

**Dr. RINA GHOSE**  
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## **Education**

- 1998 Ph.D. in Geography, University of Wisconsin-Milwaukee  
Dissertation Title: “A Realtor Runs Through It”: Rural Gentrification and the Changing Cultural Landscape of Missoula, Montana.
- 1993 M.A. in Geography, University of Montana  
Thesis Title: Regionalizing the CBD by Mapping Land Use Intensities
- 1988 B.A. in Geography (Honors), University of Calcutta, India  
(Geomorphology, Climatology, Biogeography, Cartography)

## **Employment**

Full Professor (2014) – Department of Geography, University of Wisconsin-Milwaukee. Faculty affiliate - Urban Studies program, GIS certification program.

Associate Professor (2006- 2014)-Department of Geography, University of Wisconsin-Milwaukee. Faculty affiliate - Urban Studies program, GIS certification.

Dhaliwal Assistant Professor (2003-2006) – Department of Geography, University of Wisconsin-Milwaukee. Faculty affiliate, Urban Studies program.

Assistant Professor (1998-2003) – Department of Geography and Geology, Illinois State University

## **Research Interests**

Urban: Environmental and social injustice among racialized communities; Urban poverty; Food and health inequalities in urban America, Citizen activism and community gardening in food justice movement; Gentrification.

GIScience: Public Participation GIS and VGI; Citizen science and GIS; Crowdsourced geodata; Digital Geo Humanities; Geodesign; Immersive Mapping; GIS in Urban Governance; Qualitative GIS and Subjective Cartographies; Smart Cities and GIS; Human-Computer Interactions

Demography: Population Migration, Racial Segregation, Urbanization and Counterurbanization

India: Citizen Participation and GIS Use in India; E-Planning in India;  
Cyberspace and Indian Diaspora

### **Teaching Experience**

Urban Studies 944: Research Methods (graduate seminar)  
Geog 934: Urban Geography (graduate seminar) - Examining urban governance  
and citizen participation in the context of neoliberal policies  
Geog 810/910: Research Methods (graduate seminar)  
MSP 780: Transdisciplinary Research (graduate seminar)  
Geog 834: GIS and Society – Examining geospatial information technologies and  
their societal implications (graduate seminar)  
Geog 525(U/G): Geographic Information Science  
Geog 470(U/G): Geography of South Asia  
Geog 405 (U/G): Cartography  
Geog 215(U): Introduction to GIS (online and in-class)  
Geog 110(U): World Regional Geography  
Honors Seminar: Globalization and Diversity in India

### **Current Research Projects**

Citizen Activism against Environmental Injustice, Web 2.0, VGI and  
PPGIS

Smart and Connected Communities: Preparing the Landscape for a  
Digitalized Water World (in collaboration with School of Freshwater  
Science, UW-Milwaukee).

Narrating Native American History, Identity and Languages through  
Spatial Story Map (in collaboration with Electa Quinney Institute at UW-  
Milwaukee)

Replicability and Reproducibility in GIScience

### **Peer-Reviewed Journal Publications**

- 2018      Pettygrove M. and Ghose, R. *From “Rust Belt” to “Fresh Coast”:  
Remaking the City through Food Justice and Urban Agriculture.* *Annals  
of the AAG*, vol. 108, no. 2, 591-602.
- 2018      Ghose, R. and Welcenbach, T. ‘*Power to the People*’ *Contesting Urban  
Poverty and Power Inequities through Open GIS.* *The Canadian  
Geographer*, vol. 62, no. 1, 67-80.

- 2016 Ghose, R. and S. Appel. *Facilitating Spatial Data Sharing in PPGIS: The role of the University Library*. Cartographic Journal, vol. 53, no.4. 341-347.
- 2016 Kar, B., Sieber, R., Haklay, M. and Ghose, R. *Public Participation GIS and Participatory GIS in the Era of GeoWeb*. Cartographic Journal, vol. 53, no.4, 296-299.
- 2016 Pettygrove M. and Ghose, R. *A Synthesized Framework for Urban Geographies of Food and Dietary Health*. Geography Compass, 10/6, 268-281.
- 2016 Pettygrove, M. and R. Ghose. *Community Engaged GIS for Urban Food Justice Research*. International Journal of Applied Geospatial Research, vol.7, no.1, 16-29.
- 2014 Ghose, R. and Pettygrove, M. *Actors and Networks in Urban Community Gardens*. Geoforum vol. 53, 93–103
- 2014 Ghose, R. and Pettygrove, M. *Urban Community Gardens as Spaces of Citizenship*. Antipode vol. 46, no. 4, 1092-1112.
- 2013 Mukherjee, F. and Ghose, R. *E-Planning through Municipal GIS in India*. International Journal of E-Planning and Research, vol.2, no. 2, 24-39.
- 2012 Mukherjee, F. and Ghose, R. *Exploring the Complexities of Community Engaged GIS*. International Journal of Applied Geospatial Research. Vol.3, no. 4, 87-102.
- 2012 Day, P. and Ghose, R. *E-Planning through the Wisconsin Land Information Program: The Contexts of Power, Politics and Scale*. International Journal of E-Planning Research, vol. 1, no. 1, 75-89.
- 2011 Mukherjee, F. and Ghose, R. *Tracing the Historic Trajectory of GIS Development and its Impacts on Contemporary Practice*. Journal of Urban Technology, vol.18, no.5, 141-158.
- 2010 Lin, W. and Ghose, R. *Social Construction of GIS in China's Changing Urban Governance: The Case of Shenzhen*. Cartographica, vol. 45, no. 2, 89-102.
- 2009 Mukherjee, F. and Ghose, R. *Complexities in GIS Spatial Knowledge Production in Dane County, Wisconsin*. Cartography and Geographic Information Science, vol. 36, no. 4, 299-314.

