

## SHALINI MISRA (she/her)

Associate Professor  
Urban Affairs and Planning  
School of Public and International Affairs  
College of Liberal Arts and Human Sciences  
Virginia Tech  
VTRC Office 5-182, 900 N. Glebe Rd.  
Arlington, VA 22203

<https://spia.vt.edu/people/faculty/misra.html>  
<http://scholar.google.com/citations?user=ayTL4a0AAAAJ&hl=en>

Email: [shalini@vt.edu](mailto:shalini@vt.edu)  
Phone: (C) +1-949-331-5300

### EDUCATION

2010	Ph.D.	University of California, Irvine Planning, Policy, and Design
2004	M.S.	Technical University of Munich, Germany Sustainable Resource Management, <i>with high distinction</i>
2001	B.E.	Gujarat University, India Civil Engineering, <i>first class with distinction, ranked 3<sup>rd</sup> in the University</i>

### PROFESSIONAL POSITIONS

2019 – present	Associate Professor (with tenure) School of Public and International Affairs, Virginia Tech Tech for Humanity Scholar, Center for Humanities, Virginia Tech
2022-present	Administrative Fellow, Institute for Society, Culture, and Environment, Virginia Tech
2012 –2019	Assistant Professor School of Public and International Affairs, Virginia Tech  Research Fellow Metropolitan Institute, Virginia Tech
2010 –2012	Postdoctoral Research Scholar School of Social Ecology University of California, Irvine
2006 - 2010	Research and Teaching Assistant School of Social Ecology University of California, Irvine
2003 - 2005	Research Assistant Institut für Theoretische Psychologie University of Bamberg, Germany
May 2002 - Sept. 2002	Research Associate Indian Institute of Management, Ahmedabad, India

Sept. 2001 - March 2002      Project Associate  
Centre for Environment Education, Ahmedabad, India

## RESEARCH INTERESTS

Technology, Society, and Public Policy, Psychological and Social Impacts of Digital Technologies, Science of Team Science, Convergence Research, Inter- and Trans-disciplinary Collaboration and Education, Environment and Behavior Studies, Social Ecology

## TEACHING INTERESTS

Environment and Behavior Studies, Social Ecology, Transdisciplinary Problem Solving, Quantitative and Qualitative Research Methods, Research Methodology, Theory Development, Planning Theory, Collaborative Planning and Community Involvement, Behavioral Skills for Public Managers

## RESEARCH IMPACT

Citation metrics of all scholarly contributions (as of September, 2023): Total # of citations: 2401; h-index: 15; i-10 index: 18; Citations compared to all faculty at the Associate Professor level in the Planning discipline: 89<sup>th</sup> percentile

[<http://scholarmetrics.com/person/ShaliniMisra>]

## HONORS AND AWARDS

- |         |                                                                                                                                                                                                                     |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2022    | Certificate for Excellence in Scholarship, College of Architecture and Urban Studies, Virginia Tech                                                                                                                 |
| 2021    | Chair of the 12 <sup>th</sup> Annual International Science of Team Science Conference, hosted by Virginia Tech                                                                                                      |
| 2019    | Certificate of Teaching Excellence, College of Architecture and Urban Studies, Virginia Tech                                                                                                                        |
| 2015    | Recognized as Virginia Tech Scholar of the Week (Week of Oct 26, 2015)<br><a href="https://www.research.vt.edu/scholar-of-the-week/shalini-misra">https://www.research.vt.edu/scholar-of-the-week/shalini-misra</a> |
| 2014    | 2014 Michael Brill Award in Urban Communication and Environmental Design, EDRA and Urban Communication Foundation (\$2500)                                                                                          |
| 2009-10 | Graduate Dean's Dissertation Fellowship 2009-10 (\$10,000)                                                                                                                                                          |
| 2009    | Outstanding Undergraduate Mentorship Award, School of Social Ecology, University of California, Irvine (\$200)                                                                                                      |
| 2008    | Dean's Dissertation Writing Fellowship, School of Social Ecology, University of California, Irvine (\$4500)                                                                                                         |
| 2007    | Outstanding Undergraduate Mentorship Award, School of Social Ecology, University of California, Irvine (\$125)                                                                                                      |
| 2007    | Scholarship from the Phi Beta Kappa Alumni Association in Southern California (\$1000)                                                                                                                              |
| 2007    | Golden Key Honor Society Outstanding Academic Achievement Award                                                                                                                                                     |

- 2006 Outstanding Academic Achievement Award, Department of Planning, Policy, and Design, University of California, Irvine (\$125)
- 2005 Outstanding Academic Achievement Award, 2005-06, Department of Planning, Policy, and Design, University of California, Irvine (\$125)
- 2005-06 University Fellowship, University of California, Irvine
- 2001 Diplome de langue (Alliance Francaise d'Ahmedabad)
- 1994 Gandharva Vidyalaya Award for Indian Classical Music (Vocal), *ranked first in the state of Gujarat, India*

