, CA.

Contractor, N. (January 15, 2016). Leveraging Network Science to Address Grand Societal Challenges. *Interdisciplinary Committee on Organizational Studies (ICOS) & Digital Future Lecture Series at the University of Michigan*, Ann Arbor, MI.

Contractor, N. (October 26, 2015). Some Assembly Required: Organizing in the 21st Century. *Clinical and Translational Science Talk at the University of Florida*, Gainesville, FL.

Contractor, N. (July 9, 2015). Leveraging Computational Social Science to address grand societal challenges. *Vienna Summer School on Digital Humanities*, Vienna University of Technology. Vienna, Austria.

Contractor, N. (Feb 27, 2015). Using computational social science to address grand societal challenges. *Brown bag presentation at the Northwestern University's Office for Sponsored Research staff meeting*, Evanston, IL.

Contractor, N. (October 15, 2014). Leveraging Computational Social Science to address grand societal challenges. [\*Information Science Colloquium Series co-sponsored by Yahoo!\*](#) Cornell University, Ithaca, NY.

Contractor, N. (August 15, 2014). Leveraging Computational Social Science to address grand societal challenges. *New Computational Sociology Conference*, Stanford University. Palo Alto, CA.

Contractor, N. (April 4, 2014). Leveraging Computational Social Science to address grand societal challenges. *Department of Communication*, University of California, Santa Barbara.

Contractor, N. (March 3, 2014). Leveraging Computational Social Science to address grand societal challenges. *Annenberg Research Seminar*. Annenberg School for Communication & Journalism, University of Southern California, Los Angeles.

Contractor, N. (February 27, 2014). Some assembly required: Organizing in the 21<sup>st</sup> century. *Physics and Astronomy Complex Systems Seminar Series*, Northwestern University

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Contractor, N. (February 17, 2014). Utilizing the Science of Social Networks to Increase Public Understanding. *Ready.Set.Go: Turning Great Researchers into Great Communicators* seminar series, Northwestern University.

Contractor, N. (December 10, 2013). Some assembly required: Organizing in the 21<sup>st</sup> century. *Faculty of Management Studies, Higher School of Economics Distinguished Lecture Series*, Moscow, Russia.

Contractor, N. (December 9, 2013). Some assembly required: Organizing in the 21<sup>st</sup> century. *Internet Studies (LINIS) and the Sociology of Education and Science Laboratory (SLON) Distinguished Lecture Series*, Higher School of Economics, St. Petersburg, Russia.

Contractor, N. (November 18, 2013). Scholarship in team science. *SINAInnovations: Leading a New Era of Discovery*. Icahn School of Medicine at Mount Sinai, New York.

Contractor, N. (November 14, 2013). Networks and networkds. Forum on computer science everywhere: Exploring collaborations between computer science and other disciplines, McCormick School of Engineering, Northwestern University.

Contractor, N. (October 30, 2013). Some assembly required: Organizing in the 21<sup>st</sup> Century. Featured speaker at *Northwestern University Transportation Center's Business Advisory Council (BAC)* meeting.

Contractor, N. (February 8, 2013). *Some assembly required: Organizing in the 21<sup>st</sup> century*. Kellogg Attitudes Motivation and Processing (KAMP) Speaker Series, Kellogg School of Management, Northwestern University.

Contractor, N. (December 6, 2012). *Some assembly required: Organizing in the 21<sup>st</sup> century*. Seminar series in the Department of Informatics at the University of Zurich.

Contractor, N. (December 2, 2012) *Some assembly required: Organizing in the 21<sup>st</sup> Century*. Colloquium series at Northwestern University Qatar, Doha, Qatar.

Contractor, N. (September 26, 2012). *Team assembly in online games*. Guest lecture at the Fudan School of Business, Shanghai, China.

Contractor, N. (September 21, 2012). *Some assembly required: Organizing in the 21<sup>st</sup> century*. Presentation at the LUISS Business School, Rome, Italy.

Contractor, N. (September 17, 2012). *Studying teams at the hyperedge*. Presentation at the European Union funded Innovation Sustainability Technology (INSITE) workshop titled "Networks' emergence and sustainability" at Ca' Foscari University of Venice, Italy.

Contractor, N. (August 21, 2012). Presented at the 2012 Summer Social Webshop on Technology

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Mediated Social Participation, University of Maryland, College Park, MD.

<http://www.cs.umd.edu/hcil/webshop2012/index.shtml>

Contractor, N. (July 9, 2012). *Network theories and methods in web science*. Tutorial presented at the 4<sup>th</sup> Web Science Summer School, Leiden, Netherlands.

<https://www.lorentzcenter.nl/index.php?pntType=ConPagina&id=828&conBestandId=1012&pntHandler=DownloadAction>

Contractor, N. (July 4, 2012). *Social network theories and methods*. Tutorial presented at the School on Networks in Biology, Social Science and Engineering organized as part of the Indian Institute of Science Mathematics Initiative, Bangalore, India.

<http://math.iisc.ernet.in/~imi/NBSSEWS.php>

Contractor, N., & Srivastava, J., (June 25, 2012). *Network science models and computational methods*. Tutorial presented at the Army Research Laboratory, under the auspices of the Network Science: Collaborative Technology Alliance (NS-CTA), Aberdeen Proving Ground, MD.

Contractor, N. (June 16, 2012). Facilitated a networking exercise at *Women Networking For Sustainability: Celebrating The Past & Envisioning The Future*, held concurrently with the Rio+20 United Nations Conference on Sustainable Development, Rio de Janeiro, Brazil.

Contractor, N. (May 31-June 1, 2012). Participated in the National Advisory Committee meeting for the Active Aging Research Center, Madison, WI.

Contractor, N. (May 17, 2012). *The role of networks in the assembly of effective teams*. Presentation at a National Cancer Institute meeting on The Role of Health Care Teams in Cancer Care, Bethesda, MD.

Contractor, N. (April 27, 2012). Presentation on Social Network Analysis and Application panel, University of Missouri, Columbia, MO.

Contractor, N. (March 21, 2012). *Some assembly required: Organizing in the 21<sup>st</sup> Century*. Presentation at the UC Davis Clinical and Translational Science Center's Translation Science Seminar, Sacramento, CA.

Contractor, N. (October 16, 2011). *Traces in a tangled web*. Chicago Humanities Festival, Chicago, IL.

Contractor, N. (September 30, 2011) *Using web science to understand and enable 21<sup>st</sup> century*

*networks*. Presentation at the Workshop on Information in Networks (WIN), New York University's Stern School of Business, New York, NY. <http://winworkshop.net/index.php>

Contractor, N. (August 24, 2011). *Understanding and enabling large socio-communication networks*. Summer Social Webshop (@Webshop2011), University of Maryland, College

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Park, MD. <http://www.cs.umd.edu/hcil/webshop2011/index.shtml>

Contractor, N. (2011). Workshop on Social Network concepts and Analysis Techniques. University of Trento, Trento, Italy.

Contractor, N. (June 2, 2011). Conducting social network analysis at the petascale level: Challenges and Opportunities, *Annual Workshop on Network Science*, Virginia Tech.