- 2008 Lin, W. and Ghose, R. *Complexities in Sustainable Provision of GIS for Urban Grassroots Organizations*. *Cartographica* vol.43, no.1.
- 2007 Ghose, R. *Politics of Scale and Networks of Association in PPGIS*, *Environment and Planning A* vol. 39. 1961-1980.
- 2005 Ghose, R. *Complexities of Citizen Participation through Collaborative Governance*. *Space and Polity*, vol. 9, no.1, 61-75.
- 2004 Ghose, R. *Big Sky or Big Sprawl? Rural Gentrification and the Changing Cultural Landscapes of Missoula, Montana*, *Urban Geography*, vol. 25, no. 6, 528-549.
- 2004 Elwood, S. and R. Ghose. *PPGIS in Community Development Planning: Framing the Organizational Context*. *Cartographica*, vol. 38, # 3&4, Fall/Winter, 19-33. Published in March 2004, but publication date given as 2001 due to backlog.
- 2003 Ghose, R, and S. Elwood. *Public Participation GIS and Local Political Context: Propositions and Research Directions*. *URISA Journal* (Urban and Regional Information Systems Association), vol. 15, APA II, 17-24.
- 2003 Ghose, R. *Public Participation GIS in Neighborhood Revitalization Context*. *Geospatial Today*, vol. 1, issue 6, 24-28.
- 2003 Ghose, R. *Investigating Community Participation, Spatial Knowledge Production and GIS Use in Inner City Revitalization*. *Journal of Urban Technology*, 10(1), 39-60.
- 2003 Adams, P. and R. Ghose. *India.com: Construction of a Space Between*. *Progress in Human Geography*, no. 27, 414-437.
- 2002 Ghose, R. and W.E. Huxhold. *Role of Multi-Scalar GIS-based Indicators Studies in Formulating Neighborhood Planning Policies*. *URISA Journal*, vol. 14, no. 2, 5-17.
- 2001 Ghose, R. *Use of Information Technology for Community Empowerment: Transforming Geographic Information System into Community Information Systems*. *Transactions in GIS*, vol. 5, no.2, 141-163.
- 2001 Ghose, R. and W.E. Huxhold. *Role of Local Contextual Factors in Building Public Participation GIS: The Milwaukee Experience*. *Cartography and Geographic Information Science*, vol. 28, no. 3, 195 - 208.

- 1995 Martin, M., J. Myers, R. Ghose. *GIS and Neighborhood Planning: A Model for Revitalizing Communities*. URISA Journal, vol.7, no.2, 63-67.
- 1994 Ghose, R. *Using G.I.S. to Analyze Housing Shortage Situation*. *Annual Conference Proceedings*, Vol. I, URISA, p.509-516.

### **Papers in Progress**

Challenges of Fulfilling Replicability and Reproducibility in Critical GIS (Forum, Annals of the AAG)  
 'Bharat.com: Smart Nation building through GIS and e-governance' (The Canadian Geographer),  
 Volunteer Geographic Information, (Geography Compass)  
 'Sustainability in Urban Community Gardens: The Organizational Context' (EPA)  
 Critical GIS in the Class Room  
 GIS Body of Knowledge book chapter.

### **Invited Peer Reviewed Book Chapters**

- 2018 Ghose, R. and Pettygrove M. *Urban Community Gardens as New Spaces of Living*. Book chapter in Handbook on Spaces of Urban Politics, edited by Andrew Jonas, Byron Miller, Kevin Ward and David Wilson (Routledge). pp.320-335.
- 2018 Ghose, R. *Defining Public Participation GIS*. In: Huang, B. (Ed.), *Comprehensive Geographic Information Systems*. Vol. 1, pp. 431–437. Oxford: Elsevier.
- 2017 Ghose, R. *Public Participation GIS* (6000 words). *International Encyclopedia of Geography: People, the Earth, Environment, Technology*. Edited by the Association of American Geographers (John Wiley), **Vol. X**, pp. 5403-54013.
- 2011 Ghose, R. *Politics and power in the use of GIS for community decision making*. Book chapter in Handbook of GIS and Society Research, edited by Timothy Nyerges, Helen Couclelis, Robert McMaster (SAGE publications). P.423-438.
- 2011 Elwood, S. and Ghose, R. 2011. *Reflection Essay: PPGIS in Community Development Planning*. Book chapter in *Classics in Cartography: Reflections on Influential Articles from Cartographica*, edited by Martin Dodge (John Wiley & Sons, UK), p. 107-118.
- 2011 Ghose, R. *Middle Class Migration and Rural Gentrification in Western Montana*. Book chapter in *City Dreams and Country Schemes: Utopian*