## GRANTS

- 2023-25 Co-PI, NSF Growing Convergence Research: Convergent Anthropocene Systems (Anthems) - A System-of-Systems Paradigm (Phase 1)(\$ 1.65 million)
- 2023-24 PI, 4-VA Collaborative Grant, 4-VA (\$30,000)
- 2022-23 PI, Destination Areas 2.0 Planning and Development Grant, Virginia Tech (\$50,000)
- 2022-23 Instructional Innovation Grant (focusing on equity, inclusion, and diversity), College of Architecture and Urban Studies, Virginia Tech (\$500)
- 2022 Summer fellowship, Andrew Mellon Foundation: Tech for Humanities Pathways Minor (\$10,000)
- 2022-25 Co-PI, NSF Growing Convergence Research: Common Pool Resource Theory as a Scalable Framework for Catalyzing Stakeholder-Driven Solutions to the Freshwater Salinization Syndrome (Phase 2)(\$2.4 million)
- 2021-23 Co-PI, EAGER: SAI: SmarTrail: An Infrastructure Services Framework for Sustainable Trail Management, National Science Foundation EAGER Strengthening American Infrastructure Grant (\$299,350)
- Co-PI, Research Experiences for Undergraduates (REU) Supplemental grant (\$8000)
- 2021-22 Instructional Innovation Grant (focusing on equity, inclusion, and diversity), College of Architecture and Urban Studies, Virginia Tech (\$500)
- 2020-21 PI , Distancing and Digital Information in the Face of COVID-19, National Science Foundation RAPID Response Grant (\$98,285)
- 2020-21 Co-I, Exploring Convergence Research: An Initial Examination of What It Means and What It Hopes to Accomplish, National Science Foundation EAGER Grant (\$299,921)
- 2020-21 PI, Distancing and Digital Information Brew in the Face of Coronavirus, Institute for Society, Culture, and Environment, Virginia Tech (\$7,500)
- 2020-21 PI, Checking (It) Out from Georgia to Maine: Risk, Resource Management, and Social Informatics on the Appalachian Trail, Institute for Society, Culture, and Environment, Virginia Tech (\$30,000)

- 2020-21 PI, Digital Mind: Thinking in an Age of Fleeting Attention, Center for Digital Humanities Summer Research Award (\$ 4,000)
- 2020-21 Co-PI, CONVERGE Working Group grant on Technology, Policy, and the Public Sector in the COVID-19 Environment, National Science Foundation-funded Social Science Extreme Events Research (SSEER) Network (\$1,000)
- 2020-21 PI, Grant from the Virginia Tech Provost's Office to host and chair the 2021 International Science of Team Science Conference in Arlington, VA (\$45,000)
- 2017-18 Co-PI, Caution: Heavy Load Ahead, Smart and Connected Communities- Planning Grant, National Science Foundation (\$99,354)
- 2017-2018 PI, Thinking and Decision Making in An Age of Divided Attention, Institute for Society, Culture, and Environment, Virginia Tech (\$30,000)
- 2016-19 Think Tank Lead, *Being a Cross-disciplinary Scientist*, Creating a Culture of Collaboration at George Washington University (C3GWU) Initiative (\$ 7500)
- 2013-14 PI, Conceptualizing and Measuring Transdisciplinary Orientation, Institute for Society, Culture, and Environment, Virginia Tech (\$10,000)
- 2013-17 Co-I, D.C. Initiative, Institute for Society, Culture, and Environment, Virginia Tech (\$200,000)
- 2013-15 Consultant, BRIDGES: Building Resources through Integrating Disciplines for Group Effectiveness in Science, National Science Foundation (\$400,000)
- 2013-15 PI, Faculty Mentoring Grant, Office of the Provost, Virginia Tech (\$1500)
- 2012-14 Co-PI, Creating an International Program for Sustainable Infrastructure Development, Obama-Singh 21<sup>st</sup> Century Knowledge Initiative Grant (\$250,000)
- 2010-12 Co-PI, Postdoctoral Research Grant, Tracking the Transdisciplinary Scientific Impacts of NAKFI, National Academies Keck *Futures* Initiative (NAKFI) (\$140,142)
- 2009-10 Co-PI, Pre-doctoral Research Grant, *Tracking the Transdisciplinary Scientific Impacts of NAKFI*, National Academies Keck *Futures* Initiative (NAKFI) (\$57,649)
- 2009 Summer Research Grant, Department of Planning, Policy, and Design, University of California, Irvine (\$2500)
- 2008 Digital Cultures Small Seed Grant, Intel's People and Practices Research at the University of California, Irvine (\$ 3754)
- 2007 Summer Research Grant, Department of Planning, Policy, and Design, University of California, Irvine (\$1500)
- 2007 Dean's Summer Research Grant, School of Social Ecology, University of California, Irvine (\$2200)
- 2006-07 Graduate student researcher, Pre-doctoral Research Grant, National Institute of Health Roadmap Interdisciplinary Training from the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDKD), (\$644,000)

- 2006 Summer Research Grant, Department of Planning, Policy, and Design, University of California, Irvine (\$2500)
- 2005 Summer Research Grant, 2005-06, Department of Planning, Policy, and Design, University of California, Irvine (\$400)

