

# ANURADHA MUKHERJI

Associate Professor of Urban and Regional Planning

## CONTACT INFORMATION

East Carolina University  
Department of Geography, Planning, and Environment  
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## EDUCATION

- Ph.D.** Architecture, University of California at Berkeley, 2008  
Specialization: Disaster Planning; Housing Policy, and International Development  
Dissertation: *Negotiating Housing Recovery: Why some communities recovered while others struggled to rebuild in post-earthquake urban Kutch, India.*  
Mary C. Comerio, Committee Chair
- M.S.** Architecture; Certificate in Historic Preservation  
Texas A&M University at College Station, 2001
- Diploma** Architecture, Center for Environmental Planning and Technology University,  
Ahmedabad, India, 1998

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## PROFESSIONAL APPOINTMENTS

### Current Appointments

Associate Professor of Urban and Regional Planning, 2017 – present  
Department of Geography, Planning, & Environment, East Carolina University

### Past Appointments

Visiting Associate Professor, January 2019 – May 2019  
Disaster Prevention Research Institute (DPRI), Kyoto University, Japan

Assistant Professor of Urban and Regional Planning, 2010 – 2017  
Department of Geography, Planning, & Environment, East Carolina University

Abe Fellow & Visiting Scholar, May 2017 – August 2017  
International Research Institute of Disaster Science (IRIDeS), Tohoku University, Japan

Abe Fellow & Visiting Research Associate, May 2015 – June 2015  
Disaster Prevention Research Institute (DPRI), Kyoto University, Japan

JSPS Fellow & Visiting Research Associate, May 2012 – August 2012  
Disaster Prevention Research Institute (DPRI), Kyoto University, Japan

Visiting Professor, 2009-2010  
Metropolitan College – City Planning and Urban Affairs, Boston University

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## PUBLICATIONS

### Peer Reviewed Articles

Mukherji, A. (2019). Funding flows: Transboundary considerations of disaster recovery. In *Oxford Research Encyclopedia of Natural Hazard Science*. Oxford University Press, Oxford, UK. DOI: 10.1093/acrefore/9780199389407.013.223

Mukherji, A. (2018). Resilience at the margins: Informal housing recovery in Bachhau, India after the 2001 Gujarat quake. *International Journal of Housing Policy*, 18(2): 266-289. DOI: 10.1080/14616718.2016.1219648

Reprinted in: *Housing Policy Innovation in the Global South*, P. Monkkonen (Ed.) (2019). New York: Routledge

Mukherji, A. (2017). Post-disaster housing recovery. In *Oxford Research Encyclopedia of Natural Hazard Science*. Oxford University Press, Oxford, UK. DOI: 10.1093/acrefore/9780199389407.013.82

Mukherji, A. (2015). From tenants to owners: Housing renters after disaster in Bhuj, India. *Housing Studies*, 30(7): 1135-1157. DOI: 10.1080/02673037.2015.1008423

Mukherji, A. (2015). Land readjustment during post-disaster urban reconstruction. *Journal of the American Planning Association*, Special Issue, 80(4): 438-439. DOI: 10.1080/01944363.2014.989058

Mukherji, A., Ganapati, N.E., Rahill, G.J. (2014). Expecting the unexpected: Field research in post-disaster settings. *Natural Hazards*, 73(2): 805-828. DOI: 10.1007/s11069-014-1105-8

Mukherji, A. (2014). Post-disaster housing recovery: The promise and peril of social capital. *Journal of Civil Society*, 10(2): 119-143. DOI: 10.1080/17448689.2014.885787

Rahill, G.J., Ganapati, N.E., Clérismé, J.C., Mukherji, A. (2014). Shelter recovery in urban Haiti after the earthquake: The dual role of social capital. *Disasters*, 38(S1): S73-S93. DOI: 10.1111/disa.12051

Ganapati, N.E., Mukherji, A. (2014). Out of sync: Shared lessons from India and Turkey on World Bank funding and post-disaster planning for housing recovery. *Natural Hazards Review*, 15(1): 58-73. DOI: 10.1061/(ASCE)NH.1527-6996.0000120