Contractor, N. (May 23, 2011). Some assembly required: Organizing in the 21<sup>st</sup> Century. *Profiting from the New Web Conference*. Royal Society, London.

Contractor, N. (October 2-4, 2010). Using web science, internet science and network science to understand and enable society. European Science Foundation Meeting on the *Future Internet and Society*, Acquafredda di Maratea, Italy.

Contractor, N. (September 25-29, 2010). Some assembly required: Leveraging Web Science to understand and enable team assembly. Royal Society 350<sup>th</sup> Anniversary Conference on Web Science, London.

Contractor, N. (April 29, 2010). Some assembly required: Understanding and enabling team assembly. *Network Business Initiative Special Seminar*, Harvard Business School, Boston, MA.

Contractor, N. (April 16, 2010). Using network science to understand and enable team assembly *Pennsylvania State Network Science Day*, University Park, PA.

Contractor, N. (November 13, 2009). Comparing actor-oriented modeling and machine learning approaches to understanding network dynamics . *2<sup>nd</sup> Meeting on Methodology for Empirical Research on Social Interactions, Social Networks and Health*, Harvard University, Cambridge, MA.

Contractor, N. (November 4, 2009). Understanding and enabling team assembly. *Booth School of Business Colloquium*, University of Chicago, Chicago, IL.

Contractor, N. (October 8, 2009). Understanding and enabling team assembly. *Mary Junck Research Colloquium*, University of North Carolina, Chapel Hill, NC.

Contractor, N. (August 21, 2006). *Social network methods and tools to advance public health*.

Invited lecture at National Institutes of Health Road Map Summit on Methodology & Technology, Rockville, MD.

Contractor, N. (February 8, 2007). *Science of networks in communities related to the future of digital learning and media*, MacArthur Foundation, Chicago, IL.

Contractor, N. (January 29, 2007). *Semantic web and social network analysis*. Open Grid Forum

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workshop on Semantic Web, Social Networks & Web 2.0, Chapel Hill, NC.

Contractor, N. (April, 2006). *From Disasters to WoW: Enabling communities with cyberinfrastructure*. NASA Goddard Information Science & Technology Colloquium Series, Goddard Space Flight Center, Greenbelt, MD.

Contractor, N. (April 4, 2006). *From Disasters to WoW: Enabling Communities with Cyberinfrastructure*. <mms://video.dis.purdue.edu/general/noshircontractor.wmv>, Purdue University, Hammond, IN.

Contractor N. (October 28, 2005). *Utilizing social network analysis to understand transnational advocacy networks*. Ford foundation forum on "Transnational Advocacy in Communication and Information Policy," New York, NY.

Contractor, N. (August 22, 2005). *European e-Government research seen from the outside*. Panel of International Digital Government Research, Copenhagen, Denmark.

Contractor, N. (May 2, 2005). *Co-evolution of knowledge networks and 21st century forms of organizing*. MeshForum 2005, Audio version of presentation featured under IT conversations: <http://www.itconversations.com/shows/detail235.html> Chicago, IL.

Contractor, N. (April 28, 2005). *Co-evolution of knowledge networks and 21st century cyberinfrastructure*. Invited luncheon speaker at the Centers of Excellence in Cancer Communication Research Grantees Meeting, St. Louis, MO.

Contractor, N. (April 25, 2005). *Co-evolution of knowledge networks and 21st century cyberinfrastructure*. Indiana University's Talk Series on Networks and Complex Systems. Bloomington, IN.

Contractor, N. & Schiller, D. (April 22, 2005). *Age of Networks: Social, cultural and technological connections*. Colloquium hosted by UIUC Department of Speech Communication, Urbana, IL.

Contractor, N. (April 18, 2005). *Co-evolution of knowledge networks and 21st century organizational forms*. UIUC College of Education Seminar Series, Champaign, IL.



Contractor, N. (April 15, 2005). *Networks in the public interest*. UIUC transnational seminar series, Urbana, IL.

Contractor, N. (April 5, 2005). *Co-evolution of knowledge networks and 21st century organizational forms*. UIUC Center for Global Studies, Champaign, IL.

Contractor, N. (March 23, 2005). *Co-evolution of knowledge networks in 21st century organizational forms*. Colloquium at the Rotterdam School of Management, Erasmus University, Rotterdam, Netherlands.

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Contractor, N. (March, 2005). *Cyberinfrastructure for the Social Sciences*. NSF Workshop panel at Airline Center, Warrenton, VA.

Contractor, N. (March 1, 2005). *Social network concepts & metrics*. Guest lecturer in course titled "Visualizing & Navigating Knowledge Networks" offered by UIUC's Department of Electrical & Computer Engineering and Graduate School of Library & Information Science, Urbana, IL.

Contractor, N., Wali, A., & Severson, R. (February 25, 2005). *Mapping cultural and network assets in three Chicago communities*. Rockefeller foundation workshop on Cultural dimensions of transnational communities: Understanding and mapping cultural networks and assets, New York, NY.

Contractor, N. (2004, November 20, 2004). *The role of networks in crisis management*. 4th Asia-Pacific Symposium on Press and Scientific and Social Progress: Science-Technology, Media & Major Crisis Management, Beijing, China.

Contractor, N. (November 18, 2004). *Visioning a cyberinfrastructure for transnational digital government research*. EU-US electronic government research collaboration meeting, Technical University of Delft, Delft, Netherlands.

Contractor, N. (December 3, 2004). *Co-evolution of knowledge networks in 21st century organizational forms*. Nanyang Technological University, Singapore.

Contractor, N. (December 1, 2004). *Co-evolution of knowledge networks in 21st century organizational forms*. United Nations University, Macau, China.

Contractor, N. (November 30, 2004). *Co-evolution of knowledge networks in 21st century organizational forms*. Department of Communication, City University of Hong Kong, Hong Kong.

Contractor, N. (November 22, 2004). *Co-evolution of knowledge networks in 21st century organizational forms*. Department of Communication, Peking University, Beijing, China.

Contractor, N. (October 29, 2004). *Challenges, opportunities, and strategies for fostering transnational collaboration on e-Government research: The Budapest Workshop*. [EU/NSF collaboration on digital government research](#). E.2004 eChallenges, Vienna, Austria.

Contractor, N. (September 24, 2004). *Using technologies to support and enhance organizational knowledge networks*. [Center for Human Resource Management \(CHRM\) Roundtable on Communication Strategies to Drive Results](#), Oak Brook, IL.

Contractor, N. (September 22, 2004). *Role of knowledge networks in fostering community*. UIUC's Cross-campus initiative on the Ethnography of the University, Urbana, IL.

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Contractor, N. (August 31, 2004). *Challenges, opportunities, and strategies for fostering transnational collaboration on e-Government research*. [NSF-Delegation panel on eGovernment research in the US](#). eGov 2004, Zaragoza, Spain.

Contractor, N. (May 14, 2004). *Principles of network management*. Invited presentation at the "[Connect and Develop: Managing Networks of Innovation](#)," Mack Center for Technological Innovation at the Wharton School of Management, University of Pennsylvania, Philadelphia, PA.