## PUBLICATIONS

### Peer-Reviewed Articles

1. Gajary, L. C.\*\*, **Misra, S.**, Desai, A., Evasius, D.M., Frechtling, J., Pendelebury, D.A., Schnell, J.D., Silverstein, G., Wells, J. (2023). Convergence Research as a 'System-Of-Systems': A Framework and Research Agenda. *Minerva*. <https://doi.org/10.1007/s11024-023-09503-1>
2. Rippy, M.A., Grant, S.B., Roston, B.\*, Berglund, E., Aminpour, P.\*\*, Krauss, L\*, Bhide, S.V.\*, Schenk, T., Rowles, K., **Misra, S.**, Birkland, T., Kaushal, S. (under review). Characterizing Stakeholder Understanding of the Social-Ecological System (SES) for Inland Freshwater Salinization using Fuzzy Cognitive Maps: Implications for Collective Management. *Nature Sustainability*.
3. Bhide, S.V.\*, Grant, S. B., Rippy, M.A., Laursen, B.\*\*, Whitley, H.\*\*, **Misra, S.**, Schenk, T. Kaushal, S., Stacy, M.\*, Birkland, T., Vikesland, P., Roston, B.\*, Monofy, A.\*\* (under review). *Proceedings of the National Academy of Sciences*.
4. Grant, S. Rippy, M., Birkland, T., Schenk, T. Rowles, K. **Misra, S.**, Aminpour, P.\*\*, Kaushal, S., Vikesland, P., Berglund, E., Gomez-Velez, J., Hotchkiss, E., Mesa-Perez, G., Zhang, H., Armstrong, K., Bhide, S., Krauss, L., Maas, C., Mendoza, K., Shipman, C., Zhang, Y, Zhong, Y. (2022). Can Common Pool Resource Theory Catalyze Stakeholder-Driven Solutions to the Freshwater Salinization Syndrome? *Environmental Science and Technology*. 56, 19, 13517–13527. DOI: 10.1021/acs.est.2c01555
5. Huang, L.\*, Lim, T.C., & **Misra, S.** (2022). Interdisciplinary inquiry and spatial green stormwater infrastructure research. *Sustainability*. 14. 1198. <https://doi.org/10.3390/su14031198> Available online: <https://www.mdpi.com/2071-1050/14/3/1198/htm>
6. **Misra, S.**, Roberts, P., & Rhodes, M.\* (2020). Information overload, stress, and emergency managerial thinking and decision-making. *International Journal of Disaster Risk Reduction*. 51. Available online: <https://www.sciencedirect.com/science/article/abs/pii/S2212420920312644>
7. **Misra, S.**, Roberts, P., & Rhodes, M.\* (2020). The ecology of emergency management work in the digital age. *Perspectives on Public Management and Governance*. Published online before print: doi:10.1093/ppmgov/gvaa007.
8. Trivedi, C. & **Misra, S.** (2018). Dialogue and the creation of transformative social change: The case of social enterprises. Special series on communication in transdisciplinary teams. *Informing Science: The International Journal of an Emerging Transdiscipline*, 21, 107-132.
9. Lotrecchiano, G. & **Misra, S.** (2018). Transdisciplinary knowledge producing teams: Toward a complex systems perspective. Special series on communication in transdisciplinary teams. *Informing Science: The International Journal of an Emerging Transdiscipline*, 21, 51-74.
10. **Misra, S.** & Lotrecchiano, G. (2018). Transdisciplinary communication. Special series on communication in transdisciplinary teams. *Informing Science: The International Journal of an Emerging Transdiscipline*, 21, 41-50.

11. **Misra, S.**, Cheng, L.\* , Genevie, J.\* , & Yuan, M.\* (2016). The iPhone effect: The quality of in-person social interactions in the presence of mobile technologies. *Environment & Behavior*, 48 (2), 275-298. (Published online before print July 1, 2014, doi: 10.1177/0013916514539755) Available online: <http://eab.sagepub.com/content/48/2/275>
12. **Misra, S.**, Stokols, D., & Cheng, L.\* (2015)<sup>2</sup>. The Transdisciplinary Orientation Scale: Factor Structure and Relation to the Integrative Quality and Scope of Scientific Publications. *Journal of Translational Medicine and Epidemiology*, 3(2): 1042. (Journal name changed to Journal of Collaborative Healthcare and Translational Medicine) <https://www.jscimedcentral.com/journal-article-pdf/Journal-of-Collaborative-Healthcare-and-Translational-Medicine-/translationalmedicine-3-1042.pdf>
13. Trivedi, C. & **Misra, S.** (2015). Relevance of systems thinking and scientific holism to social entrepreneurship. *Journal of Entrepreneurship*, 24 (1), 37-62.
14. **Misra, S.**, Stokols, D., and Marino, A.H. (2013). Descriptive, but not Injunctive, Normative Appeals Increase Response Rates In Web-based Surveys. *Journal of MultiDisciplinary Evaluation*, 9 (21). Available online at: [http://journals.sfu.ca/jmde/index.php/jmde\\_1/article/view/381](http://journals.sfu.ca/jmde/index.php/jmde_1/article/view/381)
15. **Misra, S.** and Stokols, D. (2012). A typology of people-environment relationships in the digital age. *Technology in Society*, 34 (4), 311-325. Available online at: [at: http://www.sciencedirect.com/science/article/pii/S0160791X12000577](http://www.sciencedirect.com/science/article/pii/S0160791X12000577)
16. **Misra, S.**, Stokols, D., & Marino, A. (2011). Using Norm-Based Appeals to Increase Response Rates in Evaluation Research: A Field Experiment. *American Journal of Evaluation*, 33 (1), 88-98 Available online at: <http://aje.sagepub.com/content/early/2011/07/19/1098214011414862>
17. **Misra, S.** and Stokols, D. (2011). Psychological and health outcomes of perceived information overload. *Environment & Behavior*, 44 (6), 737-759. Available online at: <http://eab.sagepub.com/content/early/2011/04/15/0013916511404408>
18. **Misra, S.**, Harvey, R., Stokols, D., Pine, K., Fuqua, J., Shokair, S., & Whiteley, J. (2009). Evaluating an interdisciplinary undergraduate training program in health promotion research. *American Journal of Preventive Medicine*, 36(4), 358-365. Available online at: <http://dx.doi.org/10.1016/j.amepre.2008.11.014>
19. Stokols, D., **Misra, S.**, Runnerstrom, M. G., & Hipp, J. A. (2009). Psychology in an age of ecological crisis: From personal angst to collective action. *American Psychologist*, 64 (3), 181-193.
20. <sup>3</sup>Stokols, D., **Misra, S.**, Moser, R., Hall, K., and Taylor, B. K. (2008). The ecology of team science: Understanding contextual influences on transdisciplinary collaboration. *American Journal of Preventive Medicine* (Supplement on the Science of Team Science), 35 (2), S96-S115.
21. **Misra, S.** (2007). Spirituality, culture and the politics of environmentalism in India. *Journal of Entrepreneurship* (Sage Publications), 16 (2), 131-145.