Reprinted in: *Urban Planning after Disasters*, R.B. Olshansky (Ed.) (2017). Volume 4, Housing and Economy Recovery, Part 1: Housing Reconstruction Policies. New York: Routledge

Mukherji, A. (2010). Post-earthquake housing recovery in Bachhau, India: The homeowner, the renter, and the squatter. *Earthquake Spectra*, 26(4): 1085-1100. DOI: 10.1193/1.3474646

Geva, A. & Mukherji, A. (2007). A study of light/darkness in sacred settings: Digital simulations. *International Journal of Architectural Computing*, 5(3): 507-521

### **Book Contributions**

Ganapati, N.E. & Mukherji, A. (2019). 'House Keeping': Managing post-disaster housing recovery long term. In Frances L. Edwards (Ed.). *Housing Recovery After Disasters*. Lanham, Maryland: Lexington Books.

### **Technical Reports**

Crawford, T., Salahuddin, A., Curtis, S., Ahmed, A., Allen, T., Bradley, D., Miah, G., Mishra, A., Mukherji, A., Premalal, K. (2013). Human responses to catastrophic monsoon events in South Asia: Designing a spatially explicit model in low-lying coastal areas. *APN Science Bulletin*, Issue 3, March 2013, p.125

Ganapati, N. E. and A. Mukherji. (2009). World Bank and Post-Disaster Recovery Planning in Turkey and India: Need for Flexible Policies. Submitted to the U.S. Department of Housing and Urban Development

### **Other Publications**

Mukherji, A. (2011). Policy for urban housing recovery: Addressing the needs of renters and squatters. In: *Managing Urban Disaster Recovery: Policy, Planning, Concepts, and Cases*, Blakely, E.J. et al. (Eds.), Berkshire, UK: Crises Response Publications

### **Under Revision**

Article: Mukherji, A. & Ganapati, N.E. Panacea or problem: Comparing disaster recovery governance structures created after catastrophic events.

### **Works in Progress**

Book Manuscript: Mukherji, A. Land use reorganization after 3.11 in Japan.

Article: Mukherji, A. Housing recovery in Sendai, Japan after 3.11.

Article: Mukherji, A. Building local resilience: Hazard mitigation plan implementation in coastal North Carolina.

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**GRANTS AND FELLOWSHIPS**

- 2019 - 21      Curtis, S. (PI), Kruse, J. (co-PI), **Mukherji, A. (co-PI)**, Ghosh, A. (co-PI)  
 Funded:        National Oceanic and Atmospheric Administration (NOAA) Grant, \$299,563  
 Project Title: *Preparing for, responding to, and mitigating compound coastal water hazards for resilient rural communities.*
- 2014 – 17      **Mukherji, A. (PI)**, Abe Fellowship  
 Awarded:        The Japan Foundation Center for Global Partnership, \$59,903  
 Project Title: *Planning Urban Recovery and Resilience: Comparing Land Use Policy and Adaptation Initiatives after Catastrophic Events*
- 2012            **Mukherji, A. (PI)** Japan Society for the Promotion of Science (JSPS) Fellowship  
 Awarded:        The Japan Foundation Center for Global Partnership, \$16,000  
 Project Title: *Negotiating Adaptation and Recovery Through Land Use Change in Tohoku, Japan*
- 2012            Crawford, T. (PI), Ahmed, A., Allen, T., Bradley, D., Curtis, S., Miah, G., Mishra, A., **Mukherji, A. (co-PI)**, Premalal, K., Salahuddin, A.  
 Funded:        Asia Pacific Network (APN) Seed Grant, \$15,000  
 Project Title: *Human Response to Catastrophic Monsoon Events in South Asia: Spatially Explicit Modeling in Low-Lying Coastal Bangladesh and India*
- 2010 – 11      Ganapati, E.(PI), Rahill, G. (co-PI), **Mukherji, A. (Project Expert)**, Clerisme, C.  
 Funded:        The National Science Foundation (NSF) Rapid Grant, \$45,441  
 Project Title: *Re-housing Urban Haiti After the Earthquake: The Role of Social Capital*
- 2010 – 11      **Mukherji, A.** American Fellowships – Summer Research Publication Grant  
 Funded:        The American Association of University Women (AAUW), \$6,000
- 2006 – 07      **Mukherji, A.** Periship Fellowship, \$9700  
 Funded:        Awarded by the Natural Hazards Center at the University of Colorado at Boulder with funding from Public Entity Risk Institute (PERI), National Science Foundation, and Swiss Re  
 Project Title: *Negotiating Housing Recovery in Post-Earthquake Urban Kutch, India*
- 2004 – 05      Dean’s Normative Fellowship, University of California at Berkeley
- 2004            Academic Progress Fellowship, University of California at Berkeley
- 2001 – 02      Spiro Kostof Fellowship, University of California at Berkeley

