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Professional Experience

- 2017 - • Associate Professor, Department of Geography, University of Connecticut (UConn), Storrs
- 2011 - 2017 • Assistant Professor, Department of Geography, University of Connecticut (UConn), Storrs
- 2011 - • Principal Investigator of Institute for Collaboration on Health, Intervention and Policy, UConn, Storrs
- 2011 - • Affiliate member of Center for Environmental Science and Engineering (CESE), UConn, Storrs
- 2011 - • Affiliate member of Center for Interdisciplinary Research on AIDS, Yale University, School of Medicine, New Haven, Connecticut.
- 2012 - 2013 • Chair of Health and Medical Geography Specialty Group, AAG
- 2009 - 2011 • Assistant Professor, Department of Geography, Kent State University (KSU), Ohio
- 2009 - 2010 • Geographic Information Science Minor Coordinator, KSU

Education

- 2005 – 2009 • Ph.D. (Geography), Department of Geography, University of Minnesota
Advisors: Dr. Robert B. McMaster and Dr. Steven M. Manson
- 2002 – 2004 • M.Phil (Population Studies), Jawaharlal Nehru University, India
- 2000 – 2002 • M.A (Geography), Jawaharlal Nehru University, India
- 1997 – 2000 • B.Sc. (Geography), Presidency College, University of Calcutta, India

Publications

**PhD Student; +Corresponding Author; **Joint first authors*

1. Difalco, S., Morzillo, A., and **Ghosh, D.** "Interpolating Resident Attitudes toward Exurban Roadside Forest Management". *Landscape Ecology*. **Under Review.**
2. Bhattacharya, S*., Purkayastha, B., and **Ghosh, D**⁺. "Transgender Persons (Protection of Rights) Act" of India: An analysis of substantive access to rights of a transgender community. *Journal of Human Rights and Practice*. **Under Review.**
3. Ranjit Y, Krishnan A, **Ghosh D**, Cravero C, Zhou X, Altice FL. Project SMART: Design and Delivery of an mHealth Intervention to Improve Treatment Outcomes among Cocaine Users with HIV. *JMIR mHealth and uHealth*. **Under Review.** Preprint available at <https://preprints.jmir.org/preprint/28332>

4. Clark, E., Ma, L., Williams, B., Park, C., Holt, C., Schulz, E., **Ghosh, D.** A two-wave longitudinal examination of social support as a mediator of the personality-physical functioning relationship in a national sample of African Americans. *Psychology and Health*. **Under Review after 1st Revision.**
5. Shannon, J., Reese, A., **Ghosh, D.**, Widener, M., and Block, D. More than Mapping: Improving Methods for Studying the Geographies of Food Access. *American Journal of Public Health*. **Accepted.**
6. Schulz, E., **Ghosh, D.**, Clark, E.M., Williams, B.R., Knott, C., Ma, L., Park, C. L., & Williams, R. Disability and health in African Americans: Population research and Implications for the Occupational Therapy Workforce. *The Open Journal of Occupational Therapy*. **Accepted.**
7. BenBella, Diane*. and **Ghosh, D⁺**. 2021. Combining geospatial analysis with HIV care continuum to identify differential HIV/AIDS treatment indicators in Uganda. *The Professional Geographer*. Vol 73 (2): 213-229 DOI: 10.1080/00330124.2020.1844573
8. Bhattacharya, S*. and **Ghosh, D⁺**. Studying physical and mental health issues among Hijra, Kothi and Transgender community in urban India. *Social Science and Medicine*. Vol 265. <https://doi.org/10.1016/j.socscimed.2020.113412>.
9. Clark, E., Ma, L., Park, C., Schulz, E., Williams, B., Holt, C., **Ghosh, D.** 2020. A longitudinal examination of social support as a mediator of the personality-health relationship in a national sample of African Americans. *The Journal of Black Psychology*. 2020;46(8):607-637. doi:10.1177/0095798420966826
10. Williams, B., Williams, Randi., Clark, E., Schulz, E., Park, C., **Ghosh, D.**, Holt, C. 2020. Marital status and depressive symptoms in African Americans: The moderating role of social and religious resources. *Journal of Family Issues*. DOI: 10.1177/0192513X20942819.
11. Wang, Y., Xu, R., Schwartz, M., **Ghosh, D.**, and Xiang, C. 2020. COVID-19 and Retail Grocery Management: Insights from a Broad-based Consumer Survey. *IEEE Engineering Management Review*. 48 (3), pp 202-211, doi: 10.1109/EMR.2020.3011054.
12. Knott CL, **Ghosh D**, Williams BR, et al. 2020. Do neighborhood characteristics contribute beyond individual demographics to cancer control behaviors among African American adults? *Cancer Epidemiol*. 2020; 64:101666 doi:10.1016/j.canep 2019.101666
13. Li, Xiaojiang, **Ghosh, D.** 2018. Associations between Body Mass Index and Urban “Green” Streetscape in Cleveland, Ohio, USA. *International Journal of Environmental Research and Public Health*. 15(10), 2186
14. Sander, H., **Ghosh, D.**, and Hodson, CB. 2017. Are greener neighborhoods healthier? Varying associations between body mass index and urban green space. *Urban Forestry and Urban Greening*. Vol 26: 1-10 doi: <http://dx.doi.org/10.1016/j.ufug.2017.05.016>
15. **Ghosh, D⁺**, Krishnan, A., Gibson, B., Brown, S., Latkin, CA., and Altice, FL. 2016. Social Network Strategies to Address HIV Prevention and Treatment Continuum of Care Among At-risk and HIV-infected Substance Users: A Systematic Scoping Review. *AIDS and Behavior*. 1-25 PMID: 27125244. doi: <http://link.springer.com/article/10.1007/s10461-016-1413-y>
16. Zhang, Mengyao*, and **Ghosh, D⁺**. 2015. Spatial supermarket redlining and neighborhood vulnerability: A case study of Hartford in Connecticut. *Transactions in GIS*. Vol 20 (1): 79-100 PMID: PMC4810442 doi: 10.1111/tgis.12142
17. Denton, CJ. *, **Ghosh, D.**, Taxman, FS., Altice, FL. 2015. Geographic accessibility to addiction, mental health, and HIV/AIDS health-care services for opioid-dependent clients. *Addiction*