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<sup>1</sup> iPhone Effect paper is in the top 5% of all research outputs scored by Altmetric. Altmetric has tracked 7,012,673 research outputs across all sources so far. It is ranked # 4 among 710 outputs from the journal Environment & Behavior. Its "Attention Score" is in the 99<sup>th</sup> percentile of all outputs of the same age. <https://sage.altmetric.com/details/2484111#twitter-demographics> This publication has received widespread international and national media attention and has been featured on numerous news websites, newspapers, magazines, blogs, TV and radio shows including Doonesbury, CNN, Washington Post, NYTimes, BBC, Science Magazine, Phys.org, British Psychological Society, Pacific Standard, Pulse of the Planet, and many more. It was cited by Pope Francis in his December 2019 New Year's sermon.

<sup>2</sup> Featured in Insider Higher Ed and Virginia Tech News.

<sup>3</sup> Thomson Reuters' Essential Science Indicators citation analysis designated the Stokols, Misra, Moser, Hall, & Taylor (2008) paper to be "one of the most cited papers" in the research area of transdisciplinary research (November, 2008)

### Edited Volume

Lotrecchiano, G. & **Misra, S.**<sup>4</sup> (Eds). (2018). Special series on communication in transdisciplinary teams. *Informing Science: The International Journal of an Emerging Transdiscipline*, 21, 41-253.

### Edited Book

1. Lotrecchiano, G. & **Misra, S.**<sup>5</sup> (Eds). (2020). *Communication in transdisciplinary teams*. Informing Science Institute: Santa Rosa, CA. (Open Educational Resource).
2. Stuhler, E. A. and **Misra, S.** (Eds.) (2008). *Across disciplinary boundaries towards a sustainable life: Psychodynamic reflection on human behavior*. Rainer Hampp Verlag, Muenchen, Mering.

### Book Chapters (Refereed)

1. Roberts, P.S., **Misra, S.**, Goldberg-Foss, M. (2022). Open Governance and Disaster Planning, Recovery, and Response: Lessons from the United States. In: Kanbara, S., Shaw, R., Kato, N., Miyazaki, H., Morita, A. (eds) *Society 5.0, Digital Transformation and Disasters. Disaster Risk Reduction*. Springer, Singapore. [https://doi.org/10.1007/978-981-19-5646-1\\_10](https://doi.org/10.1007/978-981-19-5646-1_10)
2. Roberts, P., **Misra, S.**, & Tang, J. (2021). Crisis Governance, Emergency Management, and the Digital Revolution. *Oxford Handbook of Crisis Management (Oxford Research Encyclopedia on Politics)* <https://doi.org/10.1093/acrefore/9780190228637.013.1985>
3. Klein, J. T., **Misra, S.**, & Lotrecchiano, G. (2020). Introduction: Communication in inter- and trans-disciplinary teams. In G. Lotrecchiano & Misra. S (Eds). *Communication in transdisciplinary teams*. Informing Science Institute: Santa Rosa, CA, 1-17.
4. Lotrecchiano, G. & **Misra, S.** (2020). Transdisciplinary knowledge producing teams: Team processes, knowledge, skills, and competencies. In G. Lotrecchiano & Misra. S (Eds). *Communication in transdisciplinary teams*. Informing Science Institute: Santa Rosa, CA, 19-54.
5. Trivedi, C. & **Misra, S.** (2020). Communicative processes in trans-sector transdisciplinary collaborations. In G. Lotrecchiano & Misra. S (Eds). *Communication in transdisciplinary teams*. Informing Science Institute: Santa Rosa, CA, 91-121.
6. Stokols, D. **Misra, S.**, & Lotrecchiano, G. (2020). Emerging directions in the Science of Team Science: An interview with Professor Daniel Stokols. In G. Lotrecchiano & Misra. S (Eds). *Communication in transdisciplinary teams*. Informing Science Institute: Santa Rosa, CA, 309-327.
7. Lotrecchiano, G. & **Misra, S.** (2019). A systems perspective for measuring the features of transdisciplinary knowledge producing teams. In J. Sturmberg (Ed). *Embracing complexity in health. The transformation of science, practice and policy*. New York, NY: Springer.
8. **Misra, S.** & Trivedi, C. (2017). Psychological impacts of technological change: An Ethnic Minority Perspective. In Czopp, A. & Blume, A. (Eds). *Social Issues in Living Color: Challenges and Solutions from the Perspective of Ethnic Minority Psychology* Praeger, 221-242.
9. **Misra, S.**, Hall, K., Feng, A., Stipleman, B., and Stokols, D., (2011). Collaborative Processes in Transdisciplinary Research. In M. Kirst, Schaefer-McDaniel, N., Hwang, S., O' Campo, P. (Eds.).

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<sup>4</sup> We used the equal contributions approach for the sequence of the editors of this volume. The order of authorship is listed alphabetically.

<sup>5</sup> We used the equal contributions approach for the sequence of the editors of this volume. The order of authorship is listed alphabetically.

*Converging Disciplines: A Transdisciplinary Research Approach to Urban Health Problems*. New York: Springer, 97-110.

10. **Misra, S.**, Stokols, D., Hall, K., and Feng, A. (2011). Transdisciplinary Training in Health Research: Distinctive Features and Directions for the Future. In M. Kirst, Schaefer-McDaniel, N., Hwang, S., O' Campo, P. (Eds.). *Converging Disciplines: A Transdisciplinary Research Approach to Urban Health Problems*. New York: Springer, 133-148.
11. Stokols, D., Hall, K., Moser, R., Feng, A., **Misra, S.**, & Taylor, B. K. (2010). Evaluating cross-disciplinary team science initiatives: Conceptual, methodological, and translational perspectives. In R. Frodeman, J. T. Klein, and C. Mitcham (Eds.). *Oxford Handbook on Interdisciplinarity*. New York: Oxford University Press, 471-493.
12. Fuchs, R. and **Misra, S.** (2008). Need and possibility for analyzing human motivation potential related to sustainability. In E.A. Stuhler and S. Misra (Eds.). *Across disciplinary boundaries towards a sustainable life: Psychodynamic reflection on human behavior*. Rainer Hampp Verlag, Muenchen, Mering.