Visions of the Twentieth Century American West, edited by Kathleen Brosnan and Amy Scott (University of Nevada Press), p. 109-130.

- 2009 Ghose, R. *GIS and Citizen Participation: Urban Revitalization Projects in the U.S.* Book chapter in *Organizational Facets of GIS*, edited by Stephane Roche and Claude Caron (John Wiley & Sons, U.S.), p.269-280.
- 2004 Ghose, R. *SIG et Participation Cityonne: Des Project des Revitalisation Urbaine aux Etats-Unis.* Book chapter in “Aspects Organisationnels des SIG”, edited by Stephane Roche and Claude Caron (Hermès Sciences), p.255-266.
- 2004 Ghose, R. and W.E. Huxhold. *Role of Multi-Scalar GIS-based Indicators Studies in Formulating Neighborhood Planning Policies.* Book chapter in “Community Indicators Measuring Systems”, edited by Rhonda Phillips (Ashgate Publishing Ltd.), p.157-177

#### **Peer Reviewed Conference Proceedings**

- 2019 Forati, A and Ghose, R. "Participation Level in OSM (case study: Tehran, London, Los Angeles)". ACM Collective Intelligence Conference Proceedings.
- 2012 Ghose, R. *Qualitative GIS in Urban Justice Research.* Extended abstract (1500 words), International GIScience Conference Proceedings. Available in digital format.
- 2008 Ghose, R. *Politics of Scale and Networks of Association in Public Participation GIS.* Extended abstract (1500 words), International GIScience Conference Proceedings. Available in digital format.
- 2004 Ghose, R. *Complexities in Spatial Knowledge Production in Public Participation GIS.* Extended abstract, *International GIScience 2004 Conference Proceedings*, p. 96-98.
- 2000 Ghose, R. *Critical Perspectives on Public Participation GIS.* Extended abstract, *International GIScience 2000 Conference Proceedings*, p. 330 – 331.
- 1994 Ghose, R. *Using G.I.S. to Analyze Housing Shortage Situation.* *Annual Conference Proceedings*, Vol. I, URISA, p.509-516.

#### **Text Books**

- 2012 Brunn, S., R. Ghose and M. Graham. “*Cities of the future*”. Book chapter in “*Cities of the World: World Regional Urban Development*”, 5th edition, edited by Stanley Brunn, Maureen Hayes Mitchell, Donald Zeigler, (Rowman & Littlefield), p.557-596.
- 2008 Brunn, S., R. Ghose and M. Graham. “*Cities of the future*”. Book chapter in “*Cities of the World: World Regional Urban Development*”, 4th edition, edited by Stanley Brunn, Maureen Hayes Mitchell, Donald Zeigler, (Rowman & Littlefield).
- 2003 Brunn, S. and R. Ghose. “*Cities of the future*”. Book chapter in “*Cities of the World: World Regional Urban Development*”, 3rd edition, edited by Stanley Brunn, Jack Williams, Donald Zeigler, (Rowman & Littlefield), p.489-519.

### **Editorial Board Member of Academic Journals**

Cartographica  
 Dialogues in Human Geography  
 Geography Compass  
 International Journal of E-Planning and Research  
 Journal of Race, Ethnicity and the City

### **Invited Lectures**

- 2019 *Right to the City and Critical GIS*. Department of Geography, University of Georgia
- 2019 *‘Beet the System’: Contesting Food Injustice in the Neoliberal City*. Department of Geography, University of Oregon
- 2019 *Advancing Right to the City through Critical GIS*, Department of Geography and Urban Studies, University of British Columbia
- 2019 *Addressing Right to the City through Critical GIS*, Brian Coffey Lecture, Urban Studies, University of Washington-Tacoma
- 2018 *Food and Health Inequalities in the Neoliberal City*, Zilber School of Public Health, University of Wisconsin-Milwaukee
- 2018 *Citizen Science, Community Empowerment and Open GIS*, Keynote speaker, Citizen Science GIS, Department of Sociology, University of Central Florida
- 2018 *Contesting Food and Health Inequalities in Milwaukee*, Department of Urban Planning, UWM