- Science & Clinical Practice*. Vol 10 (Suppl 1): A10. PMID: PMC4347456 doi: 10.1186/1940-0640-10-S1-A10
18. **Ghosh, D**+**, Gibson, BG*, Morano, JP., and Altice, FL. 2014. Accessibility and utilization patterns of a mobile medical clinic among vulnerable populations. *Health and Place*. Vol 28: 152-166. PMID: PMC4475348 doi: <http://dx.doi.org/10.1016/j.healthplace.2014.04.008>.
 19. Martin K., **Ghosh, D. +**, Page M., Wolff M., McMinimee K., and Zhang, M.* 2014. What role do local grocery stores play in urban food environments? A case study of Hartford Connecticut. *PlosOne*. Apr 9; Vol 9(4): e94033. PMID: PMC398175257 doi: 10.1371/journal.pone.0094033
 20. **Ghosh, D. +**, and Guha, R. 2013. What are we 'tweeting' about obesity? Mapping tweets with Topic Modeling and Geographic Information System. *Cartography and Geographic Information Science. Special Issue of 'Mapping Cyberspace'*. Vol 40(2): 90-102. PMID: PMC4128420 doi: 10.1080/15230406.2013.776210
 21. **Ghosh, D.**, Sterns, A., Drew, B., and Hamera, E. 2011. Geospatial Analysis of Psychiatric Mental Health Advanced Practice Nurses in the United States. *Psychiatric Services*. Vol 62: 1506-1509. PMID: 22193800 doi: 10.1176/appi.ps.000532011
 22. **Ghosh, D. +**, and Guha, R. 2011. Using a neural network for mining interpretable relationships of West Nile risk factors. *Social Science and Medicine*. Vol 72 (3): 418 – 429. PMID: 20950908 doi: 10.1016/j.socscimed.2010.09.014
 23. Ghosh, D. + 2011. How does heterogeneous urban environment facilitate West Nile virus transmission in the Twin Cities Metropolitan Area of Minnesota? *Ed: Geospatial Analysis of Environmental Health*. Publisher: Springer-Verlag. Chapter 7: 153-169
 24. Sanders, H., **Ghosh, D.**, Riper, DV., and Manson, SM. 2010. How do you measure distance to open space? Impacts of different types of distance on open space values calculated using a hedonic pricing model. *Environmental and Planning B*. Vol 37: 874 - 894. doi:10.1068/b35126
 25. **Ghosh, D. +**, and Guha, R. 2010. Use of genetic algorithm and neural network approaches for risk factor selection: A case study of West Nile virus dynamics in an urban environment. *Computers, Environment and Urban Systems*. Vol 34 (3): 189-203. doi: 10.1016/j.compenvurbsys.2010.02.007
 26. **Ghosh, D. +**, and McMaster, RB. 2010. *Manual of Geospatial Science and Technology, 2/e*. Contributed chapter 34: *Biophysical and Human-Social Applications*. Pg 669 - 687. Taylor and Francis Group LLC, Boca Raton, Florida.
 27. **Ghosh, D. +**, and Guha, R. 2010. A Risk factor analysis of West Nile virus: Extraction of relationships from a neural-network model. In *Proceedings: International Conference on Social Computing, Behavioral Modeling, and Prediction*. Vol 6007: Pg 208 – 217. LNCS 6007. Springer.
 28. **Ghosh, D. +**, Manson, SM., and McMaster, RB. 2010. Delineating West Nile Virus transmission cycles at various scales: The Nearest Neighbor Distance-Time model. *Cartography and Geographic Information Science*. Vol 37(2): 149 – 163. PMID: PMC3491911 doi: 10.1559/152304010791232208
 29. Manson, SM., Sander, HA., **Ghosh, D.**, Oakes, JM., Orfield, MW., Craig, WJ., Luce, TF., Myott, E., Sun. S. 2009. Parcel data for research and policy. *Geography Compass* Vol 3(2): 698 – 726. doi: 10.1111/j.1749-8198.2008.00209.

30. **Ghosh, D.** ⁺, and Manson, SM. 2008. Robust Principal Component Analysis and Geographically Weighted Regression: Urbanization in the Twin Cities Metropolitan Area. *The URISA Journal* Vol 20 (1): 15 – 25. PMCID: PMC3693392
31. **Ghosh, D.** 2007. West Nile Virus. In P. Robbins (ed.) *The Encyclopedia of Environment and Society*. London: Sage Publications.
32. **Ghosh, D.** 2007. Infant Mortality Rate. In P. Robbins (ed.) *The Encyclopedia of Environment and Society*. London: Sage Publications.
33. **Ghosh, D.** 2007. Epidemics. In P. Robbins (ed.) *The Encyclopedia of Environment and Society*. London: Sage Publications.
34. **Ghosh, D.** 2007. Predicting Vulnerability of Indian Women to Domestic Violence Incident. *Research and Practice in Social Sciences* 3(1): 48 – 72.
35. **Ghosh, D.** ⁺ 2006. Effect of Exposure to Electronic Mass Media on the Knowledge and Use of Prenatal Care Services: A Comparative Analysis of Indian States. *The Professional Geographer*. Vol 58 (3): 278 – 293. doi: 10.1111/j.1467-9272.2006.00568.x

Awards

****In Collaboration with PhD Student(s)***

- 2021 • UConn's National Fellowship Incentive Program (\$1000)
- 2021 • *Finalist for 2020 ESRI's Story Map Competition. 'SHAKTI: Transforming transgender healthcare'. Click on the link below:
<https://storymaps.arcgis.com/stories/58f98d6fd42942318e9951a5f7d2048b>
- 2021 • *UConn's President COVID Recognition Award for Geography Department's COVID-19 Dashboard for the state of Connecticut.
- 2016 • Travel and training award on 'Optimization of Behavioral and Biobehavioral Interventions' organized by National Institute of Health (NIH) and Penn State University. Bethesda, MD
- 2015 • Emerging Scholar Award in Health and Medical Geography, American Association of Geographers (AAG)
- 2014 • Teaching Innovation Award. American Association of University Professors (AAUP) Excellence Award, UConn
- 2011 • Institute on Systems Science and Health, University of Pittsburgh, PA. Office of Behavioral and Social Science Research of NIH and Center for Disease Control and Prevention
- 2010 • Finalist for 2011 J. Warren Nystrom Award. AAG
- Faculty Excellence Award. Kent State University
- Jacques May Thesis Prize. Health and Medical Geography Specialty Group (HMGSG), AAG
- Teaching Scholars for Early Career Faculty Learning Community. Kent State University.
- 2009 • Travel Award. HMGSG, AAG
- 2008 • Travel Award. College of Liberal Arts, University of Minnesota (UMN).
- Cartography and Geographic Information Society, Best Student Paper Award