### Open Access Teaching Cases (Refereed)

1. **Misra, S.** (2022). *Albatross County Child Abuse Screening Tool*. Open Access Teaching Case Developed for the Tech for Humanity Pathways Minor (Funded by: The Andrew Mellon Foundation).
2. **Misra, S.** (2022). *Front Porch Forum Case*. Open Access Teaching Case Developed for the Tech for Humanity Pathways Minor (Funded by: The Andrew Mellon Foundation).
3. **Misra, S.** (2022). *Masakhane – “We Build Together”*. Open Access Teaching Case Developed for the Tech for Humanity Pathways Minor (Funded by: The Andrew Mellon Foundation).
4. **Misra, S.** (2022). *The Quantified Self*. Open Access Teaching Case Developed for the Tech for Humanity Pathways Minor (Funded by: The Andrew Mellon Foundation).

### Book Reviews

1. **Misra, S.** (2020). Review of the book by Richard Coyne, *Network Nature: The Place of Nature in the Digital Age*, *Journal of Urban Technology*, 27(2), pp. 103-106.
2. **Misra, S.** (2018). Review of the book by Stokols, D. (2018). Social Ecology in the Digital Age: Solving Complex Problems in a Globalized World. *Journal of Entrepreneurship*, 27 (2), 313-319.
3. **Misra, S.** (2015). Review of the book by Das, J.P. (2014). Consciousness Quest: Where East Meets West. *Journal of Entrepreneurship/Sage Publications*, 24 (2), 251-256.
4. **Misra, S.** (2014). Review of the book by Pawar, B.S. (2009). Theory Building for Hypothesis Specification in Organizational Studies. *Journal of Entrepreneurship/ Sage Publications*, 23(1), 159-162.
5. **Misra, S.** (2013). Review of the book by Vormans, K., Paslack, R., Isildar, G. Y., de Vrind, R., & Simon, J. W. (Eds). (2012). Environmental Ethics: An Introduction and Learning Guide. *Journal of Entrepreneurship/ Sage Publications*, 22(2), 245-256.
6. **Misra, S.** (2010). [Review of the book *Employee Identity in Indian Call Centres: The Notion of Professionalism*]. *Journal of Entrepreneurship*, 19(2), 228-233.



7. Trivedi, C. & **Misra, S.** (2009). [Review of the book *Impact of e-commerce on consumers and small firms*]. *Journal of Entrepreneurship*, 18(1), 122-126.
8. **Misra, S.** (2007). [Review of the book *Public relations writing: Principles in practice*]. *Journal of Entrepreneurship*, 16(2), 219-223.
9. **Misra, S.** (2007). [Review of the book *Environmental management (2<sup>nd</sup> ed.)*]. *Journal of Entrepreneurship*, 16(1), 109-113.
10. **Misra, S.** (2006). [Review of the book *Management of environmental problems and hazards in Nigeria*]. *Journal of Entrepreneurship*, 15(2), 223-225.
11. **Misra, S.** (2005). [Review of the book *The new face of environmental management in India*]. *Journal of Entrepreneurship*, 14(2), 166-168.

## TECHNICAL REPORTS

1. **Misra, S.** (with Frechtling, J., Desai, A., Wells, J., Gajary, L., Silverstein, G., Schnell, J.). (2021). Exploring convergence research: An initial examination of what it means and what it hopes to accomplish. Prepared for the National Science Foundation by Westat and Clarivate. Rockville, MD: Westat.
2. **Misra, S.** (with Roberts, P., Blumenthal, M., Das, M., Clark-Ginsberg, A., Glick, J., Hickman, M., McKeague, L., Sterett, S., Tang, J., & Xie, R.) (2020). *Technology, Policy, and the Public Sector in the COVID-19 Environment*. Research Agenda Setting Paper for the CONVERGE COVID-19 Working Groups for Public Health and Social Science Research. National Science Foundation-funded Social Science Extreme Events Research (SSEER) network and the CONVERGE facility at the Natural Hazards Center at the University of Colorado Boulder. [https://converge.colorado.edu/v1/uploads/images/technology\\_covid\\_19\\_environment-1595254620992.pdf](https://converge.colorado.edu/v1/uploads/images/technology_covid_19_environment-1595254620992.pdf)
3. **Misra, S.** (with Hall, R. P., Garvin, M., Desousa, K., An, Y., Misra, S., Bajpai, K.K., Dikshit, O., Sharma, M., Yadav, R.). (2012). *Creating an International Program for Sustainable Infrastructure Development : Kick off Meeting Report*.
4. **Misra, S.** (with Peckham, H.P, Burg, K., Knight, R. O. B., Leduc, P. R., Petsko, G.A. Weinrich, M. Fulton, K. R., Suda-Blake, K.A.; Marino, A. H., Stokols, D. (2012). *Sowing the Seeds of Science: Exploring the Impacts of NAKFI Genomics and Smart Prosthetics Seed Grants*. The National Academies Keck Futures Initiative.