- 2001 Taraknath Das Foundation Grant, \$3,500  
Funded: Southern Asian Institute, Columbia University
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## AWARDS AND HONORS

- 2018 Faculty Travel Award, Thomas Harriot College of Arts and Sciences, East Carolina University
- 2009 Special Recognition, Gill-Chin Lim Award for Best Dissertation in International Planning, The Association of Collegiate Schools of Planning
- 2009 Honorable Mention, Samuel H. Prince Dissertation Award  
International Sociological Association's Research Committee on Disasters
- 2004 Outstanding Graduate Student Instructor Award, University of California at Berkeley
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## PRESENTATIONS AND CONFERENCE ACTIVITIES

### Invited Talks

- 2019 "Building local resilience: Hazard mitigation plan implementation in coastal North Carolina", Disaster Prevention Research Institute (DPRI), Kyoto University, Uji, Japan, April 22, 2019
- 2017 "Holding ground: Land use change in Japan after 3.11", Abe Fellowship Program Brown Bag, Tokyo, Japan, August 3, 2017
- 2017 "Building local resilience: Hazard mitigation plan implementation in coastal North Carolina", Disaster Resilience Colloquium, International Research Institute of Disaster Science (IRIDeS), Tohoku University, Sendai, Japan, June 22, 2017
- 2013 "Resilience at the margins: Planning for squatter housing recovery in Bachhau, India", Panel on *Building Disaster Resilience*, Massachusetts Institute of Technology (MIT) Symposium on *Planning Practices that Matter: Housing for Resilient Cities*, Boston, November 15-16, 2013
- 2012 "Issues in flood mitigation and adaptation", Asia Pacific Network Workshop on *Human response to catastrophic monsoon events in South Asia*, Dhaka, Bangladesh, September 18, 2012
- 2012 "Post-2011 recovery in Tohoku", Group Gozain, Sendai International Center, Japan, August 1, 2012
- 2012 "Searching for resilience in Tohoku", Tohoku University, Sendai, Japan, July 11, 2012
- 2010 "After the cameras have gone: Rebuilding sustainable communities in Haiti", Workshop

on Haiti, Center for Rebuilding Sustainable Communities after Disasters, University of Massachusetts, Boston, April 9, 2010

### **Conference Presentations**

- 2019 Mukherji, A. "Housing recovery in Sendai, Japan after 3.11". Association of the Collegiate Schools of Planning Conference, Greenville, South Carolina, October 26, 2019
- 2018 Ganapati, N.E., Mukherji, A. & Fraser, N. "Participation woes: Public participation in post-disaster recovery planning in Haiti". Association of the Collegiate Schools of Planning Conference, Buffalo, New York, October 27, 2018
- 2018 Mukherji, A. & Ganapati, N.E. "Panacea or problem: Comparing parallel governance structures for disaster recovery". 43<sup>rd</sup> Annual Natural Hazards Research and Applications Workshop, Broomfield, Colorado, July 12, 2018
- 2018 Ganapati, N.E. & Mukherji, A. "House keeping: Managing post-disaster housing recovery long term". American Society for Public Administration Conference, Denver, Colorado, March 11, 2018
- 2017 Mukherji, A. & Ganapati, N.E. "Panacea or problem: Comparing parallel governance structures for disaster recovery", Association of the Collegiate Schools of Planning Conference, Denver, Colorado, October 15, 2017
- 2017 Mukherji, A. "Hazard mitigation plan implementation in coastal North Carolina", Poster at North Carolina Emergency Management (NCEM) / ECU Hurricane Workshop, May 25, 2017
- 2017 Mukherji, A. "Building local resilience: Hazard mitigation plan implementation in coastal North Carolina", Urban Affairs Association Conference, Minneapolis, Minnesota, April 20, 2017
- 2015 Mukherji, A. "Resilience at the margins: Informal housing recovery in Bachhau, India after the 2001 Gujarat quake", Urban Affairs Association Conference, Miami, Florida, April 10, 2015
- 2014 Mukherji, A. & Ganapati, N.E. "Expecting the unexpected: Field research in post-disaster settings", Association of the Collegiate Schools of Planning Conference, Philadelphia, Pennsylvania, October 30, 2014
- 2014 Mukherji, A. "Building local resilience: Hazard mitigation plan implementation in coastal North Carolina", North Carolina Emergency Management (NCEM) / ECU Hurricane Workshop, May 28, 2014