- First place presentation award for the University Consortium for Geographic Information Science (UCGIS) Summer Assembly, UMN
- 2nd Place Student Paper Award, Graduate Student Affinity Group, AAG
- Travel Award, International Geographic Information Fund, AAG
- Graduate Research Award, International Geographic Information Fund, AAG
- 2007 • 3rd Place Best Poster Award. 130th Annual Applied Geography Conference, Indianapolis, Indiana.
- 3rd Place Student Paper Award. Urban and Regional Information Systems Association.
- Ralph H. Brown Prize for Best Graduate Student Publication Award, Department of Geography, UMN
- Travel Award, Graduate and Professional Student Assembly, UMN.
- Travel Award, International Geographic Information Fund, AAG
- 2006 • Travel Award. Office for University Women. UMN
- Best Student Paper Award. Regional Development and Planning Specialty Group and Asian Geography Specialty Group. AAG
- Travel Award, Graduate and Professional Student Assembly, UMN
- 2005 • Best Student Paper Award. Asian Geography Specialty Group. AAG
- 2004 • 1st Place Best Poster Award. 127th Annual Applied Geography Conference, St. Louis, Missouri.
- 2000 • National Scholarship under National Scholarship Scheme, Government of India on the result of B.Sc. Geography (Honors) Examination.

Grants Submitted and Under Review

- 2021 • Institute for Collaboration on Health, Intervention, and Policy (InCHIP)
Mixed-Method Analysis of Medicaid Members' Barriers for Access to Dental Care
Role: Principal Investigator (Co-PI: Goodwin, Community Partner)
- 2021 • American Cancer Society (ACS)
Multi-level drivers of cancer disparities impacting African Americans
Role: Co-Principal Investigator
Grant Period: 1/01/2022 – 12/31/2025
- 2021 • National Institute of Health (NIH) – The National Institute on Alcohol Abuse and Alcoholism (NIAAA) R01
ILLUMINATE: IsoLation and Loneliness Underlying Misuse and INcreased use of Alcohol as a function of sTress and coping Efforts
Role: Co-Investigator. (PI: Park, Fendrich, Russell, UConn)
Award Period: 10/01/2021-09/30/2024

Grants Awarded

- 2021 • UConn College of Arts and Sciences. *Misinformation Clusters and COVID Outbreaks*
Role: Co-Investigator (Other Co-Is include Lyle Scruggs, Mary Fischer, Swapna Gokhale, UConn)

- Award Period: 5/23/2021 – 12/31/2021 (**Ongoing**)
Award Amount: \$35,326 (\$17,663 - Geography's portion)
- 2018 • Connecticut Bar Foundation. *Effects of foreclosures on community health and neighborhood de-stabilization: A mixed method approach*
Role: Co-Investigator (PI: Erin Kemple, Connecticut Fair Housing Center)
Award Period: 11/01/2018 – 12/31/2020 (**Completed**)
Award Amount: \$87,500 (UConn's portion)
- 2016 • National Institute of Health (NIH) –National Institute of Mental Health (NIMH). Institutional National Research Service Award (T32). *Training in Social Processes of AIDS*.
Role: Training Faculty. (PI: Seth Kalichman, Psychology, UConn)
Award Number: T32MH074387
Award Period: 07/1/2016 – 6/30/2021 (**Completed**)
Award Amount: \$2,183,570 (Geography's was awarded funding for a Graduate Student for 2 years)
- 2014 • NIH –National Institute on Drug Abuse. PA-11-190: Mentored Research Scientist Career Development Award (K01). *Connecting People, Places, and Barriers: The effect of these connections on adherence and retention in care for HIV positive drug users*.
Role: Principal Investigator.
Award Number: K01DA037794
Award Period: 8/1/2014 – 7/31/2020 (**Completed**)
Award Amount: \$890,892
- 2013 • University of Malaya, Malaysia. High-Impact Research Grant. Title: *Incorporating the "Seek, Test, and Treat" Model in Evaluative and Cross-Sectional Techniques with Populations at High-Risk for HIV-infection in Malaysia*. Sub Award title: *Understanding HIV Prevalence and Risk in Female and Transgender Sex Workers through Bio-behavioral Surveillance*.
Role: Co-Investigator
Award Period: 11/2013 – 10/2014 (**Completed**)
Award Amount: \$40,000
- 2012 • UConn. College of Liberal Arts and Science. The Fund for Innovative Education in Health and Society.
Role: Principal Investigator.
Award Amount: \$50,000 (**Completed**)
- UConn. Faculty Large Grant.
Role: Principal Investigator.
Award Period: 12/2012 – 6/2014 (**Completed**)
Award Amount: \$25,025
 - UConn. Institute for Collaboration on Health, Intervention and Policy (InCHIP) CIRA/InCHIP Multi-Institutional Pilot Grants.
Role: Co-Principal Investigator.
Award Period: 1/2013 – 12/2014 (**Completed**)
Award Amount: \$50,000

- 2011 • Travel Grant, University Teaching Council. Kent State University (KSU). - \$500.00
- Research Grant. American Association of Geographers (AAG). - \$1000.00
- 2010 • Summer and Annual Appointment from University Research Council, KSU - \$6500.00
- Travel Grant, University Research Council. KSU - \$500.00.
- Summer Teaching Development Grant. KSU - \$6500.00.
- Travel Grant, University Teaching Council. KSU - \$500.00.
- 2009 • Travel Grant, University Research Council. KSU - \$500.00
- 2008 • Graduate Student Travel Grant for UCGIS Summer Assembly - \$800.00
- Doctoral Dissertation Fellowship (Sept 2008 - May 2009). Graduate School. University of Minnesota - \$24,000.00
- Doctoral Dissertation research Grant. Graduate School University of Minnesota (UMN) - \$1000.00
- Dissertation Research Grant. AAG - \$500.00
- Travel Grant. Department of Geography. UMN - \$500.00
- 2006 • Travel Grant. Urban Geography Specialty Group, AAG - \$200.00
- Graduate Research Partnership Program. Summer Fellowship, College of Liberal Arts, UMN - \$6000.00
- 2003 • Junior Research Fellowship, University Grants Commission, India. - \$150.00