Contractor, N. (May 7, 2004). *Theories of communication networks*. Invited presentation jointly sponsored by the University of Trieste's Faculty of Communication Sciences and Faculty of Economics and Statistics, Trieste, Italy.

Contractor, N. (April 24, 2004). *Coevolution of knowledge networks and policy formation in 21st century organizational forms*. Invited presentation at the "Voice and citizenship: Re-thinking theory and practice in political communication" symposium. Organized by the Department of Communication, University of Washington, Seattle, WA.

Contractor, N. (April 2, 2004). *How policy shapes networks and networks shape policy*. Institute for Communication Research/Ford Policy Series, University of Illinois at Urbana-Champaign, Champaign, IL.

Contractor, N. (March 24, 2004). *Multi-theoretical multilevel models to study the co-evolution of knowledge networks*. Invited presentation jointly sponsored by the Central European University's Departments of Sociology and Psychology, Budapest, Hungary.

Contractor, N. (March 5, 2004). *Coevolution of knowledge networks in 21<sup>st</sup> century organizational forms*. Department of Marketing Proseminar, University of Illinois at Urbana-Champaign, Champaign, IL.

Contractor, N. (March 3, 2004). *Enabling entrepreneurial networks*. Coleman Entrepreneurship Center, DePaul University, Chicago, IL.

Contractor, N. (December 5, 2003). *Using social network analysis to leverage tobacco control networks*. U.S. National Cancer Institute, Bethesda, MD.

Contractor, N. (December 2, 2003). Participant, Panel on *Modeling al-Qa'ida*. Sponsored by U.S. Government, Washington, D.C.

Contractor, N. (November 25, 2003). *Networks in the interest of society*. Center for Information Technology Research in the Interest of Society, University of California at Berkeley, Berkeley, CA. <http://www.citris.berkeley.edu/>

Contractor, N. (April 25, 2003). *Multi-theoretical multi-level models for the emergence of*

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*knowledge networks*. Leeds School of Business, University of Colorado at Boulder, CO.

Contractor, N. (October 20, 2003). *Multi-theoretical multilevel models for the study of knowledge networks*, Bocconi University, Milan.

Contractor, N. (June 5, 2003). *Defense Science and Technology*, Laboratory talk, Farnborough, Hampshire, United Kingdom.

Contractor, N. (March 26, 2003). *Networks vs. hierarchy: Implications for learning & development*. Chief Learning Officers Forum sponsored by Executive Development Associates, Atlanta, GA.

Contractor, N. (March 4, 2003). *Electronic surveillance and the "dual-effects" hypothesis*. Guest lecture, Professor Christian Sandvig's course titled "Internet Policy," Urbana, IL.

Contractor, N. (January 8, 2003). *Leveraging knowledge networks in a global economy*. Tata International Ltd., Mumbai, India.

Contractor, N. (December, 20, 2002). Participant in a roundtable discussion on *Criteria for credit in a collaborative world*. UIUC Center for Advanced Study, Urbana, IL.

Contractor, N. (November 4, 2002). *Co-evolution of knowledge networks and 21<sup>st</sup> century organizational forms*. [National Center for Digital Government Seminar Series](#), Kennedy School of Government, Harvard University, Cambridge, MA.

Contractor, N. (November 1, 2002). *Multi-theoretical multi-level models (MTML) for understanding the emergence of knowledge networks*. [MIT Organizational Studies Group Seminar Series](#), Cambridge, MA.

Contractor, N. (September 25, 2002). *Constructing knowledge networks*. Brown bag series of the

Office for Information Management, College of Commerce and Business Administration,  
University of Illinois at Urbana-Champaign, Champaign, IL.

Contractor, N. (July 29, 2002). *p\* Techniques for multi-theoretical multilevel social network analysis*. Workshop on Statistical theory of Dynamically Emerging Social Groups. Rensselaer Polytechnic Institute, Troy, NY.

Contractor, N. (May 30, 2002). *Social mechanisms that facilitate the creation and maintenance of virtual networks among government agencies*. Workshop on "Developing a Basic Research Agenda for Digital Governance." Kennedy School of Government, Harvard University, Cambridge, MA.

Contractor, N. (May 27, 2002). *Co-evolution of communication and knowledge networks in the emergence of social capital*. Workshop on "The ambivalent relationship between Social Capital and IT," Amsterdam, Netherlands.

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Contractor, N. (May 23, 2002). *Multi-level, multitheoretical approach to retrieval and allocation of information in knowledge networks*. Colloquium at the University of Amsterdam, Netherlands.

Contractor, N. (April 11, 2002). *Multi-level, multitheoretical approach to retrieval and allocation of information in knowledge networks*. Colloquium presented as part of the Groups and Organization (GO) series at the School of Decision and Social Sciences, Carnegie Mellon University, Pittsburgh, PA.

Contractor, N. (April 10, 2002). *Multi-level, multitheoretical approach to retrieval and allocation of information in knowledge networks*. Colloquium presented at the Katz School of Business, University of Pittsburgh, Pittsburgh, PA.

Contractor, N. (March 22-23, 2002). *Organizational Warfare*. U.S. Department of Defense workshop, organized by the Naval Postgraduate School, Monterey, CA.

Contractor, N. (March 6-7, 2002). *Granting Organizations of the Future*. NSF workshop, organized by the Center for Technology in Government, SUNY, Albany, NY.

Contractor, N. (April, 2001). *Co-evolution of knowledge networks and 21st century organizational forms*. Invited presentation as part of the Impact Series: Explorations of the impact of new information technology on arts, culture, politics, and society, supported by the Office of the Provost, University of Arizona, Tucson, AZ.

Contractor, N. (March, 2001). *Communication network analysis workshop*. Sponsored by Finland University Network for Communication Sciences at the University of Jyväskylä, Jyväskylä, Finland.

Contractor, N. (February, 2001). *H.323-based videoconferencing in the educational environment*.

Presented at the 2EAST: New technology series, Northwestern University, Evanston, IL.

Contractor, N. (October, 2000). *Social networks and distributed intelligence*. Invited presentation as part of the Sawyer Seminar on Heterarchies, supported by the Andrew W. Mellon Foundation and the Institute for Social and Economic Research and Policy (ISERP) at Columbia University, New York, NY.

Contractor, N. (October, 2000). *Social network formulations of knowledge and distributed intelligence*. Invited presentation at the workshop on Heterarchies: Distributed Intelligence and the Organization of Diversity, Santa Fe Institute, Santa Fe, NM.

Contractor, N. (June, 2000). *Managing social and intellectual capital*. Workshop for Korean advertising executives sponsored by the University of Illinois, Champaign-Urbana, Champaign, IL.

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Contractor, N. (March, 2000). *Emergence of communication networks*. Brown bag presentation for the Social Psychology Division, Department of Psychology, University of Illinois at Urbana-Champaign, Champaign, IL.

Contractor, N. (March, 2000). *Communication network analysis*. Workshop for Communication scholars in Thailand hosted by the Faculty of Communication Arts, Chulalongkorn University, Bangkok, Thailand.