- 2016 *Citizen Participation and GIS Use in Urban India*. Invited speaker at the Dynamic Mapping of Secondary Cities Symposium, held at Center for Geographic Analysis, Harvard University.
- 'May the Subaltern Speak'? Deep Mapping and PPGIS in Urban Food Justice Research*. Invited speaker at the 'The Spatial Turn in Digital Humanities' workshop at West Virginia University.
- Towards a Feminist GIS*. Plenary speaker, "#Feminist In(ter)ventions: Women, Community, Technology", 22<sup>nd</sup> Women's Studies Conference held at Southern Connecticut State University, New Haven, Connecticut.
- Contesting Food Injustice in the Neoliberal Era: Examining grassroots volunteerism, urban agriculture and Web 2.0 GIS based analysis*. Department of Sociology, University of Central Florida
- 2015 Lead speaker on Promoting Diversity and Inclusion, Plenary session at the Geography Faculty Development Alliance Workshop, University of Connecticut, sponsored by Association of American Geographers.
- 2015 Leader or Co-leader of eight sessions on junior faculty mentoring at the Geography Faculty Development Alliance Workshop, University of Connecticut, sponsored by Association of American Geographers.
- 2015 "*Public Participation GIS in Urban Revitalization*". Department of Geology and Geography, West Virginia University.
- 2014 "*GIS in Community Decision Making*". Department of Geography, DePaul University.
- 2013 "*Urban Community Gardens as Spaces of Citizenship*". Department of Geography, University of Copenhagen.
- 2012 "*Power, Politics and GIS in Community Decision Making*". Center for Urban Studies, University of Amsterdam.
- 2012 "*Addressing Urban Deprivation and Inequalities through Public Participation GIS*". Invited speaker at the conference on "Information flows in urban governance: Legitimacy, accountability and transparency" at Amsterdam, Netherlands. Funded by Netherlands National Science Foundation. Scientific partners: University of Amsterdam, Department of Geography, Planning and international Development Studies; ITC, University of Twente.



- 2012      *“Bridging the Geospatial Divide through Public Participation GIS”* The Center for Information Policy research, in partnership with the Social Studies of Information Research Group, University of Wisconsin-Milwaukee.
- 2011      *“Empowerment and Marginalization in Public Participation GIS”*. Presented at the Department of Geography, Syracuse University.
- 2009      *“Public Participation GIS in the Context of Inner-City Revitalization”*. Presented at the Newberry Library, Chicago.
- 2009      *“Power to the people? Politics of power in Public Participation GIS”*. Presented at the Department of Geography, University of California-Berkeley.
- 2009      *“Citizen participation and spatial knowledge production in inner-city neighborhoods of Milwaukee”*. Presented at the Yi-Fu Tuan Lecture Series, Department of Geography, University of Wisconsin – Madison.
- 2008      *“Complexities of PPGIS in the Urban Revitalization Context”*. Presented at the Department of Geography, University of Southern California.
- 2007      *“Unpacking the Complexities of Urban PPGIS”*. Presented at the PPGIS E-Seminar organized by Joint Worldwide Universities Network/University Consortium of GIS/Royal Geographical Society/Institute of British Geographers and Quantitative Methods Research Group.
- 2007      *“Politics of Scale and Networks of Association in Public Participation GIS”*. Presented at the School of Architecture and Urban Planning, University of Wisconsin-Milwaukee
- 2006      *“PPGIS in the Urban Revitalization Context”*. Presented at the department of Geography, University of Illinois at Urbana-Champaign.
- 2004      *“Exploring Public Participation GIS”*. Presented at the department of Geography, McGill University.
- 2000      *“Investigating Public Participation GIS: Critical Perspectives”*. Presented at the department of Geography, University of Minnesota.
- 2000      *“Building Public Participation GIS through University/Community Partnerships”*. Presented at the department of Urban Planning, University of Illinois at Urbana-Champaign.
- 2000      *“Public Participation GIS: Critical Perspectives”*. Presented at the department of Geography-Geology, Illinois State University.

- 1999        *“A Realtor Runs Through It: Rural Gentrification in the American West”*. Presented at the department of Geography-Geology, Illinois State University.
- 1997        *“Public Access to Information Technology: Strategies for Neighborhood Planning”*. Presented at the department of Geography, University of Montana.

### **Professional Honors, Awards, and Distinctions**

- 2019        Invited participant, Spatial Data Science Symposium, University of California-Santa Barbara.
- 2019        Fellow, Community Geography Workshop, University of Georgia and National Science Foundation.
- 2018        Vice chair, Socialist and Critical Geography specialty group, AAG.
- 2018        Keynote speaker and distinguished community scholar, University of Central Florida
- 2016        Plenary speaker, ‘Women, Community, Technology: 22<sup>nd</sup> SCSU Women’s Studies Conference’, April 15<sup>th</sup> and 16<sup>th</sup>.
- 2015        Invited to lead sessions at the Geography Faculty Development Alliance Workshop, University of Connecticut, sponsored by Association of American Geographers.
- 2014        Invited to be a member of the program committee of International GIScience Conference, Vienna, Austria.
- 2013        Transdisciplinary Research Fellow, Center for 21<sup>st</sup> Century Studies, UWM
- 2012        Senior Research Fellow, Center for Information Policy Research, School of Information Studies, UWM, 2012-2013.
- 2012        Invited to be a member of the program committee of International GIScience Conference, Ohio State University.
- 2012-2010    Elected Secretary/Treasurer of GIS Specialty Group, Association of American Geographers.
- 2007        Invited to be a panelist for the Human Social Dynamics Program by National Science Foundation.