## PRESENTATIONS

### Invited Lectures, Colloquiums, Panels, and Presentations

- |      |                                                                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2023 | Virginia Tech Public Interest Technology Initiative. Briefing to Washington D.C. Homeland Security and Emergency Management Agency (with Patrick Roberts), January 2023, Washington D.C. |
| 2022 | Toward Human-Centered Futures in the Digital World. Future Humans-Human Futures Institute on Religion, Technology, and Ethics. June, 2022. Arlington, VA.                                |
| 2022 | Misra, S. & Roberts, P. (2022). A Framework to Guide the Use of Artificial Intelligence in Public Administration. CAUSforum: 100 Illuminating Minutes. February, 2022 (Online).          |

- 2021 The Ecology of Emergency Management in the Digital Age. Digital Transformation of Public Management Panel organized by the Perspectives on Public Management and Governance.
- 2021 Misra, S. & Roberts, P. (2021). What Artificial Intelligence Means for Public Managerial Reasoning and Decision-Making. AI Workshop, Korean Association of Policy Studies Conference, June 16, 2021.
- 2021 Misra, S. & Roberts, P. (2021). A Framework to Guide the Use of Artificial Intelligence in Public Administration. AI Workshop, Korean Association of Policy Studies Conference, September, 2021.
- 2021 Addressing Megaregional Challenges through Cross-sectoral Collaboration. Panel lead. International Science of Team Science Conference, June 7-11, 2021.
- 2021 Discovering and Representing Deep Integration in Convergence Research. Panel lead. International Science of Team Science Conference, June 7-11, 2021.
- 2020 The Ecology of Team Science. Keynote lecture and training workshop for the American Association of the Colleges of Pharmacy Annual Research Symposium, Rio Grande, Puerto Rico, February 2020.
- 2018 Social, Psychological, and Health Implications of Digital Technologies. Advancing the Human Condition Symposium, Virginia Tech, November, 2018.
- 2018 Transdisciplinary Research: Defining Features. Invited lecture for the National Science Foundation Workshop on Accelerating Innovation, Leadership, and Outcomes for the Next Generation of Engineering Research Centers (ERCs), October, 2018.
- 2017 Emerging SciTS Scholars Panel (Co-lead with Deborah DiazGranados). SciTS Conference, Clearwater, FL., June 2017.
- 2017 National Academy of Sciences Keck Futures Initiative (NAKFI) Think Tank "Beyond Boundaries" on Human-Technology Interfaces.
- 2016 The Digital Mind: Psychological Science in the Age of Fleeting Attention, 2016 American Psychological Association Annual Convention, August 2016. (Invited lecture and chair of panel)
- 2015 Fundamentals of Team Science Workshop, 2015 Science of Team Science Conference, Bethesda, MD, June 2, 2015.
- 2015 The Ecology of Team Science: Contextual Influences on Interdisciplinary Collaboration. Managing Team Science Workshop, Metropolitan Institute, Virginia Tech, January 27, 2015.
- 2014 Invited lecture and chair of a panel on "Societal Implications of Digital Technologies". 2014 American Psychological Association Convention, Washington, D.C., August 7-10, 2014.
- 2013 Research in Progress Symposium, School of Public and International Affairs, Virginia Tech
- 2009 Invited lecture on Psychology in an Age of Ecological Crisis at Mount Sinai School of Medicine, New York, Department of Psychiatry Colloquium

### Conference Presentations

1. Rippy, M.A., Grant, S.B, Roston, B., Berglund, E., Krauss, L., Bhide, S., Schenk, T., Rowles, K., Birkland, T., **Misra, S.**, Kaushal, S. (2022). Characterizing Stakeholder Understanding of the Social-Ecological System (SES) for Inland Freshwater Salinization: Implications for Collective Management. Poster presented at the 2022 American Geophysical Union Conference, December 2022, Chicago, IL.
2. Saaty, M., Patel, J. V., Abdelgawad, N., Marion, J., McCrickard, D.S., **Misra, S.**, Wernstedt, K. (2022). Studying Sustainable Practices of Appalachian Trail Community based on Reddit Topic Modelling Analysis. Research Note for ACM SIGCAS Conference on Computing and Sustainable Societies (COMPASS 2022), June 2022, Seattle, WA.
3. **Misra, S.** (2022). Redesigning the Planning Theory and History Course According to the Principles of Anti-Racist Pedagogy. Poster presentation for CAUS DEI Curricular Innovation Challenge Spring 2022, March 2022, Virginia Tech.
4. Gajary, L. C., **Misra, S.**, & Desai, A.(2022). Understanding and evaluating Convergence Research: Enriching our conceptualizations to meet our aspirations. Institutions and the Scientific Research Agenda Workshop, The Center for the Philosophy of Science. University of Pittsburgh, April 8-10, 2022.
5. Gajary, L. C., **Misra, S.**, & Desai, A. (2021). Developing Adaptive Logic Models For Planning and Evaluation of Convergence Research Programs. The 39<sup>TH</sup> International Systems Dynamics Conference, July 25-30, 2021 (Online).
6. Roberts, P., **Misra, S.**, & Tang, J. (2020). Crisis Governance, Emergency Management, and the Digital Revolution," American Political Science Association, virtual conference, September 10, 2020 (Online).
7. Lottrechiano, G. & **Misra, S.** (2019). Observational and analytic features transdisciplinary knowledge producing teams. 2019 Science of Team Science Conference, Lansing, Michigan.
8. **Misra, S.**, Rhodes, M., & Roberts, P. (2019). Information overload, stress, and emergency managerial thinking: Implications for collaboration. International Network for the Science of Team Science Conference, Lansing, MI, May 20-23, 2019.
9. Lottrechiano, G. & **Misra, S.** (2019). Complexity skills development for transdisciplinary knowledge producing teams. International Network for the Science of Team Science Conference, Lansing, MI, May 20-23, 2019.
10. Tang, J., **Misra, S.**, Roberts, P. (2019). Crisis management decision making in an era of misinformation and rumor. PAT-NET conference, Denver, CO.
11. Lotrechiano, G. & **Misra, S.** (2019). Complexity Skills Development for TDKPTs. International Systems and Complexity Science in Health, April 3, Knoxville, TN.
12. **Misra, S.**, Rhodes, M., & Roberts, P. (2018). Information overload and Emergency Managerial Thinking and Decision Making. American Association of Public Administration and Management, Washington D.C. Nov. 8 -11, 2018.
13. Lottrechiano, G. & **Misra, S.** (2017). Observational and analytic features transdisciplinary knowledge producing teams. Informing Science Institute (InSITE) Conference, Ho Chi Minh City, Vietnam, July 31 – Aug 5, 2017.
14. Lottrechiano, G. & **Misra, S.** (2017). Features of transdisciplinary knowledge producing teams: A complexity perspective. Association for Integrative Studies Conference, Baltimore, MD, October 19-21, 2017.