- 2012 Mukherji, A. "Holding ground: Negotiating recovery through land-use change adaptation in Tohoku", Association of the Collegiate Schools of Planning Conference, Cincinnati, Ohio, November 4, 2012
- 2011 Mukherji, A. "Re-housing urban Haiti after the earthquake: Dual role of social capital", Association of the Collegiate Schools of Planning Conference, Salt Lake City, Utah, October 15, 2011
- 2010 Mukherji, A. "Urban housing recovery in Haiti", Association of the Collegiate Schools of Planning Conference, Minneapolis, Minnesota, October 7, 2010
- 2010 Rahill, G.J., Ganapati, N.E., Clérismé, J.C. & Mukherji, A. "Re-housing urban Haiti after the earthquake: The role of social capital", National Science Foundation (NSF), Network for Earthquake Engineering Simulation (NEES), September 23, 2010. Poster at: <http://nees.org/resources/1040/download/>
- 2008 Mukherji, A. "Following the money: Impact of World Bank funds on housing recovery in post-earthquake urban Kutch, India", Association of the Collegiate Schools of Planning Conference, Chicago, Illinois, July 11, 2008
- 2007 Mukherji, A. "Post-earthquake housing recovery in Bachhau, India: The homeowner, the squatter, and the renter", Association of the Collegiate Schools of Planning Conference, Milwaukee, Wisconsin, October 18, 2007
- 2007 Mukherji, A. "Rebuilding Soniwad: Community participation in post-disaster urban reconstruction", Association of American Geographers, San Francisco, California, April 20, 2007
- 2003 Mukherji, A., "Wurster Hall Emergency Egress", Poster at Twenty-third Annual ESRI (Environmental Systems Research Institute) User Conference, San Diego, California, July 7-11, 2003

### **Panel Discussant**

- 2017 "Planning for Environmental Impact", Association of the Collegiate Schools of Planning Conference, Denver, Colorado, October 14, 2017
- 2016 "Developing in flood-prone areas: Guidance and best practices", 41<sup>st</sup> Annual Natural Hazards Research and Applications Workshop, Broomfield, Colorado, July 13, 2016
- 2012 "Emergency planning and recovery processes", Association of the Collegiate Schools of Planning Conference, Cincinnati, Ohio, November 3, 2012
- 2009 "Planning for climate change, planning for disasters: Local and international perspectives", The Edge: Urban and Regional Conversations, Lecture Series, Boston University, Boston, Massachusetts, October 20, 2009

### **Roundtable Participation**

- 2010 “Post-disaster recovery planning in Haiti”, Association of Collegiate Schools of Planning Conference, Minneapolis, Minnesota, October 9, 2010
- 2009 “Post-disaster recovery planning”, Association of the Collegiate Schools of Planning Conference, Crystal City, Virginia, October 2, 2009