Contractor, N. (February, 2000). *Co-evolution of knowledge networks and 21<sup>st</sup> century organizational forms*. Tieto 2000: Professional Forum on New Information Technologies, Helsinki, Finland.

Contractor, N. (January, 2000). Invited address to the "*Forum on New Technologies in Information and Communication for the XXIth Century*", hosted by Barcelona University (UB) and the Technical University of Catalunya (UPC), Barcelona, Spain.

Contractor, N. (December, 1999). *Advanced collaboration tools to support multi-university distributed learning in organizational communication*. Video-conference presentation to a dozen university locations in the United Kingdom participating in the colloquia series sponsored by the Scottish Higher Education Funding Council.

Contractor, N. (November, 1999). *Communications in the global enterprise*. Invited presentation to the External Advisory Board of the University of Michigan's Program in Manufacturing, Ann Arbor, MI.

Contractor, N. (November, 1999). *HR implications for virtual organizations*. Invited presentation at the Noon Seminar series, Department of Human Resource Education, University of Illinois at Urbana-Champaign, Champaign, IL.

Contractor, N. (August, 1999). *Collaborative learning: Experiences from a graduate course on globalization*. Invited presentation to the Video Working Group of the Committee on Institutional Cooperation (CIC), State College, PA.

Contractor, N. S., Zink, D., & Chan, M. (June, 1998). *IKNOW: A tool to assist and study the creation, maintenance, and dissolution of knowledge networks*. Invited presentation at the First Kyoto Meeting on "Social Interaction and Communityware," Kyoto, Japan.

Contractor, N. (March, 1998). *Knowledge and Distributed Intelligent*, National Science Foundation at University of California, Santa Barbara, CA.

Contractor, N. (March, 1998). *Social & Ethical Dimensions of Knowledge Networking*, National Science Foundation at University of California, Santa Barbara, CA.

Contractor, N. (1998). *Web Lab*, and National Science Foundation, Washington, D.C. [Return to](#)

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Contractor, N. (1998). *Digital Governance*, National Science Foundation, Alexandria, VA.

Contractor, N. & Monge, P. R. (November, 1997). *Theoretical mechanisms for dynamic modeling of communication networks*. School of Communication, Stanford University, Palo Alto, CA.

Contractor, N. (October, 1997). *Knowledge networks in virtual organization: conceptual rationale and software demonstration*. School of Information, University of Michigan, Ann Arbor, MI.

Contractor, N. (October, 1997). *Self-organizing communication networks in organizations*. Wharton School of Management, University of Pennsylvania, Philadelphia, PA.

Contractor, N. (September, 1997). *Self-organizing communication networks in organizations*, Department of Communication, University of Maryland, College Park, MD.

O'Keefe, B., Contractor, N., & Zaritsky, R. (April, 1997). *Educational technologies at the team engineering laboratory*. Andersen Consulting Educational, St. Charles, IL.

Contractor, N., & O'Keefe, B. (February, 1997). *The use of technologies to support learning communities*. UIUC Faculty Retreat, Urbana, IL.

Contractor, N. (February, 1997). *Report on Active X, Java, and other web-based technologies*. Sponsored by UIUC Educational Technologies Board, Urbana, IL.

Contractor, N. (December, 1996). *Unintended consequences of new information technologies: The case of the Internet*. Indian Petro-Chemicals Limited, Vadodara, India.

Contractor, N. (December, 1996). *The Internet and Global Organization*. Indian Institute of Management, Ahmedabad, India.

Contractor, N., & O'Keefe, B. (November, 1996). *Project CITY: An Illustration of the TEAM Methodology*. Department Colloquium, Department of Communication, University of Arizona, Tucson, AZ.

Contractor, N. (October, 1996). *The Emergence of Communication Networks*. Department of Communication, Purdue University, Hammond, IN.

Contractor, N. (April, 1996). *Unintended consequences of new information technologies: The case of the Internet*. Guest lecturer in Professor Lillian Hoddeson's UIUC undergraduate course on history of technologies, Urbana, IL.

Contractor, N. (April, 1996). *Computational Organizational Theories*. Guest lecturer at UIUC's Institute for Communication Research Proseminar, Urbana, IL.

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Contractor, N. (January-April, 1996). *Special topics in social networks*. Guest lecturer at a graduate seminar on Communication Networks at the Annenberg School of Communication, University of Southern California, Los Angeles, CA.

Contractor, N. (March, 1996). *Computational Organizational Theories*. Workshop at Arizona State University, Phoenix, AZ.

Contractor, N. (February, 1996). *Unintended consequences of new information technologies: The case of the Internet*. American Center, United States Information Service (USIS), New Delhi, Delhi, India.

Contractor, N. (February, 1996). *Unintended consequences of new information technologies: The case of the Internet*. Institute for Electrical and Electronic Engineers (IEEE), Baroda, India.

Contractor, N. (February, 1996). *Communication technologies and re-engineering the workplace*. Federation of Industries, Baroda, India.

Contractor, N. (February, 1996). *Technological enhancements to workgroup effectiveness*. Institute for Electrical and Electronic Engineers (IEEE), Baroda, India.

Contractor, N., O'Keefe, B. J., & Hollingshead, A. B. (November, 1995). *Beyond E-mail: An advanced workshop for electronic research and pedagogy*. Short course offered at the meeting of the Speech Communication Association, San Antonio, TX.

Contractor, N. (July, 1995). *Technological enhancements to work group effectiveness*. Workshop for MBA students from the Kymmene Corporation, Milan, Italy.

Suarez, Selena; Gomez-Zara, Diego; DeChurch, Leslie; & Contractor, Noshir. (2021) Let's team up! Understanding how people form teams using online platforms. Paper presented at *The 16th Annual INGRoup Conference*.

### CONFERENCE PRESENTATIONS

Churchill, E., Contractor, N., Massimi, M. (2022 October). Human-Computer Interaction at Work. [Panelist]. Lambert Conference on the Future of Human-Computer Interaction + Design, Evanston, IL, United States.

Modi, N., Lungeanu, A. Dechurch L. Contractor, N. (2022 May). Funding Cross-Boundary Teams to Promote Breakthrough Scientific Discoveries: Case Study in Clinical and Translational Science. [Conference Presentation]. 72nd Annual International Communication Association (ICA) Conference, Paris, France.

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Mohammed, S., Schillinger, D., Contractor, N., Fiore, S., Shah, J., Shuffler, M. (2021, November 4). The Future is Here: Human-Robot Teaming. [Panelist]. The 16th Annual Interdisciplinary Network for Group Research Conference, Virtual.

Antone, B., Lungeanu, A., DeChurch, L. A., Bell, S. T., & Contractor, N.S. (2021 October 25). Re-pairing to Repair: A Countermeasure that Enhances Crew Relations in Deep Space. [Conference presentation]. Proceedings of the International Astronautical Congress, Virtual.

DeChurch, L. A., Lungeanu, A., & Contractor, N.S. (2021 September). Leadership nei team isolati in condizioni estreme. [Conference presentation]. Congresso Nazionale AIP sezione per le Organizzazioni, Verona, Italy.