Invited Presentations

- **Ghosh, D.** June 2021. “GIS For Community Health” session at the University Consortium for Geographic Information Science (UCGIS) Symposium 2021.
- **Ghosh, D.** May 2021. Associations between body mass index (BMI) and urban “green” streetscapes. Speaker at the Interdisciplinary conference on “*Design and Research for Healthy Communities and Healthcare Facilities*”, University of Connecticut.
- **Ghosh, D.** March 2021. “Incorporating GIS in Health Research” Class Webinar for ‘Public Health Research Methods’ course at UConn Health Center
- **Ghosh, D.** January 2021. “Smarter Geographical Research”. Webinar at Lady Brabourne College, West Bengal, India
- **Ghosh, D.** November 2020. “Towards Geographical Praxis for Social Justice”. Webinar at East Calcutta Girl’s College, West Bengal, India.
- **Ghosh, D.** March 2020. “Location, Location, Location”. Where you live can affect your health. Spring Lecture Series. Center for Learning in Retirement, UConn.
- **Ghosh, D.** January 9-10th 2020. CEP Short Term Course: Health Informatics - *Combining GIS and Social Media for Public Health Research; Connected Technologies for Smarter Health Research; Networks Informing Health Research: An Overview*. IIT-Patna, India
- **Ghosh, D.** September 2019. Studying Intersection of Substance Abuse and HIV Transmission from a Spatial Lens. College of Health Science. Makerere University. Kampala, Uganda.

- **Ghosh, D.** September 2019. Studying Intersection of Substance Abuse and HIV Transmission from a Spatial Lens: Past, Current, and Future Research. College of Computing and Information Science. Makerere University. Kampala, Uganda.
- **Ghosh, D.** February 2019. “Where to say What?” Can geography inform communication policy. Colloquium Lecture, Communication Department, UConn.
- **Ghosh, D.** September 2018. Connecting People, Things, and Places in GIS. Invited Speaker Lecture at the 2018 NYS Geospatial Summit. Welch Allyn Lodge in Skaneateles, New York.
- **Ghosh, D.** March 2018. Shapefiles to Social - The role of GIS in social aspects of health. Keynote lecture at the 2018 Spring Northeast Arc Users Group (NEARC) Conference. University of Connecticut.
- **Ghosh, D.** March 2018. Project SMART: A Randomized Controlled Trial for Improving ART Adherence. *Research Forum, School of CAPHRI Care and Public Health Research Institute, Maastricht University, Netherlands.*
- **Ghosh, D.** January 2018. Connected Technologies for “Smarter” Geographical Health Research. *Geo-Research Forum, Geography Department, University of Delhi, New Delhi, India.*
- **Ghosh, D.** January 2018. Connected Technologies for “Smarter” Geographical Health Research. Colloquium, Centre for the Study of Regional Development, Jawaharlal Nehru University, *New Delhi, India.*
- **Ghosh, D.** and Mkami, A. October 2017. Food Sovereignty. Invited lecture for POLS 3239 Politics of Environment and Development at University of Connecticut.
- **Ghosh, D.,** BenBella, D. Zhang, S., and Vorotyntseva, V. November 2017. How can we make use of GIS in your Health Research? A Two-Hour overview workshop on public-use GIS data, basic functions, and training resources at InCHIP, University of Connecticut.
- **Ghosh, D.** December 2016. Geographic Information System and Social Media Data. *Presidency University, West Bengal, India.*
- **Ghosh, D.** December 2016. Introduction to Geographic Information System. *Guest Lecturer for Winter School on Geospatial Technologies. Chitkara University, Himachal Pradesh, India.*
- **Ghosh, D.** December 2016. Geographic Information System and Publicly Accessible Data. *Guest Lecturer for Winter School on Geospatial Technologies. Chitkara University, Himachal Pradesh, India.*
- **Ghosh, D.** November 2016. Beyond the Ivory Tower: Integrating Research and Teaching using Community Based Participatory Research. *Forum Speaker at the department of Geography and Environment, San Francisco State University, California.*
- **Ghosh, D.** October 2015. Overview of Geography and Health. Guest Lecture for HDFS 5002: *Designing and evaluating health and wellness interventions. Human Development and Family Studies, UConn.*
- **Ghosh, D.** August 2015. A conceptual framework for integrating social networks and activity space of HIV-positive opioid users. *YCCR Research-in-Progress Seminar. Center for Interdisciplinary Research on AIDS, Yale School of Medicine.*
- **Ghosh, D.** April 2015. Geographic context and exposure estimation for understanding health behaviors: Lessons and challenges from drugs, diet, weight and physical activity in