### **Conference Panels Organized**

- 2017 “Land sub-division in the floodplains of rural North Carolina”, North Carolina Chapter of the American Planning Association (NC-APA) Conference, Greenville, North Carolina, September 2017
- 2017 “Emergency preparedness planning for public health during Hurricane Matthew”, North Carolina Chapter of the American Planning Association (NC-APA) Conference, Greenville, North Carolina, September 2017
- 2010 “Planning Haiti: The multiple scales of disaster”, Paper Panel, Association of Collegiate Schools of Planning Conference, Minneapolis, Minnesota, October 7, 2010
- 2010 “Post-disaster recovery planning in Haiti”, Roundtable, Association of Collegiate Schools of Planning Conference, Minneapolis, Minnesota, October 9, 2010
- 2009 “Post-disaster recovery planning”, Roundtable (Co-organized), Co-sponsored by GPEIG and HUD, Association of the Collegiate Schools of Planning Conference, Crystal City, Virginia, October 2, 2009
- 2008 “Issues in post-disaster recovery planning: A global perspective”, Paper Panel, Association of Collegiate Schools of Planning Conference, Chicago, Illinois, July 11, 2008

### **Campus Talks**

- 2016 “It was only a ‘Matt’er of time: Understanding Matthew/Remembering Floyd”, Interdisciplinary Panel, Sponsored by the Center for Natural Hazards Research and Department of Geography, Planning and Environment, East Carolina University, November 15, 2016
- 2016 “Holding ground: Disaster recovery through land use change adaptation in Tohoku, Japan”, Geography Colloquium, East Carolina University, September 23, 2016
- 2011 “Rebuilding Haiti”, Great Decisions Program, East Carolina University, February 12, 2011

2010 “Future challenges: Dealing with disasters”, Pardee House Seminar, Pardee Center for the Study of the Long Range Future, Boston University, March 30, 2010

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## **TEACHING EXPERIENCE**

### **East Carolina University**

Planning Studio (Upper Level Undergraduate, Fall 2018-2019)  
Land Use Planning (Upper Level Undergraduate, Spring 2018)  
Growth Management (Graduate, Spring 2018)  
Planning Practicum (Undergraduate Capstone Project, Spring 2018)  
Sustainable Cities (Lower Level Undergraduate, Fall 2011-2017; Spring 2015-2017)  
History and Theory of Planning (Lower Level Undergraduate, Spring 2016-2018; Fall 2018)  
Urban Form and Design (Upper Level Undergraduate, Fall 2010-2019; Spring 2013 & 2014)  
Design for the Built Environment (Graduate, Fall 2011-2018; Spring 2013)  
Emergency Management Planning (Upper Level Undergraduate, Spring 2011-2015; Fall 2016)  
Hazards and Emergency/Disaster Planning (Graduate, Spring 2011-2015; Fall 2016)

### **Boston University**

Comparative Housing (Graduate Seminar, Summer 2010)  
Comparative Urbanization and Planning (Graduate Seminar, Spring 2009 & 2010)  
Theory, Policy, and Practice in Disaster Recovery Planning (Graduate Seminar, Fall 2009)

### **University of California at Berkeley**

Introduction to Computing in Architecture (Upper Level Undergraduate, Fall 2001-2003)  
Social and Cultural Basis of Design (Upper Level Undergraduate, Spring 2002 & 2003)

### **Masters Thesis and Doctoral Dissertation Committees (Completed)**

#### *Committee Member:*

Deanna Swain, PhD, 2017. “Shifting sands and shifting strategies: Advocacy coalitions, Bonner bridge, and the future of NC 12 on North Carolina’s outer banks”

Samantha Connolly, MS, 2018. “Future flood risk perceptions following Hurricane Matthew: A study of Eastern North Carolinians

Logan McSherry, MS, 2018. “Outer banks tourists’ preferences, sensitivities, and environmental perceptions: A case study of Cape Hatteras national seashore”

Jonathan Russell, MS, 2017. “An analysis of wastewater treatment alternatives for the Town of Elm City, North Carolina”

Nola Roberts, MS, 2016. “Bypasses, planning and economic development: A case study of Havelock, North Carolina”

Jamie Heath, MS, 2015. “Local implementation of state wildlife action plan in coastal North Carolina”

Christina Gares, MS, 2013. “Aid allocation and success of USAID funded health programs in Sub Saharan Africa”

## **Masters Thesis and Doctoral Dissertation Committees (Ongoing)**

### *Chair:*

Isaiah Higgs, MS, “Evaluating community influence on land use decisions within Pitt County”