- 2006 Graduate School/UWM Foundation Excellence in Research Award. This is a campus wide award for which five scholars across the rank were selected for their outstanding research productivity.
- 2004 Fellow, Center for 21<sup>st</sup> Century Studies, University of Wisconsin – Milwaukee, 2004-2005.
- 2006-2003 Awarded Dhaliwal Professorship at University of Wisconsin-Milwaukee.
2003. Invited to participate in the international workshop on “Companies, Organizations and SIG” organized and funded by University of Angers, France and Laboratory of Geobusiness of the University of Sherbrooke, Quebec in Angers, France.
- 2001 Invited to participate in the “Workshop on Access and Participatory Approaches in Using Geographic Information” funded by the National Science Foundation, organized by the University Consortium for Geographic Information Science, and Association of Geographic Information Laboratories in Europe, Spoleto, Italy.
- 1997 University of Wisconsin-Milwaukee Graduate School Dissertation Fellowship.
- 1996 University of Wisconsin-Milwaukee Graduate School Dissertation Fellowship.
- 1996 Member of Phi Kappa Phi National Honor Society.
- 1995 University of Wisconsin-Milwaukee Graduate School Fellowship.
- 1993 First Prize in the Social Science Division at the 76th Annual Conference of the Pacific Division of the American Association for the Advancement of Sciences (AAAS). Presented ‘*Regionalizing the Central Business District by Studying Land Use Intensities*’.

## **Grants**

- 2019 Preparing the Landscape for a Digitalized Water World. Submitted to NSF Smart and Connected Communities Program Solicitation, NSF 19-564. M. Silva (P.I.), T. Boyer (Co-PI), C. Galambos (Co-PI), R. Ghose (Co-PI), J. Zhang (Co-PI). In review.
- 2018 Embodied Text of Regional Indigenous Languages group (Lane Hall, Lisa Moline, Rina Ghose, Margaret Noodin). C21 Collaboratory Program, UWM. \$2000.

- 2012 University of Wisconsin-Milwaukee. Instructional grant to support online GIS course development. \$6000
- 2009 University of Wisconsin-Milwaukee Graduate School Research Committee Award. *Investigating Citizen Participation in Privatized Collaborative Planning in Inner-City Milwaukee*. \$9449.
- 2007 UWM Faculty Nonprofit Sector Research Minigrant program sponsored by Helen Bader Institute for Nonprofit management. *“Investigating Participation of Inner-City Non Profit Organizations in Collaborative Governance”*. \$3964.
- 2001 Illinois State University Research Grant. *“Investigating Empowerment, Marginalization and Public participation GIS”*. \$2500
- 2000 Illinois State University Research Grant. *“Counterurbanization and rural gentrification in the Rocky Mountain region”*. \$3000
- 1996 National Science Foundation Dissertation Improvement Grant. *“A Realtor Runs Through It: Rural Gentrification and the Changing Cultural Landscape of Missoula, Montana”*. \$9200.

### **International Conference Presentations**

- 2019 ‘*Societal Implications of Spatial Data Science*’: Spatial Data Science Symposium at University of California-Santa Barbara. Dec. 9-11, 2019.
- 2012 *“Qualitative GIS in Urban Justice Research”*. Paper presentation at the International Conference on Geographic Information Science, Ohio State University.
- 2008 *“Politics of Scale and Networks of Association in PPGIS”*. Paper presentation at the 5<sup>th</sup> International Conference on Geographic Information Science, Park City, UT, September 23-26
- 2007 *“Unpacking the Complexities of Urban PPGIS”*. Paper presentation at the PPGIS E-Seminar organized by Joint Worldwide Universities Network/UCGIS/Royal Geographical Society (with Institute of British Geographers) and Quantitative Methods Research Group
- 2006 *“Politics of Scale and Networks of Associations in Public Participation GIS”*. Paper presentation at the Royal Geographical Society-Institute of British Geographers’ Annual International Conference.
- 2004 *“Complexities in Spatial Knowledge Production in Public Participation GIS”*. Paper presentation at the International GIScience conference.