- NIH-funded research. *Panel organized by NIH, NIDA, NCI at the 2015 AAG Annual Meeting, Chicago, Illinois.*
- **Ghosh, D.** February 2015. Individual and neighborhood correlates of substance use among opioid dependent urban inner-city residents. Guest Lecture for PSYCH 5710: *Seminar on Social Processes of HIV. Psychology Department, UConn.*
 - **Ghosh, D.** February 2015. Risk of low nutrition due to supermarket redlining: A case study of Hartford, Connecticut. *2015 Seminar Series of Nutrition Science Department, UConn.*
 - **Ghosh, D.** December 2014. Health = $f(\text{Geography})$. *Seminar Series, Presidency University. Kolkata, West Bengal, India.*
 - **Ghosh, D.** November 2014. Do residents of Hartford, Connecticut live in a food desert? What role do local grocery stores play in urban food environments? Geography Awareness Week for Department of Geography and the Office of Sustainability. *Southern Connecticut State University.*
 - **Ghosh, D.** October 2014. Obesity, Nutrition, Access to Food: Health Geographic Theories and Methods. Guest Lecture for PSYC 3885, *UConn.*
 - **Ghosh, D.** and Pease, H. S. December 2013. Do You Live In A Food Desert? How Many Calories Can \$1 Get You? *Connecticut State Museum of Natural History and Connecticut Archaeology Center.*
 - **Ghosh, D.** October 2013. A Big Mac or an Apple? It depends upon where you live. *CLAS College Experience, The Environment: Health, Nature & Politics. UConn- CLAS.*
 - **Ghosh, D.** and Pease, H. S. April 2013. Youth PhotoVoice: Food, Community, and You. *UConn – Hartford Campus.*
 - **Ghosh, D.** March 2012. New approaches to broaden interdisciplinary health research. *Institute for Collaboration on Health Intervention and Policy (InCHIP), UConn.*
 - **Ghosh, D.** April 2011. Food, Food Everywhere, and Not a Healthy Bite to Eat: Identifying Food Deserts in Cleveland, Ohio. *Department of Geography and Planning, University of Akron.*
 - **Ghosh, D.** December 2010. Future Trends in Geographic Information Science for Environmental Health (or making friends with community partners). *Department of Geography, UConn.*
 - **Ghosh, D.** December. 2010. Future Trends in Geographic Information Science for Environmental Health. *Department of Geography, University of Wisconsin-Milwaukee.*
 - **Ghosh, D.** October 2010. Using Geographic Information Science in Health Research: Examples from Vector-borne Disease, Obesity/Cardiovascular Disease and Health Care Resources. Research Rounds. *Department of Behavioral and Community Sciences, Northeastern Ohio Universities Colleges of Medicine and Pharmacy. Ohio.*
 - **Ghosh, D.** May 2010. HIV/AIDS in India: Knowledge and access to care and treatment. Colloquium Series, *Department of Geography, Kent State University (KSU). Ohio.*
 - **Ghosh, D.** November 2009. Medical Geography. *Cardinal High School. Geauga County, Ohio.*
 - **Ghosh, D.** February 2009. Graduate School Seminar. *University of Minnesota (UMN).*
 - **Ghosh, D.** January 2009. A Geospatial Investigation of West Nile virus in Twin Cities, Minnesota. *Department of Geography, KSU. Kent, Ohio.*

- **Ghosh, D.** December 2008. Spatiotemporal analysis of West Nile Virus in Twin Cities Metropolitan area of Minnesota. *Minnesota Population Center Seminar Series. UMN.*
- **Ghosh, D.** July 2008. Guest Lecturer in GEOG 1403 Biogeography of the Global Garden. *Department of Geography, UMN.*

Conference Presentations

****PhD Student***

- Bhattacharya, S.*, **Ghosh, D.**, and DasGupta, D. 2021. A 'trans' turn to geographies of sexuality: perspective from South Asia. *2021 Annual AAG Meeting. Seattle. (Virtual Conference).*
- Adams, A*., **Ghosh, D.**, Gallaher, A.*, and Benitez Ou, A*. 2021. Can power outages during extreme weather events be responsible for COVID-19 outbreaks? *2021 Annual AAG Meeting. Seattle. (Virtual Conference).*
- BenBella, D.* and **Ghosh, D.** 2021. Combining geospatial analysis with HIV care continuum to identify differential HIV/AIDS treatment indicators in Uganda. *2021 Annual AAG Meeting. Seattle. (Virtual Conference).*
- Gallaher, A.*, Adams, A., Benitez Ou, A., and **Ghosh, D.** 2020. Town Level Interactive Dashboard to Track COVID-19 in Connecticut. *CT-GIS Day. (Virtual Conference).*
- Bhattacharya, S.* and **Ghosh, D.** 2020. What Happened Afterwards? Transgender Community's Successes and Challenges in Substantively Accessing their Human Rights in India. *2020 Race Ethnicity Place conference. (Virtual Conference).*
- Bhattacharya, S.* and **Ghosh, D.** 2020. Studying physical and mental health among Hijra, Kothi and Transgender population in India. *2020 Annual AAG Meeting. Denver. (Virtual Conference).*
- BenBella, D.* and **Ghosh, D.** 2019. A story map of HIV care cascade along Uganda's Northern Transportation Corridor. *2019 International Medical Geography Symposium, Queenstown, New Zealand.*
- **Ghosh, D.** and Bhattacharya, S.* 2019. Spatial relative probability pattern of cancer-screening behavior among African Americans in the United States. *2019 Annual AAG Meeting. Washington D.C.*
- BenBella, D.* and **Ghosh, D.** 2019. "HIV on the road": Tracing a geospatial story of HIV transmission in Uganda's Northern Transportation Corridor. *2019 Annual AAG Meeting. Washington D.C.*
- **Ghosh, D.**, Knott, CL., Park, CL., Williams, BR., Schulz, E., Williams, R., Liu, H., and Clark, EM. 2019. Associations between place-based social and religious support and cancer-related health behavior among African Americans. *Poster Presentation. Society of Behavioral Medicine 40th Annual Scientific Meeting. Washington, DC.*
- Clark, EM., **Ghosh, D.**, Liu, H., Park, CL., Schulz, E., Williams, BR., Williams, R., Knott, CL. 2019. Does the role of neighborhood-level factors in health behaviors among African Americans vary geographically? *Oral Presentation. Society of Behavioral Medicine 40th Annual Scientific Meeting. Washington, DC.*