15. **Misra, S.** & Trivedi, C. (2017). The integral place of dialogue in social entrepreneurial ventures. SciTS Annual Conference, Clearwater, FL., June 12-15, 2017.
16. Lotrecchiano, GR, Cleary, S; McDonald, PL, **Misra, S**, Storberg-Walker, J, Watkins, R (2017) Creating a Culture of Collaboration at George Washington University (C<sup>3</sup>@GWU): University Seminar Think Tanks and Aims 2017 SciTS Annual Conference, Clearwater, FL., June 12-15, 2017.
17. **Misra, S.** (2015). Transdisciplinary orientation and its relation to the quality of scientific products. NIH Science of Team Science Conference, Bethesda, MD, June 2-5, 2015.
18. **Misra, S.** (2014). The iPhone effect: In-person social interactions in hybrid third places. 2014 Association of Collegiate Schools of Planning Annual Convention, Philadelphia, PA, October 30-November 2, 2014.
19. **Misra, S.** Cheng, L.\*, Yuan, M.\*, & Genevie, J.\* (2014). Impact of Impact of Digital Technologies on Face-to-Face Interactions in Hybrid Third Places: A Naturalistic Field Experiment. Paper to be presented at the 2014 Environmental Design Research Association Conference, New Orleans, LA, May 28-31, 2014.
20. **Misra, S.** (with Marino, A.H. & Stokols, D.). (2013). *Expert Peer Review and Bibliometric Analysis: A Mixed Methods Approach to Measuring The Scientific and Societal Impacts of the National Academies Keck Futures Initiative's Seed Grant Program*, presented at the Annual Conference of the American Evaluation Association, Washington, D.C., October 2013.
21. **Misra, S.**, & Genevie, J. (2013). *The Experience of Place: How Digital Technologies are Restructuring Public Places*. Poster presented at the 2013 Environmental Design Research Association Conference, Providence, RI, June, 2013
22. **Misra, S.**, Marino, A., Stokols, D. (2011). *Evaluating the Scientific Impacts of the National Academies Keck Futures Initiative*. Poster presented at the Science of Team Science 2011 Conference, Chicago, IL, April, 2011
23. **Misra, S.**, Stokols, D., & Marino, A. (2010). *Using Norm-Based Appeals to Increase Response-Rate in Evaluation Research: A Field Experiment*. Paper presented at the American Evaluation Association Conference, San Antonio, Texas, November, 2010
24. Stokols, D., **Misra, S.**, Hall, K., Taylor, B. and Moser, R. (2006). *The Ecology of Team Science: Understanding Contextual Influences on Transdisciplinary Collaboration*. Paper presented at the National Cancer Institute Conference on 'The Science of Team Science', Bethesda, MD., October, 2006
25. Doerner, D., Gerdes, J., Mayer, M., & **Misra, S.** (2006). *A simulation of cognitive and emotional effects of overcrowding*. Paper presented at the International Conference of Cognitive Modeling, Trieste, Italy, April, 2006.

## DOCTORAL DISSERTATION

**Misra, S.** (2010). *The Qualities of Virtual Life: A Theoretical and Empirical Investigation*. University of California, Irvine.

*Dissertation Chair:* Daniel Stokols, Ph.D., Chancellor's Professor, Dept. of Planning, Policy, and Design; Dept. of Psychology and Social Behavior; and Program in Public Health, University of California, Irvine.

## MASTER'S THESIS

**Misra, S.** (2004). *Behavior in a dynamically simulated task domain: Mining higher order cognitive functions.* Technical University of Munich, Germany.

*Thesis Co-Chairs:*

Prof. Dr. Dietrich Doerner, Professor and Chair Psychology, Institut für Theoretische Psychologie, University of Bamberg, Germany.

Prof. Dr. Wolfgang Schröder, Professor and Chair Wildlife Biology and Management, Technical University of Munich, Germany.

## TEACHING EXPERIENCE

### Instructor

*\*Certified Online Instructor (2019), Virginia Tech Technology-Enhanced Learning and Online Strategies*

Fall 2020, 2022	Urban Social Ecology
Fall 2020, 2021, 2022, 2023	Collaborative Planning and Community Involvement
Spring 2019, 2020, 2021, 2022, 2023	Transdisciplinary Problem Solving for Social Issues (Undergraduate course at Virginia Tech)
Spring 2017, Fall 2017, Fall 2018	Advanced Research Methods (Graduate course at Virginia Tech)
Spring 2015, 2016, 2017, 2018	Behavioral Skills for Public Managers (Graduate course at Virginia Tech)
Fall 2013, 2014, 2016 Spring, 2016, 2018, 2019, 2020, 2021, 2022, 2023	Theory and Practice of Planning / Planning Theory and History (Graduate course at Virginia Tech)
Spring 2013, 2014	The Urban Impacts of Globalization (Graduate course at Virginia Tech)
Fall 2012, 2013, 2014, 2016, 2017, 2018, 2021, 2023	Environment and Behavior Studies (Graduate course at Virginia Tech)
Summer 2009	Environmental Psychology (Undergraduate course at the University of California, Irvine)

### Guest Lecturer

Spring 2019	Graduate Seminar in Disaster Risk and Resilience (Graduate course at Virginia Tech)
Spring 2018, 2023	Information Technology, Policy, and Society (Graduate course at Virginia Tech)