- 2003      *“PPGIS in Urban American Context”*. Paper presentation at the international workshop on “Companies, Organizations and SIG” organized and funded by University of Angers, France and Laboratory of Geobusiness of the University of Sherbrooke, Quebec in Angers, May 21<sup>st</sup>, 2003.
- 2001      *“Investigating the Role of Local Contextual Factors in PPGIS”*. Paper presentation at the “Workshop on Access and Participatory Approaches in Using Geographic Information”, funded by the European Science Foundation and the National Science Foundation, and organized by the University Consortium for Geographic Information Science, and Association of Geographic Information Laboratories in Europe, Spoleto, Italy, December 6-8.
- 2001      *“Building Digital Communities in Inner City America: Examining Participation, Power, Local Policy Context and the Network of Institutions”* at the international conference on “Digital Communities: Cities in the Information Society”, Nov. 4-6 Chicago.
- 2000      *“Critical Perspectives on Public Participation GIS”*, poster presentation at the first International GIScience 2000 conference at Savannah, GA.
- 1999      *“Use of information technology for community empowerment: Transforming geographic information systems into community information systems”* at the International Conference on Geographic Information and Society at University of Minnesota.

### **National Conference Presentations**

- 2019      *‘Beet the System’: Food Activism in the Neoliberal City*. At the Annual Conference of the Urban Affairs Association, Los Angeles.
- 2019      *Bharat.Com. Smart Nation Building through GIS and E-Governance*. At the annual conference of the AAG, Washington D.C.
- 2019      Panelist on three sessions at the AAG
- 2019      *Community Information Systems to Support Urban Planning*. Workshop on Community Geography. Sponsored by NSF and University of Georgia
- 2018      *“Advancing Urban Green Infrastructure through Urban Agriculture and GIS”*. At the annual conference of the Association of American Geographers (AAG), New Orleans.

- 2016 *“May the Subaltern Speak? Towards a Constructively Critical Public Participation GIS”*. At the annual conference of the AAG, San Francisco.
- 2015 *“Deconstructing Citizen Participation and Spatial Knowledge Production”*, Presented at the session on “Looking Backwards and Forwards in Participatory GIS”. At the annual conference of the AAG at Chicago.
- Panelist, “Crisis of Civic Engagement in Higher Education” session, at the annual conference of the AAG, Chicago.
- 2014 *"Open GIS: Research and Educational Agendas"* - presented at the pre-conference workshop on Open GIS, Tampa, Florida
- 2014 *“Locational Privacy Concerns: Geotagged data mining from Social Media”*. Presented at the session on Location Privacy at the annual conference of the AAG. Tampa, Florida.
- 2014 *“Framing Food Access: Knowledge Production and Approaches to Dietary Health Inequities”* (with Margaret Pettygrove). Presented at the session on "Healthy Living", at the annual conference of the AAG, Tampa, Florida.
- 2013 *“Approaches to Community-Engaged GIS in Urban Food Justice Research”* (with Margaret Pettygrove), at the annual meeting of the University Consortium of GIS (UCGIS).
- 2012 *“Challenges to Qualitative PPGIS in the context of Neoliberalization”*, at the annual meeting of AAG at New York.
- 2011 *“Resistance, Complicity, and Conditional Citizenship through Urban Community Garden”* (with Margaret Pettygrove) at the Annual Critical Geography Mini Conference at Clarke University.
- 2011 Panelist on Critical GIS session at the annual West Lakes Conference of the Association of American Geographers
- 2010 Panelist on Critical GIS session and Shadow-State Thesis session at the Annual Critical Geography Mini Conference at University of Wisconsin-Milwaukee
- 2010 *“Spaces of Resistance: Urban Community Gardens in Inner-City Milwaukee”* (with Margaret Pettygrove), at the Annual Critical Geography Mini Conference at University of Wisconsin-Milwaukee

- 2009 Panelist on Geographic Information Ethics and GIScience session, at the annual meeting of AAG at Las Vegas.
- 2008 *"Examining the Complexities of Collaborative Urban Governance through a Scaled Network Approach"* at the annual meeting of AAG, held in Boston.
- 2007 *"Qualitative Methodologies: Investigating GIS use for Urban Governance"* (with Falguni Mukherjee) at the annual meeting of AAG, held in San Francisco.
- 2007 *"Developing a Community Information System to Assist Neighborhood Revitalization Efforts"* (with Brian Thayer) at the annual meeting of AAG.
- 2007 Panelist in "Stereotypical Ideologies/Iconoclastic Ethnographies" ,  
Panelist in "Research design and methodologies for critical GIS research" at the annual meeting of AAG.
- 2006 *"Neoliberalism and Politics of Scale in Urban Governance: The Case of Milwaukee"* at the annual meeting of AAG, held in Chicago.
- 2006 *"Complexities in Spatial Knowledge Construction in Urban Community Organizations"* (with Wen Lin), at the AAG, Chicago.
- 2006 Participant in a panel session on "Participatory GIS" at the AAG, Chicago.
- 2005 *"Politics of Scale in Public Participation GIS"*, at the annual meeting of AAG, held in Denver.
- 2005 *"Investigating GIS Provision for Urban Grassroots Community Organizations – The Role of Politics of Scale and Scaled Networks"* (with Wen Lin), at the AAG Denver.
- 2005 Participant in a panel session on "Community Mapping" at the AAG, Denver.
- 2005 Participant in a panel session on "Foundations and Prospects for Participatory Geographic Information Science", at the AAG, Denver.
- 2004 *"Framing the Organizational Context in PPGIS"* at the annual URISA Public Participation GIS Conference, held in Madison.
- 2004 *"Investigating Public Participation GIS through Qualitative Methods"* at the annual meeting of Association of American Geographers (AAG), held in Philadelphia.