- BenBella, D.* and **Ghosh, D.** 2018. Access to HIV Care and Addiction Treatment among Stigmatized Population of Opioid-Dependent People Living with HIV. *2018 The Applied Geography Conference*. Kent, Ohio.
- **Ghosh, D.**, Vorotyntseva, N. and Altice, FL. June 2018. GeoSocNet: A Toolbox for Spatially Informed Network Measures. 2018 International Network for Social Network Analysis. Utrecht, Netherlands.
- Li, X. and **Ghosh, D.** April 2018. Investigating associations between body mass index and streetscape physical environment in Cleveland, Ohio. *2018 Annual AAG Meeting*. New Orleans, Louisiana.
- BenBella, D.* and **Ghosh, D.** April 2018. Accessibility Barriers to Unmet Healthcare Needs for At-Risk HIV/AIDS Opioid Dependent Patients in Washington DC. *2018 Annual AAG Meeting*. New Orleans, Louisiana
- **Ghosh, D.** and Altice, FL. July 2017. Understanding 'habitus of drug users with HIV infection: The interplay of activity spaces, social networks, and health. *2017 17th International Medical Geography Symposium*. Angers, France.
- **Ghosh, D.** and Altice, FL. June 2017. Mobility, Social Networks, and Self-Reported Health of Older People Living with HIV/AIDS in Washington, DC. *2017 International Network for Social Network Analysis*. Beijing, China
- **Ghosh, D.** and Altice, FL. April 2017. Associations of Aspatial Social Network and Spatiosocial Network Metrics with Substance Use and HIV/AIDS Treatment Outcomes. *2017 Annual AAG Meeting*. Boston, Massachusetts.
- Vorotyntseva, N. and **Ghosh, D.** April 2017. Bringing Ego Networks into Geospatial Environment. *2017 Annual AAG Meeting*. Boston, Massachusetts.
- **Ghosh, D.** and Altice, FL. July 2016. Mapping 'habitus' and HIV infection of drug users: the collision of physical spaces of everyday life, risk networks and health. *2016 International AIDS Society Conference*. Durban, South Africa.
- **Ghosh, D.** March 2016. What are English speaking health geographers talking about? Research frontiers, synergies, and collaboration networks. *Annual AAG Meeting*. San Francisco, California.
- **Ghosh, D.** and Altice, FL. July 2015. Integrating geographic space and social network of HIV-positive drug users. *2015 International Medical Geography Conference*. Vancouver, British Columbia, Canada.
- **Ghosh, D.** and Altice, FL. April 2015. Spatializing Egocentric Social Networks: Does Geography Matter in Social Networks? *Annual AAG Meeting*. Chicago, Illinois.
- **Ghosh, D.**, Denton, C., Brown, S., and Altice, FL. November 2014. Individual and neighborhood level correlates of substance abuse and treatment among opioid dependent urban inner-city residents. *2014 Annual American Public Health Association*. New Orleans, Louisiana.
- **Ghosh, D.** and Pease, HS. October 2014. Picture my (un)healthy community: A youth photovoice project at three geographic scales. *Fourth International Conference on Food Studies*. Monash University, Prato, Italy.
- Denton, C., **Ghosh, D.**, Wooditch, A., Mbaba, M., Kiss, M. Lawson, W., Taxman, F., and Altice, FL. October 2014. Geographic Accessibility to Addiction, Mental Health, and

- HIV/AIDS Care Services for Opioid Users. *2014 Addiction Health Service Research*. Boston, Massachusetts.
- **Ghosh, D.** and Pease, H.S. April 2014. Picture my (un)healthy community: A preliminary analysis of a youth photovoice project. Annual AAG Meeting. Tampa, Florida.
 - Li, J., Moorthi, G, Valente, T, Shin, H. **Ghosh, D.**, and Obidoa, C. February 2014. RDS peer recruitment decision-making, street recruitment dynamics, and opportunities for statisticians. *International Social Network Analysis Conference*. St. Petersburg, Florida, USA.
 - **Ghosh, D.** Gibson, B., Morano, J., and Altice, FL. November 2013. Mapping health care access and utilization for vulnerable populations at a mobile medical clinic. *Annual AAG Meeting*. Boston, Massachusetts.
 - **Ghosh, D.**, Martin, K., and Page, M. July 2013. Do residents of Hartford, Connecticut live in a food desert? A multidimensional analysis of grocery stores. *International Medical Geography Symposium*. Michigan State University, East Lansing, Michigan.
 - **Ghosh, D.** and Altice, FL. May 2013. The relationship between social and spatial networks and their effect on clinical outcomes. *International Social Network Analysis Conference*. Hamburg, Germany.
 - **Ghosh, D.** April 2013. Disparity in obesity: A tale of two cities in urban Ohio. *Annual AAG Meeting*. Los Angeles, California.
 - **Ghosh, D.** and Guha, R. October 2012. What are we ‘tweeting’ about obesity? An exploration of Topic Modeling and Spatial Analysis. *35th Applied Geography Conference*. Minneapolis, Minnesota.
 - **Ghosh, D.** June 2012. “Does it matter where we tweet from? Spatializing Social Media”. *UCGIS 2012 Symposium: Building GIS Science 2.0*. Washington, DC.
 - **Ghosh, D.** and Guha, R. March 2012. “Is Pizza a Vegetable?” – Assessing attitudes towards Congress’ new bill using sentiment and social network analysis. *International Social Network Analysis Conference*. Redondo Beach, CA.
 - **Ghosh, D.** and Guha, R. February 2012. Exploring the spatiotemporal trends of obesity-related “tweets” using topic modeling and Geographic Information Science. *Annual AAG Meeting*. New York City, New York.
 - **Ghosh, D.**, Sanders, H. A., Riper, DV., and Manson, SM. November 2011. How do you measure distance in spatial models? An example using open-space valuation. *58th Annual North American Meetings of the Regional Science Association International 2011 // Second Conference of the Regional Science Association of the Americas*. Miami, Florida.
 - **Ghosh, D.** April 2011. Delineating West Nile virus transmission cycles: Nearest Neighbor Distance Time (NNDT) model. *Annual AAG Meeting*. Seattle, Washington.
 - **Ghosh, D.** October 2010. Developing an Interdisciplinary Course: Application of Geographic Information Science in Health Research. *17th Annual Conference: Celebrating College Teaching*. Kent State University.
 - Barbara, D.L, **Ghosh, D.**, Hamera, E., and Sterns, A. October 2010. A Geospatial Analysis of Psychiatric Mental Health Advanced Practice Nurses in the United States. *American Psychiatric Nurses Associations 24th Annual Conference*. Louisville, Kentucky.
 - **Ghosh, D.** October 2010. Where do we need Psychiatric Mental Health Nurses? *2010 ESRI Health GIS Conference*. Denver, Colorado.