Contractor, N. (2021, August 2). Unraveling the sequential structural signatures of success in human agent teams. [Conference presentation]. The 81st Annual Meeting of the Academy of Management, Virtual.

Gómez-Zarà, D., DeChurch, L. A., & Contractor, N. (2021, August 1). Do I know you? The effects of social capital on self-assembled groups. [Conference presentation]. The 81st Annual Meeting of the Academy of Management, Virtual.

Suarez, Selena; Gomez-Zara, Diego; DeChurch, Leslie; & Contractor, Noshir. (2021, July 15-17) Let's team up! Understanding how people form teams using online platforms. Paper



presented at *The 16th Annual INGRoup Conference*.

Modi, N., Lungeanu, A., DeChurch, L. A., & Contractor, N. (2021, July 9). Science of Team Science: Searching for boundary-crossing collaborations. [Conference presentation]. 12th Annual Science of Team Science Conference, Virtual

Modi, N., Lungeanu, A., DeChurch, L. A., Contractor, N. (2021, July 5 - 10). Hard to recruit but worth trying: Searching for cross-boundary collaborations in science. [Conference presentation]. Networks 2021: A Joint Sunbelt and NetSci Conference, Virtual.

Tanaka, K., DeChurch, L. A., & Contractor, N. (2021, July 6). Knowing is not Enough: How Network Awareness and Acuity are Associated. [Conference presentation]. Networks 2021: A Joint Sunbelt and NetSci Conference, Virtual.

Aral, S., Azhar, A., Contractor, N., Teevan, J. (2021, June 25). The Future of the Web and Society [Panelist]. The 13th Association for Computing Machinery (ACM) Web Science Conference 2021, Virtual.

Modi, N., Lungeanu, A., DeChurch, L. A., & Contractor, N. (2021, June 7-11). Science of Team Science: Searching for boundary-crossing collaborations. [Conference presentation]. Networks 2021: A Joint Sunbelt and NetSci Conference, Virtual.

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Antone, B., DeChurch, L.A., Morton, D., Bell, S., & Contractor, N. (2021, April 15-17). A Network-Based Method to Recommend Optimal Team Compositions for Space Exploration [Conference Presentation]. The 36th Society for Industrial and Organizational Psychology (SIOP) Annual Conference, Virtual.

Contractor, N. (2021, April 15-17). The Future of Team Composition: Robots, Cyber Teams and Decision-Support Systems [Panelist]. The 36th Society for Industrial and Organizational Psychology (SIOP) Annual Conference, Virtual.

Contractor, N. (2021, April 15-17). Human-Agent Teams Will Revolutionize the Future of Work: Implications for Industrial-Organizational Psychology [Panelist]. The 36th Society for Industrial and Organizational Psychology (SIOP) Annual Conference, Virtual.

Chackoria, J.J., Nyberg, B.B., Vasquez, M., Bell, S.T., DeChurch, L.A., Contractor, N., Gushin, V., & Vinokhodova, A. (2021, April 15-17). Perceived Similarity Predicts Viable Relationships and Team Performance [Poster Presentation]. The 36th Society for Industrial and Organizational Psychology (SIOP) Annual Conference, Virtual.

Johnson, M., Gokhman, I., DeChurch, L.A., Bell, S.T., Contractor, N. (2021, April 15-17). Talking About Mars: Team Communication Dynamics and Decision Quality in Space Crews [Poster Presentation]. The 36th Society for Industrial and Organizational Psychology (SIOP) Annual Conference, Virtual.

Harris-Watson, M. A, DeChurch, L.A., Xue, H., Contractor, N. (2021, April 15-17). Your next coworker could be a robot: What “type” will it be? [Conference Presentation]. The 36th Society for Industrial and Organizational Psychology (SIOP) Annual Conference, Virtual.

Contractor, N. (2021, February 11). Pairing Teams for, and (Re)pairing Teams during Long-Duration Space Exploration [Paper Presentation]. Panelist in DeChurch, L. (Chair), Understanding and Enabling Human Travel to the Moon and Mars, Panel discussion conducted at the annual meeting of the American Association for the Advancement of Science (AAAS), Virtual.

Contractor, N. (2021, February 10). *Teaming in the Time of COVID-19: What Astronaut crews can teach us about “re-pairing” our relationships* [Conference Presentation]. Society for Personality and Social Psychology Preconference: Bringing Intragroup Processes back to Social Psychology, Virtual.

Christian, S., Loughheed, G., Larson, L., DeChurch, L., & Contractor, N. (2021, February 2). *Revisionist Histories: Reflected Themes from the ISS and SIRIUS Space Missions* [Poster Presentation]. NASA Human Research Program Investigators’ Workshop, Virtual.

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Antone, B., Gruest, V., Gupta, A., DeChurch, L., Bell, S., & Contractor, N. (2021, February 3). *Team Performance in Space Crews* [Conference Presentation]. NASA Human Research Program Investigators’ Workshop, Virtual.

Izadinia, N., DeChurch, L., Waechter, A., & Contractor, N. (2021, February 3). *Measuring and Predicting Performance for Individuals, Teams, and Systems in Interdependent Crew Tasks (MAPPITS-ICT)* [Conference Presentation]. NASA Human Research Program Investigators’ Workshop, Virtual.

Johnson, M., Gokhman, I., Bell, S., DeChurch, L., & Contractor, N. (2021, February 3). *Talking about Mars: Team Communication Dynamics and Decision Quality in Space Crews* [Conference Presentation]. NASA Human Research Program Investigators’ Workshop, Virtual.

Tanaka, K., DeChurch, L., Baimenova, A., & Contractor, N. (2021, February 4). *Network Routing Task Performance Among Space Crew with Human Mission Support VS. Automated Mission Support in Space Multiteam Systems* [Conference Presentation]. NASA Human Research Program Investigators’ Workshop, Virtual.

Antone, B., Lungeanu, A., DeChurch, L., Bell, S., & Contractor, N. (2021, February 4). *A Successful Crew Composition Countermeasure Validated in HERA* [Conference Presentation]. NASA Human Research Program Investigators' Workshop, Virtual.

Lungeanu, A., DeChurch, L., & Contractor, N. (2021, February 4). *SCALE-ing Crew Shared Mental Models: A Computational Model* [Conference Presentation]. NASA Human Research Program Investigators' Workshop, Virtual.

Wu, Y. J., Antone, B., Srinivas, A., DeChurch, L. A., & Contractor, N. S. (2021, January 29). *Social Network Churn Within and Between Teams in Times of COVID-19* [Conference Presentation]. The Third North American Social Networks Conference (NASN), Virtual

Gómez-Zar4, D., Ichhaporia, R., DeChurch, L. A., & Contractor, N. S. (2020, November 19-22). *Do I know you? The effects of offline social capital in self-assembled teams online* [Paper presentation]. The Virtual 106th Annual Convention of the National Communication Association (NCA).

Wang, Y., Zhang, J., Ding, Z., DeChurch, L. A., & Contractor, N. S. (2020, November 19-22). [\*Dynamics of processes and performance of teams using enterprise social media\*](#) [Paper presentation]. The Virtual 106th Annual Convention of the National Communication Association (NCA).