- 2004      *“Complexities in Collaboration: GIS, Indigenous People and Inner-City Revitalization”* at the annual meeting of AAG, held in Philadelphia.
- 2003      *“Role of Local Political Context in Public Participation GIS”* at the annual URISA Public Participation GIS Conference, held in Portland, OR.
- 2003      *“Thoughts on PPGIS Sustainability”* at the annual URISA Public Participation GIS Conference, held in Portland.
- 2003      *“The Politics of Citizen Participation in Neighborhood Revitalization and PPGIS”* at the annual meeting of AAG, held in New Orleans.
- 2002      *“Altering Participation and Power through Neighborhood Strategic Planning: The Case of Milwaukee”* at the annual meeting of AAG, held in Los Angeles.
- 2002      Discussant at a session on Critical Public Participation GIS at AAG.
- 2001      *“Big Sky or Big Sprawl? Public Policy Responses to Growth, Gentrification and Class Colonization in Western Montana”* at the annual meeting of AAG, held in New York.
- 2001      *“India.com: Online Community Formation and the Asian Indian Diaspora”* (with Paul Adams), at the annual meeting of AAG.
- 2001      Panelist at a discussion session *“Critical Perspectives on Public Participation GIS”*, at the annual meeting of AAG.
- 2000      *“Building Public Participatory GIS through University Community Partnerships”* (with William Huxhold), at the annual meeting of AAG, Pittsburgh.
- 1999      *“Democratizing Technology: Role of Educational Institutions”* at the national conference of Urban and Regional Information Systems Association (URISA).
- 1999      *“Rural Gentrification, Class Colonization and the Changing American Countryside”* at the annual meeting of AAG, Honolulu.
- 1998      *“Rural Gentrification and the Changing Cultural Landscape of Missoula, Montana”* at the annual meeting of the AAG, Boston.
- 1997      *“Cowboys and Cappuccinos: Rural Gentrification in the Rockies”* at the annual meeting of AAG.
- 1996      *“Rural Renaissance in the American West: A case of Missoula, Montana”* at the annual meeting of AAG.



- 1995        *“Use of Information Technology as a Strategy for Neighborhood Empowerment”*, at the annual meeting of AAG.
- 1994        *“Using GIS to Analyze Housing Shortage Situations”* at the annual meeting of URISA.
- 1994        Project Showcase: *“Metcalf Park Neighborhood Residents Association: Housing GIS Project”* at the annual meeting of URISA.

### **Professional Service**

Co-edited special issue on Smart Cities for Canadian Geographer journal (2019)

Co-edited special issue on Public Participation GIS for Cartographic Journal (2016).

Served as a senior panelist in Geography and Spatial Science program for National Science Foundation

Served as a senior panelist in the Human Social Dynamics Program for National Science Foundation

Reviewed many grant proposals for National Science Foundation, USA (2003 onwards)

Reviewed international grant proposals for National Science Foundation of Switzerland, Austrian Science Foundation, GEOIDE Canada, Agence Nationale de la Recherche of France

Served as a reviewer for academic journals such as: Annals of the AAG, Antipode, Professional Geographer, Progress in Human Geography, Social and Cultural Geography, International Journal of Geographic Information Science, Transactions of the Institute of British Geographers, Urban Geography, Environment and Planning A, Cartographica, Cartography and GIS, Transactions in GIS, Cities, Acme, URISA journal, Local Government Studies, Journal of Rural Studies, Geoforum etc.

Served as Secretary/Treasurer for GIS Specialty group, AAG

Program committee member, International GIScience Conference (2012, 2014)

Program committee member of three conferences on Public Participation GIS, sponsored by URISA

Served as external reviewer in tenure and promotion cases in Geography and Urban Studies: University of Central Florida, DePaul University, University of Denver, Macalester College University of Minnesota-Duluth, University of New Orleans, University of North Carolina-Charlotte, Ryerson University, Syracuse University, University of Waterloo, University of Washington-Tacoma

Served as an external reviewer to undertake departmental review at universities

Served as mentor in the Geography Faculty Development Alliance Workshop, sponsored by AAG (2015)

Served on the board of Wisconsin Geographic Information Coordination Council

Organized many special sessions at the AAG annual and regional conferences

### **University-wide Service at University of Wisconsin – Milwaukee**

Faculty Rights and Responsibilities Committee, Faculty Appeals and Grievance Committee (chair), Vice Chancellor's Global Inclusion and Engagement 'Faculty of Color' Steering Committee, Graduate School BRIC Student Recruitment Committee, Asian Faculty and Students Association, Dean Search Committee (School of Information Studies), Information Technology Policy Committee, International Student and Scholar Services Advisory Board, GIS Council, GIS Certification Committee