- **Ghosh, D.**, and Guha, R. April 2010. Identifying optimal risk factors for prediction and interpretation of West Nile virus occurrences using Neural Network. *Annual AAG Meeting*. Washington DC.
- **Ghosh, D.**, and Guha, R. March 2010. A Risk factor analysis of West Nile virus: Extraction of relationships from a neural-network model. *2010 International Conference on Social Computing, Behavioral Modeling, and Prediction*. National Institute of Health, Bethesda, Maryland.
- **Ghosh, D.** October 2009. When does West Nile virus transmission cycle peak at a local level? Evidence and related vector control strategies from Twin Cities Metropolitan Area of Minnesota. *132nd Applied Geography Conference*, Baton Rouge, Louisiana.
- **Ghosh, D.** July. 2009. Predicting and explaining the spread of West Nile virus in the Twin Cities Metropolitan Area of Minnesota. *International Symposium in Medical Geography*, Hamilton, Ontario, Canada.
- **Ghosh, D.**, and Manson, S. M. April. 2009. Association of West Nile Virus incidences and urban morphology in the Twin Cities Metropolitan Area of Minnesota. *Annual AAG Meeting*. Las Vegas, Nevada.
- **Ghosh, D.** October 2008. Spatiotemporal approaches to map West Nile Virus high-risk exposure areas at local scales using Geographic Information Science technologies. *American Public Health Association 136th Annual Meeting and Exposition*. San Diego, California.
- **Ghosh, D.** June 2008. Spatiotemporal models to delineate West Nile Virus transmission cycles at various scales. *University Consortium for Geographic Information Science Summer Assembly*, Minneapolis, Minnesota.
- **Ghosh, D.**, Manson, S. M., and McMaster, R.B. April 2008. Novel approaches to delineate West Nile virus transmission cycles on a micro-scale using Geographic Information Science technologies. *Annual AAG Meeting*. Boston, Massachusetts.
- **Ghosh, D.**, and Manson, S. M. October 2007. Traditional Vs Modern Clustering Techniques: A case study of West Nile Virus Incidence in Minnesota. *130th Annual Applied Geography Conference*, Indianapolis, Indiana.
- **Ghosh, D.**, and Manson, S. M. April 2007. Robust Principal Component Analysis and Geographically Weighted Regression: Urbanization in the Twin Cities Metropolitan Area of Minnesota. *Annual AAG Meeting*. San Francisco, California.
- **Ghosh, D.** October 2006. What is the Quality of Knowledge of HIV/AIDS among Indian Women? An Empirical Analysis. *129th Applied Geography Conference*, Tampa, Florida.
- **Ghosh, D.** March 2006. Predicting Vulnerability of Indian Women to Domestic Violence Incident. *Annual AAG Meeting*. Chicago, Illinois.
- **Ghosh, D.** November 2005. Application of Principal Component Analysis and GIS to delineate health care resource regions of Kansas. *128th Annual Applied Geography Conference*, Washington, DC.
- **Ghosh, D.** April 2005. Effect of Exposure to Mass Media on Knowledge and Use of Antenatal Care Services: A Comparative Analysis of Himachal Pradesh, Uttar Pradesh, Andhra Pradesh and Karnataka. *Annual AAG Meeting*. Denver, Colorado.

- **Ghosh, D.** March 2005. Analysis of Spatial Inequalities of Health Care Resources in Kansas. *2nd Annual Graduate Student Research Summit*, Topeka, Kansas.
- **Ghosh, D.** October 2004. How the Electronic Mass Media Affects Knowledge and Awareness of HIV/AIDS in Indian Women – A Multivariate Logistic Regression Analysis. *127th Annual Applied Geography Conference*, St. Louis, Missouri.

Teaching Experience

University of Connecticut (2011 – Present)

- | | |
|---|---|
| Undergraduate Teaching | <ul style="list-style-type: none">• Globalization: Spring 2021 (200 students, virtual) Spring 2017 (124 students), Fall 2014 (122 students), Spring 2014 (122 students), Fall 2013 (121 students), Spring 2013 (124 students), Fall 2012 (119 students), Spring 2012 (123 students), Fall 2011 (125 students) |
| Undergraduate and Graduate Teaching (Combined) | <ul style="list-style-type: none">• Medical and Health Care Geography: Virtual Fall 2020 (22 students), Spring 2018 (24 students), Spring 2016 (23 students), Spring 2014 (14 students), Spring 2013 (9 students), Spring 2012 (11 students) |
| Graduate Teaching | <ul style="list-style-type: none">• Research Design: Spring 2021 (Virtual)• Graduate Seminar on Advanced Topics in Spatial Analysis: , Fall 2020 (Virtual), Fall 2018• Teaching Practicum: Fall 2014• Internship in Geography: Spring 2013• GIS Applications in Health Research: Fall 2012 |

Kent State University (2009 – 2011)

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|---|--|
| Undergraduate and Graduate Teaching (Combined) | <ul style="list-style-type: none">• Medical Geography: Spring 2011, Spring 2010• Geographic Applications in Health Research: Fall 2010• Advanced Geographic Information Science: Fall 2010, Fall 2009 |
|---|--|

Graduate Advising

University of Connecticut (2011 – Present)

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|------------------------|--|
| Primary Advisor | <ul style="list-style-type: none">• Shamayeta Bhattacharya, PhD Student (Fall 2018 – Present)• Diane BenBella, PhD Student (Fall 2016 - Present)• Mengyao Zhang, PhD Candidate (Fall 2012 – Spring, 2017, Graduated)
Dissertation Title: 'A Geographical Analysis of Food Access in the Greater Hartford Area of Connecticut'• Allison Bradshaw, MA (Fall 2011 – Summer 2013, Graduated)
Dissertation Title: 'A spatial analysis of West Nile Virus in Texas, 2012'
Placement: Associate VP, Volunteers, Education and Trainings at Operation Smile, VA |
|------------------------|--|

**Member,
Advisory
Committee**

- **Lauren Perez Bonilla**, PhD Student, Geography, PhD Candidate
- **Mary Buchanan**, PhD Student, Geography, PhD Candidate
- **Adelina, Mkami**, PhD Student, Geography, PhD Student, (**Graduated**)
- **Jessica Maksut**, PhD Student, Human Development and Family Studies (**Graduated**)
- **Xiaojiang Li**, PhD Student, Geography (**Graduated**)

Kent State University (2009 – 2011)

**Member,
Advisory
Committee**

- **Michael Allen, MA**, Graduated in 2011
- **Saad Algharib, PhD**, Graduated in 2011

Undergraduate Advising

University of Connecticut (2011 – Present)

Primary Advisor

- **Avani Duggaraju, Individualized Major Program**
Major Title: Global Health and Disease
Graduation Date: Spring 2014
Placement: MPH Bloomberg School of Public Health, Johns Hopkins University

**Member,
Advisory
Committee**

- **Benjamin White, University Scholar Program (Graduated)**
Major Title: Psychology
Placement: MA in Psychology, University of Illinois, Urbana-Champaign
- **Samantha Cummins, Individualized Major Program**
Major Title: 'Global Health and Social Issues'
Graduation Date: Spring 2014
Placement: Medical School, Vanderbilt University
- **Abigail Raynor, Individualized Major Program (Graduated)**
Major Title: Global Health
Placement: School of Medicine, Yale University
- **Rachel Sancora, Individualized Major Program (Spring 2016 – Present)**
Major Title: Global Health
- **Emily Wainfan, Individualized Major Program (Spring 2017 – Present)**
Major Title: Global Studies
- **Jenna Dwy, Individualized Major Program (Spring 2018 – Present)**
Major Title: Disability Studies
- **Magdalene Mylnek, Individualized Major Program (Spring 2018 – Present)**
Major Title: Population Health