Jacob Matthews, MS, “Juxtaposing urban and rural and Latin American central plaza functions in the Andean highlands of Peru”

### *Committee Member:*

Samantha Wright, MS, “Meteorological Influence on Flight Operations in Eastern North Carolina”

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## **SERVICE**

### **Professional Service**

- Chair Faculty Best Journal Article Award Committee, Global Planning Educators Interest Group (GPEIG), Association of Collegiate Schools of Planning (ACSP), 2019 – *present*
- Reviewer Gulf Research Program (GRP), U.S. National Academies of Sciences, Engineering, and Medicine
- Member Faculty Best Journal Article Award Committee, Global Planning Educators Interest Group (GPEIG), Association of Collegiate Schools of Planning (ACSP), 2016 - 2018
- Member 2017 Annual Conference Host Committee, North Carolina Chapter of the American Planning Association (NC-APA), 2017
- Article Editor Sage Open (2016)
- Referee International Journal of Mass Emergencies and Disasters (2019); International Journal of Disaster Risk Reduction (2019, 2017, 2016, 2015); Journal of Housing and Built Environment (2019), Disasters (2018, 2015), Natural Hazards (2018, 2016, 2012), Journal of Flood Risk Management (2017), Natural Hazards Review (2016), Journal of the American Planning Association (2016, 2013), Emotion, Space and Society (2015, 2014), Journal of Civil Society (2015, 2010), Earthquake Spectra (2011, 2010)
- Reviewer “Knowledge Notes Workshop” World Bank and the Government of Japan project on *Learning from mega disasters*, International Recovery Platform, Kobe, Japan, May 22, 2012
- Member Conference Travel Award Committee, Global Planning Educators Interest Group (GPEIG), Association of Collegiate Schools of Planning (ACSP), 2010-2013
- Core Member Boston University Haiti Advisory Team, January 2010

Assisted the Ministry of Interior, Government of Haiti in drafting a platform document outlining a strategic vision for housing reconstruction in Haiti following the January 2010 earthquake.

Coordinator Department of Architecture Graduate Research Symposium, University of California at Berkeley, Berkeley, California, May 2, 2003

**Departmental Service (Department of Geography, Planning and Environment, ECU)**

Chair Planning Program Scholarship Committee, 2015-2019  
 Member Graduate Committee, 2019-*present*; 2011-2017  
 Member Advisory Committee, 2019-*present*; 2016-2017; 2013-2014  
 Member GIS/Human Geography Faculty Search Committee, 2018-2019  
 Member Curriculum Committee, 2017-2019  
 Member Department Chair Search Committee, 2017  
 Member Web Oversight, 2016-2019  
 Member Personnel Committee, 2015-*present*  
 Coordinator Planning Program Curriculum, 2012-2013  
 Member Planning Faculty Search Committee, 2012-2013  
 Member Graduate Committee, 2011-2017  
 Coordinator Planning Computer Lab, 2011-2014  
 Member Planning Program Committee, 2010-*present*  
 Co-Chair Colloquium Committee, 2010-2012

**University Service (ECU)**

Member ECU Hazard Mitigation Planning Committee  
 Member Faculty at Large Representative, Graduate Council, 2019-*present*  
 Member Advisory Committee, Campus Master Planning, 2018 - 2019  
 Alternate Faculty Chair Representative, Graduate Council, 2018-2019  
 Vice-Chair University Environment Committee, 2017-2018  
 Member Campus Grounds Focus Group, ECU Sustainability Master Plan Strategic Planning Team, 2017-2018  
 Panelist Chancellors Committee on the Status of Women, Promotion and Tenure Workshop, 2017  
 Panelist Harriot College of Arts and Sciences, Promotion and Tenure Workshop, 2017  
 Member Fulbright Campus Review Board, 2016

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**PROFESSIONAL MEMBERSHIPS / AFFILIATIONS**

Center for Natural Hazards Research, East Carolina University (Research Associate)  
 North Carolina Emergency Management (NCEM) Association for Educators  
 American Association of University Women (AAUW)  
 Japan Society for the Promotion of Science (JSPS)