DeChurch, L. A., & Contractor, N. S. (2020, November 19-22). [\*Signatures of Success in Human Agent Teams\*](#). Panelist in Welles, B. F. (Chair), Team Communication Research in the Age of Artificial Intelligence, Panel discussion conducted at the Virtual 106th Annual

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Convention of the National Communication Association.

Izadinia, N., DeChurch, L. A., Waechter, A., Contractor, N. (2020, November 7-13). *Optimization-based Metrics Of Multilevel Performance In Multiteam Systems* [Paper presentation]. Virtual Institute for Operations Research and the Management Sciences (INFORMS) Annual Meeting 2020.

Gómez-Zar4, D., Ichhaporia, R., DeChurch, L. A., & Contractor, N. S. (2020, September 25-27). *Do I know you? The effects of social capital on self-assembled teams* [Poster presentation]. Virtual Organizational Communication Mini-Conference [OCMC]

Izadinia, N., DeChurch, L. A., Waechter, A., Contractor, N. S. (2020, September 25-27). *New metrics for evaluating individual and team performance in multiteam systems* [Poster presentation]. Virtual Organizational Communication Mini-Conference (OCMC).

Tanaka, K., DeChurch, L. A., & Contractor, N. S. (2020, September 25-27). *Positional and dispositional factors that predict who commits social network routing errors and who learns from them* [Conference presentation]. Virtual Organizational Communication Mini Conference (OCMC)

Wu, Y. J., Antone, B., Chan, C. Leonardi, P., DeChurch, L., & Contractor, N. S. (2020, September 25-27). Status and Network Mobilization in Organizations During the Times of COVID-19 [Poster presentation]. Virtual Organizational Communication Mini-Conference (OCMC).

Tanaka, K., DeChurch, L. A., & Contractor, N. S. (2020, September 17-25). Positional and dispositional factors that predict who commits social network routing errors and who learns from them [Conference presentation]. the International School and Conference on Network Science (NetSci), Virtual

Contractor, N. (2020, August 7-11). Unravelling the sequential structural signatures of success in human agent teams. [Conference presentation]. Academy of Management Annual Meeting 2020

Contractor, N. (2020, August 7-11). [Using AI to turbocharge organizational network analysis](#) [Conference presentation]. Academy of Management Annual Meeting 2020

Zurek, M., Harris, A. M., Johnson, J., N. S., DeChurch, L. A., & Contractor, N. S. (2020, July 13-17). *Bridging analog environments: Comparison of group dynamics and cohesion between the human exploration research analog (HERA) and over-wintering Antarctic stations* [Conference presentation]. Virtual sunbelt conference of the International Network for Social Network Analysis (INSNA).

Johnson, J., Zurek, M., Contractor, N. S., & DeChurch, L. A. (2020, July 13-17). *The social network ecology of small groups in isolated and confined environments* [Conference presentation]. Virtual sunbelt conference of the International Network for Social Network Analysis (INSNA).

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Antone, B., Néray, B., Munar, W., Koskinen, J., & Contractor, N. S. (2020, July 13-17). *Missing tie imputation in sparse networks with ego-centric responses* [Conference presentation]. Virtual sunbelt conference of the International Network for Social Network Analysis (INSNA).

Lungeanu, A., Whalen, R., Wu, Y. J., DeChurch L. A., & Contractor N. S. (2020, July 13-17). *Text and networks: Mapping changes in the expertise diversity of patent teams* [Conference presentation]. Virtual sunbelt conference of the International Network for Social Network Analysis (INSNA).

Tanaka, K., DeChurch, L. A., & Contractor, N. S. (2020, July 13-17). *Origins of network acuity: Who has an ability to efficiently use their awareness of the group communication network* [Conference presentation]. Virtual sunbelt conference of the International Network for Social Network Analysis (INSNA).

Contractor, N. (2020, July). Research Roadmap. Panelist at the 12th ACM Web Science Conference 2020, Online (organized by the University of Southampton).

Antonne, B., DeChurch, L. A., Bell, S., & Contractor, N. S. (2020, April 21-25). [\*Re-Pairing Teams for Long-Duration Space Exploration\*](#). Society for Industrial and Organizational Psychology (SIOP) 2020, Virtual Conference.

Antone, B., Gruest, V., DeChurch, L. A., Bell, S., & Contractor, N. S. (2020, January). *Team performance in long duration space missions: SIRIUS '19* [Paper presentation]. NASA Human Research Program Investigators' Workshop, Galveston, TX, United States.

Lungeanu, A., DeChurch, L. A., & Contractor, N. S. (2020, January). *Leadership networks and shared mental models: Leading teams over time through space* [Poster presentation]. NASA Human Research Program Investigators' Workshop, Galveston, TX, United States.

Antone, B., Lungeanu, A., Bell, S. T., DeChurch, L. A., & Contractor, N. S. (2020, January). *Crew recommender for effective work in space (project crews): Validation & countermeasure development* [Poster presentation]. NASA Human Research Program Investigators' Workshop, Galveston, TX, United States.

Izadinia, N., DeChurch, L. A., Waechter, A., & Contractor, N. S. (2020, January). *Optimization-based metrics for evaluating individual and team performance in spaceflight multiteam systems* [Poster presentation]. NASA Human Research Program Investigators' Workshop, Galveston, TX, United States.

DeChurch, L. A., Tanaka, K., & Contractor, N. S. (2020, January). *The impact of network acuity on information sharing under communication delays in space multiteam systems* [Paper presentation]. NASA Human Research Program Investigators' Workshop, Galveston, TX.

Plummer, G., DeChurch, L. A., Mesmer-Magnus, J. R., Johnson, J., & Contractor, N. S. (2020, January). *In a world of their own... team cognition in long-term cohabitating teams*

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[Paper presentation]. NASA Human Research Program Investigators' Workshop, Galveston, TX, United States.

Bingenheimer, J., Lungeanu, A., Sedlander, E., Contractor, N., Gichangi, P., Rimal, R., & Munar, W. (2019, November). *How attitudes and beliefs spread to influence contraceptive use in two whole networks in Coastal, Kenya* [Paper presentation]. The American Public Health Association (APHA)'s 2019 Annual Meeting and Expo, Philadelphia, PA.

DeChurch, L. A., Gokhman, I. A., Plummer, G., Vazquez, M., Bell, S. & Contractor, N. S. (2019, October). *Deciding on mars: The effects of isolation on autonomous team decision-making* [Paper presentation]. The 70th International Astronautical Congress, Washington, D.C, United States.

DeChurch, L.A., Gruest, V., Lungeanu, A., & Contractor, N.S. (2019, October). *Leadership topologies in space explorer teams* [Paper presentation]. The 7th International Workshop

in Social Network Analysis, Vietri sul Mare, Italy.

Antone, B., Zhang, D., Li, H., Zhang, T., Kudaravalli, A., Xu, Y., DeChurch, L.A., Leonardi, P., & Contractor, N.S. (2019, October). *Predictive extension to ERGMs and applications in real-time monitoring of organizational social networks* [Paper presentation]. The 7th International Workshop in Social Network Analysis, Vietri sul Mare, Italy.