Academic and Professional Service

- Department of Geography, UConn**
- **Chair of Courses and Curriculum Committee** (Fall 2020 – Present)
 - **Search Committee Chair** (Fall 2018 – Spring 2019)
 - **Elected Member of HOD Search Committee**, Head of the Department Position (Fall 2012 – Fall 2013)
 - **Assistance to Search Committee**: Faculty-in-Residence position (Spring 2012); Tenure-Track Assistant Professor position (Spring 2013); Tenure-Track Assistant Professor position (Spring 2020).
 - **Graduate Committee, Member** (Fall 2011 – Spring 2019)
Activities include a) review of applications for new graduate students, b) funding decisions for both new and existing students, c) review of applications for departmental summer funding, d) review of applications for College of Arts and Sciences funding (summer fellowships), e) review of annual reports
- UConn**
- **Member of CLAS Courses and Curriculum Committee** (Fall 2020 – Present)
 - **Committee Member for CLAS Strategic Planning**: Contributed to the Data Collection Committee (Fall 2019 – January 2020)
 - **Co-Chair of Content Area 2 (Social Science) of General Education Oversight Committee (GEOC)** (Fall 2017 – Present)
 - **Executive Committee of Institute for Collaboration on Health Intervention and Policy (InCHIP)** (Fall 2014 – Present)
 - **Co-Director** of the ‘mHealth/eHealth’ Research Interest Group at InCHIP (Summer 2016 – Present)
 - **SEED Grant Review Committee of InCHIP**: Junior Faculty (Spring 2014), Graduate Students (Spring 2015)
- Academic Communities**
- **Subcommittee Member for ‘Department’**: American Association of Geographers’ COVID-19 Response Task Force (June – July 2020)
 - **Elected Board Member** of the American Association of Geographers’ **Diversity and Inclusion** Committee (2019 – 2022)
 - **Elected Board Member** of the Spatial Analysis of Modeling (SAM) **Specialty Group of AAG** (2015 – 2018)
 - **Health and Medical Geography Specialty Group**: Leadership role and direct involvement in the governance of Health and Medical Geography Special Group (HMGSG) of AAG (Served as a student member, at-large board member (2010-2011), Vice-Chair (2011-2012), Chair (2012-2013), and currently ex-officio member)
 - **Tenure Review for faculty** (Michigan State University, 2020)
 - **Reviewed grant proposals** submitted to National Science Foundation (NSF): Faculty Early-Career Development (CAREER) proposal (Fall 2015), Geography and Spatial Science (Fall 2012)
 - **Review of journal articles**:

AIDs and Behavior (5),
Appetite,
Cartography and Geographic Information Science,
Computers, Environment and Urban Systems (2),
Conference Proceedings of Applied Geography Conference,
Geographical Analysis (2),
Geography Journal,
Geographical Review,
Geographical Systems,
International Geographic Information Science (6),
International Journal of Applied Geospatial Research,
International Journal of Health Geographics (2),
Journal of Applied Geography,
Journal of Arab Geography,
Journal of Geographical Systems,
Journal of Health and Place (6),
Journal of Landscape and Urban Planning,
Papers in Applied Geography,
Public Health Nutrition,
PLOS One (3),
Remote Sensing (4),
Spatial and Spatiotemporal Epidemiology (1),
Social Science and Medicine (5),
The Professional Geographer (1),
Transaction in GIS (2),
Urban Geography,

- **AAG Organizing Committee Member** for the symposium titled, 'International Geography, GIScience, and Urban Health Theme' held at 2016 AAG in San Francisco (Spring 2016)
- **Organized Career Mentoring Sessions at AAG:** Annual meeting 2017, 2018, 2021
- **Organized paper sessions at the AAG:**
Accessibility, mobility, and connectivity: Frontiers of geospatial modeling and applications (2020).
Committee on the Status of Women in Geography's Speed Networking Session (2018)
Symposium on Human Dynamics in Smart and Connected Communities: Spatial-Social Networks in GIS (2017),
Mobility, Health, and the City (2016),
Mobile Computing, Activity Space, and Social Networks: Health Applications from NIH-funded projects (2015),
Spatial Epidemiology (2014, 2013, 2012, 2011),
Perspectives on Geographic Complexity (2010),

Disease and Health Modeling (2010)

- **Specialty Group Activities** at the AAG: Review of dissertations for Jacque May Dissertation Award Health and Medical Geography Specialty Group (HMGSG): 2017, 2018
- **Organized paper session** at the **International Medical Geography Symposium (IMGS)**: 2015
- **Affiliate member of Center for Interdisciplinary Research on AIDS (CIRA)** (Fall 2013 – Present), Yale University, School of Medicine, New Haven, Connecticut

Outreach

- **Graduate Internship** opportunities with the Travelers Insurance Company and the Department of Geography at UConn
- **Op-Ed in the Hartford Courant**, titled, 'Big Grocery Vital in North Of Downtown Hartford'. See the link here http://articles.courant.com/2014-06-28/news/hc-op-ghosh-north-hartford-food-desert-needs-super-20140628_1_downtown-hartford-supermarket-fast-food-restaurants
- **Interviewed for Connecticut Magazine**: I was interviewed for an article titled, 'How long you live may be affected by your community'. See the link here https://www.connecticutmag.com/issues/features/how-long-you-live-may-be-affected-by-your-community/article_17a9390a-d4e1-11e9-9885-1f00aebf6502.html (2019)
- **Interviewed for NBC Connecticut**: I was interviewed for our interactive dashboard for COVID-19 cases in Connecticut. (2020)

**Geography,
Kent State
University**

- Served as a member of the Geography Chair Search Committee (Fall 2009)
- Coordinator for GIS Minor (Fall 2009- Fall 2010)
- Member of the Faculty Advisory Committee (2010-2011)

Professional Membership

- Association of American Geographers
- Specialty Groups: Applied Geography, Asian Geography, Geographic Information Science and System, Medical Geography, Population, and Spatial Analysis and Modeling.
- American Public Health Association
- International Social Network Analysis