### **Urban Studies Service**

Student Affairs Committee, Grievance and Appeals Committee, Development Committee

### **Departmental Service at University of Wisconsin – Milwaukee**

Graduate Program Chair for five years (2007 onwards)  
Graduate Program Committee member (2006-2014, 2017-2019)  
Public Relations Committee Chair  
Served in three faculty search committees, Co-organized GIS symposium, served in the Lectures Committee, Technology Committee, GIS Council  
Funded and organized the Dhaliwal Research Lecture series highlighting research on South Asia for three years.

### **Community Partnerships**

Groundwork Milwaukee: Research collaboration, created free customized open source GIS based Community Information Systems for Groundwork Milwaukee, to help in spatial planning, data analyses. This CIS helped the organization to strategically plan its activities in water management and urban gardening.

Milwaukee Urban Garden: Participated in Milwaukee Water Policy Committee, led by Bruce Wiggins (MUG). Provided free research that examined (i) policy barriers to urban agriculture in Milwaukee (ii) water policy and zoning requirements in three mid-western cities (iii) Cross comparisons between Milwaukee and other cities. This research helped MUG and other partners to contest Milwaukee's policy barriers, creating new urban agriculture zoning regulations

Harambee Ombudsman Project Inc.: Research collaboration, created free customized Internet GIS based Community Information Systems for Harambee community organization. This CIS helped the organization in spatial planning, data analyses.

Metcalfe Park: customized GIS based Community Information Systems for Metcalfe Park Residents Association, Milwaukee, to help in spatial planning, data analyses.

Data Center at Nonprofit Center of Milwaukee: Decade long collaboration in GIS analysis and mapping that served 24 inner city community organizations in Milwaukee

Neighborhood House: Free spatial analysis and mapping to advance organizational goals.

Urban Ecology Center: Supported GIS research by providing volunteer GIS interns.

## **Graduate Student Advising at University of Wisconsin – Milwaukee Ph.D. Students**

### Geography

2018- Amir Forati (ongoing)

### Urban Studies (ongoing)

2014- Ditimoni Baruah (ABD status)

### Geography (completed)

2011-2016 Margaret Pettygrove. Dissertation Title: Food Inequities, Urban Agriculture and the Remaking of Milwaukee, Wisconsin (employed as GIScientist)

2004-2009 Falguni Mukherjee. Dissertation Title: GIS and Spatial Technologies for Urban Governance. Associate Professor at Sam Houston State University

- 2003-2009 Wen Lin. Dissertation Title: Social Construction of GIS in a Non-Western World: The Case of Shenzhen, China. Associate Professor at Newcastle University, U.K.
- 2004-2012 Patrice Day. Dissertation Title: Access to Spatial Data: Political Power of Legal Control Mechanisms.  
Lecturer and GIS Certificate Administrator at University of Wisconsin-Milwaukee

### **Master's students**

- 2019- Rachel Graham
- Geography (completed)
- 2013-2015 Thomas Welcenbach. MA. Non-thesis option. Research papers on Free and Open Source Software for Public Participation GIS (employed as GIS professional).
- 2013-2015 Stephen Appel. M.A. Thesis: Public Geospatial Data in Wisconsin: Information Access, Data Sharing and the University (employed as GIS librarian at American Geographical Society Library, UWM)
- 2011-2013 Claire Reuning. M.A. Thesis: Congolese Cultural Landscapes, Transnational Networks and Identity Formation in Milwaukee (employed at the International Institute of Wisconsin).
- 2009-2011 Margaret Pettygrove. M.A. Thesis: Spaces of resistance: Urban community gardens in Milwaukee.
- 2006-2008 Jesse Bernhardt, M.S. – Internship paper (employed as a GIS professional)
- 2004-2008 Brian Thayer. M.A. Thesis: Developing a Community Information System to Assist in Neighborhood Planning Efforts (GIS professional)
- 2009-2011 Liis Palumets, Research Paper: The Data Center as a Spatial Data Provider to Milwaukee Community Organizations. (employed at the Office of the Minister for Regional Affairs, Estonia)

### **Graduate Student Committee Work**

Geography Ph.D. Committee (ongoing): Pragya Srivastava, Department of Geology-Geography, West Virginia University

Geography (completed) at UWM

M.A./M.S.: Nadia Bogue, Nick Gates, Rodney Ranken, Stephen Schmidt, Chris Parisey, Wei Xu.

Ph.D. at UWM: Parama Roy, Deanna Schmidt, Jeremia Njeru, Jeremy Sorenson, Sandra Zupan.

Urban Studies (completed)

Ozgur Avci, Ph.D., George Papakis, Ph.D., Nicholas DeMarsh (M.A)