Lungeanu, A., DeChurch, L. A., & Contractor, N. S. (2019, August). *Leading teams over time through space* [Poster presented]. *Academy of Management (AoM)*, Boston, MA, United States.

Larson, L. E., Gokhman, I., Wojcik, H., DeChurch, L. A., Bell, S., & Contractor, N. (2019, July). *Collective intelligence & dynamic regulation in teams* [Paper presentation]. The 14<sup>th</sup> *Interdisciplinary Network for Group Research (INGRoup)* annual meeting, Lisbon, Portugal.

Larson, L. E., Niler, A., Pendergraft, J., Carter, D. R., & DeChurch, L. A. (2019, July). Development and evaluation of an experiential learning activity for multiteam leaders. In J. G. Pendergraft, Mohan, G., & Carter, D. R. (co-chairs), *Facilitating multiteam system performance in high-stakes practical contexts* [Symposium]. The 14<sup>th</sup> *Interdisciplinary Network for Group Research (INGRoup)* annual meeting, Lisbon, Portugal.

Harris, A. M., Niler, A., DeChurch, L., Mesmer-Magnus, J., & Contractor, N. S. (2019, July). *The experience of working in teams in space* [Poster presentation]. The 14<sup>th</sup> *Interdisciplinary Network for Group Research (INGRoup)* Annual Meeting, Lisbon, Portugal.

Lungeanu, A., DeChurch, L. A., & Contractor, N. S. (2019, June). *Leading teams over time through space* [Poster presentation]. XXXIX Sunbelt Conference of the International Network for Social Network Analysis (INSNA), Montreal, Quebec, Canada.

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Lungeanu, A., Park, P., DeChurch, L. A., & Contractor, N. S. (2019, June). *Leveraging simulations to improve the functioning of multiteam systems* [Poster presentation]. 9th annual congress of the European Association of Work and Organizational Psychology, Turin, Italy.

DeChurch, L. A., Larson, L. E., Gokhman, I., Wojcik, H., Bell, S., & Contractor, N. S. (2019, June). *Can we get along long enough to get to Mars? Team performance over time* [Poster presentation]. The 9th annual congress of the European Association of Work and Organizational Psychology, Turin, Italy.

Gómez-Zarà, D., Parra, D., Arreondo, C., & Contractor, N. S. (2019, May). *The role of organizations and individuals in online collective action: A network analysis of social movements frames promoted on Twitter* [Paper presentation]. The 69th annual International Communication Association (ICA) Conference, Washington, D.C, United

States.

DeChurch, L. A. (2019, April). Panelist in E.A. McCune (Chair), *Translating complexity: From science to practice*. Panel discussion conducted at the 34<sup>th</sup> annual meeting of the Society for Industrial and Organizational Psychology, National Harbor, MD.

DeChurch, L. A. (2019, April). Co-Chair for, *Failure is not an option: Discovering the dynamics of space teams*. Symposium presented at the 34<sup>th</sup> annual meeting of the Society for Industrial and Organizational Psychology, National Harbor, MD.

Vazquez, M., Outland, N., Bell, S. T., DeChurch, L. A., & Contractor, N. S. (2019, April). *Examining interpersonal compatibility using fsQCA across two samples* [Paper presentation]. The 34<sup>th</sup> annual meeting of the Society for Industrial and Organizational Psychology, National Harbor, MD, United States.

Gokman, I., DeChurch, L. A., Plummer, G. K., Bell, S. T., & Contractor, N. S., (2019, April). *Team information sharing and decision making over time* [Paper presentation]. The 34<sup>th</sup> annual meeting of the Society for Industrial and Organizational Psychology, National Harbor, MD, United States.

Contractor, N.S., DeChurch, L.A., Kozlowski, S., & Johnson, J. (2019, February). *Missions to Mars: Understanding and preparing teams for the future* [Panel presentation]. The annual meeting of the American Association for the Advancement of Science (AAAS), Washington, D.C, United States.

Lazer, D., Contractor, N.S., Watts, D., González-Bailón, S., & Pentland, A.S. (2019, February). *Computational social science: The next decade*. Moderator at the Annual Meeting of the American Association for the Advancement of Science (AAAS), Washington, D.C.

Gómez-Zar4, D., Paras, M. Schechter, A., DeChurch, L.A., & Contractor, N.S. (2019, January). *Using relational event modeling for understanding team formation mechanisms in teams*

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*assembled online* [Paper presentation]. The International School and Conference on Network Science (NetSci-X), Santiago, Chile.

Contractor, N. S., Antone, B., Lungeanu, A., Bell, S. T., & DeChurch, L. A. (2019, January). *Validating models of team composition decisions for long-duration space exploration* [Poster presented]. Presented at 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.

DeChurch, L. A., Lungeanu, A., Park, P., & Contractor, N.S. (2019, January). *CREST: Crew recommender for effectively switching tasks* [Poster presentation]. 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.

DeChurch, L. A., Niler, A. A., Mesmer-Magnus, J. R., & Contractor, N. S. (2019, January). *Task*

*management in space multiteam systems* [Poster presentation]. Presented at 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.

Gokhman, I.A., Plummer, G., DeChurch, L. A., Bell, S. T., Vazquez, M. & Contractor, N. S. (2019, January). *Crew information sharing and decision making over time* [Poster presentation]. 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.

DeChurch, L. A., Rudra, K. & Contractor, N. S. (2019, January). *Using interaction data to predict interpersonal relationships in space multiteam systems* [Poster presentation]. 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.

Contractor, N. S., DeChurch, L. A., Larson, L.E., Gokhman, I. A., Wojcik, H., & Bell, S. T. (2019, January). *Collective Intelligence In Space Crews* [Poster presentation]. 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.

Larson, L. E., Gomez-Zara, D., DeChurch, L. A., Bell, S. T., & Contractor, N. S. (2019, January). *Informal leadership In space crews* [Poster presentation]. 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.

Schultz, M., DeChurch, L. A., & Contractor, N. S. (2019, January). *Networks as filters: Selective information transmission in conversations aboard Skylab* [Poster presentation]. 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.

Lungeanu, A., DeChurch, L. A., & Contractor, N. S. (2019, January). *The emergence and development of crew shared mental models: An agent-based model* [Poster presentation]. 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.

Izadinia, N., DeChurch, L. A. Contractor, N. S., & Waechter, A. (2019, January). *Using optimization methods to benchmark performance in space teams* [Poster

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presentation]. 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.

Tanaka, K., Ennab, N., DeChurch, L. A., & Contractor, N. S. (2019, January). *Antecedents and outcomes of network acuity in space multiteam systems* [Poster presentation]. 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.

Mesmer-Magnus, J. R., Niler, A. A., Plummer, G., DeChurch, L. A. & Contractor, N. S. (2019, January). *Team cognition in context: A meta-analysis* [Poster presentation]. 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.



Plummer, G., DeChurch, L. A., Mesmer-Magnus, J. R., Johnson, J. & Contractor, N. S. (2019, January). *The development Of crew shared cognition* [Poster presentation]. 2019 NASA Human Research Program Investigators' Workshop Annual Conference, Galveston, TX.