Spring 2011	Environmental Psychology (Undergraduate course at the University of California, Irvine)
Winter 2008	Environmental Psychology (Undergraduate course at the University of California, Irvine)
Spring 2008	Environmental Psychology (Undergraduate course at the University of California, Irvine)

## MENTORING AND ADVISING

### **PhD Students**

*Shruti Punjabi* (Chair, Ph.D. Planning, Governance, and Globalization, Virginia Tech)

*Norhan Abdelgawad* (Chair, Ph.D. Planning, Governance, and Globalization, Virginia Tech)

*Morva Saaty* (Committee Member, Ph.D. Computer Science, Virginia Tech)

*Arica Young* (Committee member, graduated 2021, Ph.D. Planning, Governance, and Globalization, Virginia Tech)

*Khushboo Gupta* (Committee member, graduated 2019, Committee member, Ph.D. Planning, Governance and Globalization, Virginia Tech)

*Trevor Flanery* (Committee member, graduated Fall 2016, Doctoral Committee Member; Ph.D. Planning, Governance, and Globalization, Virginia Tech)

### **Master's Students**

*Zuhra Malik* (Thesis co-Chair, Spring 2024 (expected), Master of Urban and Regional Planning, Virginia Tech)

*Justine Gonzalez-Velez* (Thesis committee member, Spring 2024 (expected), Master of Urban and Regional Planning, Virginia Tech)

*Mackenzie Carney* (Thesis Chair, Spring 2023, Master of Urban and Regional Planning, Virginia Tech)

*C. Meranda Flachs-Surmanek* (Thesis Co-Chair, Fall 2023, Master of Urban and Regional Planning, Virginia Tech)

*Jaitun Patel* (Thesis committee member, Spring 2023, M.S. Computer Science, Virginia Tech)

*Pauline Koy* (Capstone Chair, Fall 2021, Master of Urban and Regional Planning, Virginia Tech)

*Alexis McMillan* (Capstone Chair, Fall 2021, Master of Urban and Regional Planning, Virginia Tech)

*Jacob Landis* (Capstone Chair, Fall 2021, Master of Urban and Regional Planning, Virginia Tech)

*Matthew Rhodes* (Capstone committee member; Spring 2019; Master of Urban and Regional Planning, Virginia Tech)

*James Mills* (Capstone committee member; Spring 2019; Master of Urban and Regional Planning, Virginia Tech)

*Jasmine Boyd* (Capstone committee member; Spring 2018; Master of Urban and Regional Planning, Virginia Tech)

*Ryan Johnson* (Capstone committee co-chair; Spring 2018; Master of Urban and Regional Planning, Virginia Tech)

*Ryan Michael DeLaney* (Master's thesis committee member, Fall 2017, March, Virginia Tech)

*Carlos Colunga* (Master's thesis committee member, MArch, Virginia Tech)

*Sarah Stellar* (Capstone committee member, Spring 2017, Master of Urban and Regional Planning, Virginia Tech)

*Meliha Aljabar* (Capstone Committee Chair; Fall 2016; Master of Urban and Regional Planning, Virginia Tech)

*Kyle Redican* (Capstone Committee Member, Spring 2016, Master of Urban and Regional Planning, Virginia Tech)

*Adam Watson* (Capstone Committee Member, Spring 2016, Master of Urban and Regional Planning, Virginia Tech)

*Nicolas Ruiz* (Capstone Committee Member, Spring 2016, Master of Urban and Regional Planning, Virginia Tech)

*Mackenzie Jarvis* (Capstone Committee Member, Fall 2015, Master of Urban and Regional Planning, Virginia Tech)

*Jamie Genevie* (Master's Thesis Committee Chair; 2014; Master of Urban and Regional Planning, Virginia Tech)

### **EDITORIAL BOARD MEMBER**

Journal of Collaborative Healthcare and Translational Medicine

### **BOARD OF DIRECTORS**

2018-2021: Board of Directors, International Network for the Science of Team Science (INSciTS)

2018-2021: Co-Chair, Strategic Conference Planning Committee, INSciTS

### **PROFESSIONAL AFFILIATIONS**

Environmental Design Research Association

American Psychological Association, Division 34, Population and Environmental Psychology

American Psychological Association

Association for Psychological Science

American Planning Association

Association for the Collegiate Schools of Planning

International Network for the Science of Team Science

Urban Affairs Association

### **REVIEWER (selected)**

Review Panelist and Ad-hoc Reviewer for National Science Foundation. Decision, Risk, and Management Sciences, Research Evaluation, Action Research Journal, Psychological Science, Journal of Environmental Psychology, Environment & Behavior, Environmental Science and Policy, Field Methods, CBE-Life Sciences, International Journal of STEM Education, Mobile and Media Communication, Computers in Human Behavior, GAIA, International Journal of Disaster Risk Reduction, Informing Science, Progress in Community Health Partnerships: Research, Education, and Action, Journal of Entrepreneurship

### **DEPARTMENTAL AND UNIVERSITY SERVICE (selected)**

SPIA P&T Committee Member (2021-2023)

Faculty Search Committee (Diversity and Inclusion Advocate) (2021-2022)

Member of the Review Committee for the Institute for Society, Culture, and the Environment (2021-2022)

Anti-racist pedagogy task force/DEI Committee, Urban Affairs and Planning (Spring 2020-present)

Policy Strategic Growth Area Committee Member (2017-2019)

Member, UAP Faculty Search Committees (2014, 2015, 2016)

Member, MURP Admissions Committee (2015-2022)

Member, MURP Curriculum Development Committee (2016-2017)

Organizing team member, 2014 Ridenour Faculty Fellowship Conference 2014 (2013-2014)