Schechter, A. & Contractor, N.S. (2019, January). *A dynamic sequence model of information sharing processes in virtual teams* [Paper presentation]. The Hawaiian International Conference for System Sciences, Wailea, HI, United States.

Mattarelli, E., Schechter, A., Hinds, P., Contractor, N.S., Lu, C., & Topac, B. (2018, December). *How co-creation processes unfold and predict submission quality in crowd-based open innovation* [Paper presentation]. The International Conference on Information Systems, San Francisco, CA, United States.

Niler, A.A., Mesmer-Magnus, J.R., Plummer, G., Larson, L.E., DeChurch, L.A., & Contractor, N.S. (2018, November). *Team context, team cognition, and team performance: A meta-analysis* [Paper presentation]. The 104th National Communication Association Annual Convention, Salt Lake City, UT, United States.

Moody, J., Contractor, N., Phillips, N., Young, L. (2018, November). Complementarity of the Network Sciences: distinctions, tensions and synergies across SNA, NS and the other system sciences. Panel member at the North American Regional Social Networks (NASN) Conference of the International Network for Social Network Analysis (INSNA), Washington, D.C.

Lungeanu, A., Park, P., DeChurch, L. A., & Contractor, N. S. (2018, November). *Deep space collaboration: Impact of latency and social networks on collaborative work* [Paper presentation]. The 104th National Communication Association Annual Convention, Salt Lake City, UT, United States.

Gómez-Zar4, D., Andreoli, S., DeChurch, L., & Contractor, N.S. (2018, October). *How can we assemble better interdisciplinary teams? The "My Dream Team" experience at the Universidad of Buenos Aires* [Paper presentation]. Contemporary Developments on Media, Culture and Society: Argentina and America Latina, Buenos Aires, Argentina.

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Contractor, N. S. (2018, August). *Some assembly required: teaming in the 21st century* [Paper presentation]. The Innovations in Teaching Teamwork PDW Workshop, Academy of Management Conference (AoM), Chicago, IL, United States.

Contractor, N. S. (2018, August). *Multi-theoretical multilevel models of networks* [Paper presentation]. The Introduction to Social Network Analysis PDW Workshop, Academy of Management Conference (AoM), Chicago, IL, United States.

Ng, J. & Contractor, N.S. (2018, August). *xSocial media & team collaboration: How the @mention feature facilitates and constrains teamwork* [Paper presentation]. The

Academy of Management Conference (AoM), Chicago, IL, United States.

Contractor, N.S. (2018, August). *Facilitator*. Teaching Social Networks PDW Workshop at the Academy of Management Conference (AoM), Chicago, IL, United States.

Contractor, N.S. (2018, August). *Respondent*. How Advances in Digital Technologies Reconfigure Organizational Coordination Processes Showcase Symposium at the Academy of Management Conference (AoM), Chicago, IL, United States.

Lungeanu, A., Park, P., DeChurch, L., & Contractor, N. (2018, June). *Deep space collaboration: Impact of social networks on task switching in collaborative work* [Paper presentation]. The International School and Conference on Network Science, NetSci 2018 Satellite Workshop, Paris, France.

Tanaka, K., DeChurch, L., & Contractor, N. (2018, May). *Origins of omission and commission errors in perceptions of group communication networks* [Paper presentation]. The 68th Annual ICA conference, "Voices," Prague, Czech Republic.

Schultz, M., DeChurch, L., & Contractor, N. (2018, May). *Communicating through space and over time* [Paper presentation]. The 68th Annual ICA conference, "Voices," Prague, Czech Republic.

Park, P., Lungeanu, A., DeChurch, L. A., & Contractor, N.S. (2018, June). *Deep space collaboration: Impact of latency and social networks on collaborative work* [Paper presentation]. The XXXVIII Sunbelt Conference of the International Network for Social Network Analysis (INSNA), Utrecht, the Netherlands.

Tanaka, K., Jha, S., Gado, H., Twyman, M. D., DeChurch, L. A., & Contractor, N. S. (2018, June). *6-DoS (Six degrees of separation): A web-based platform to conduct small-world experiments* [Paper presentation]. The XXXVIII Sunbelt Conference of the International Network for Social Network Analysis (INSNA), Utrecht, Netherlands.

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Mesmer-Magnus, J., Niler, A., DeChurch, L. A., & Contractor, N. S. (2018, May). *Working and leading the way to Mars: How work affects shared leadership* [Paper presentation]. The 3rd Interdisciplinary Perspectives on Leadership Symposium, Chania, Greece.

Contractor, N. S. (2018, May). *Why inhaling digital exhaust is taking organizational performance and the science of communication and technology to new highs*. Presented on a panel titled "Professor as entrepreneur: opportunities and risk" at the 68th The Annual Conference of the International Communication Association (ICA), "Voices," Prague, Czech Republic.

Tanaka, K., DeChurch, L., & Contractor, N. (2018, May). *Origins of omission and commission errors in perceptions of group communication networks* [Paper presentation]. The 68th The Annual Conference of the International Communication Association (ICA), "Voices," Prague, Czech Republic.

Schultz, M., DeChurch, L., & Contractor, N. (2018, May). *Communicating through space and over time* [Paper presentation]. The 68th The Annual Conference of the International Communication Association (ICA), "Voices," Prague, Czech Republic.

Balkundi, P., Burt, R., Contractor, N. S., Leonardi, P., Rizzuto, T., & Ng, J. (2018, April). Life in the network: From people analytics to relational analytics. In a Panel Symposium conducted at the Society for Industrial and Organizational Psychology (SIOP) Annual Conference, Chicago, IL, United States.

Ng, J., DeChurch, L. A., & Contractor, N. S. (2018, April). *Information sharing in online teams: How interventions improve information processing* [Poster presentation]. The Society for Industrial and Organizational Psychology (SIOP) Annual Conference, Chicago, IL, United States.

Twyman, M., Newman, D., DeChurch, L. A., & Contractor, N. S. (2018, April). *Inviting your next teammate: Algorithms & acquaintances* [Poster presentation]. The Society for Industrial and Organizational Psychology (SIOP) Annual Conference, Chicago, IL, United States.

Niler, A.A., Mesmer-Magnus J. R., DeChurch, L. A., & Contractor, N. S. (2018, April). *Working alone & together: Understanding the factors that affect work transitions* [Poster presentation]. The Society for Industrial and Organizational Psychology (SIOP) Annual Conference, Chicago, IL, United States.

Gokhman, I., Plummer, G. K., DeChurch, L. A., Vazquez, M., Bell, S. T., & Contractor, N. S. (2018, April). *Development and validation of a team information sharing assessment battery* [Poster presentation]. The Society for Industrial and Organizational Psychology (SIOP) Annual Conference, Chicago, IL, United States.

Contractor, N.S., DeChurch, L.A., Bell, S.T., Olenick, J., Dishop, C., Bedwell, W., ... Niler, A. (2018, April). *A Question of time: Multidisciplinary approaches to understanding team dynamics*

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