

# Andrew Rumbach

Assistant Professor, Department of Urban and Regional Planning  
University of Colorado Denver

## Education

- 2011 Ph.D. City and Regional Planning, Cornell University  
2007 Master of Regional Planning, Cornell University  
2002 Bachelor of Arts, Political Science, Reed College

## Professional Appointments

- 2013 - Assistant Professor of Urban and Regional Planning, University of Colorado Denver  
2011-2013 Assistant Professor of Urban and Regional Planning, University of Hawaii at Manoa

## Peer Reviewed Articles

- 2018 Shirgaokar, M. & A. Rumbach. Investigating Housing Tenures Beyond Homeownership: A Study of Informal Settlements in Kolkata, India. *Housing Studies* 33(1): 117-139.
- 2017 Rumbach, A. At the Roots of Urban Disasters: Planning and Uneven Geographies of Risk in Kolkata, India. *Journal of Urban Affairs* 39(6): 783-799.
- 2017 Rumbach, A. & M. Shirgaokar. Predictors of Household Exposure to Monsoon Rain Hazards in Informal Settlements. *Natural Hazards* 85(2): 709-728.
- 2017 Hoey, L., A. Rumbach & J. Shake. Bringing Practice to the Classroom: Using a Deliberative Learning and Case Study Approach to Teach International Planning. *Journal of Planning Education and Research* 37(2): 223-233.
- 2016 Rumbach, A., Makarewicz, C. & Nemeth, J. The Importance of Place in Early Disaster Recovery: A Case Study of the 2013 Colorado Floods. *Journal of Environmental Planning and Management* 59(11): 2045-2063.
- 2016 Appler, D. & Rumbach, A. Building Community Resilience Through Historic Preservation. *Journal of the American Planning Association* 82(2): 92-103.
- 2016 Rumbach, A. Decentralization and Small Cities: Towards More Effective Urban Disaster Governance? *Habitat International* 52: 35-42.
- 2014 Rumbach, A. & Foley, D. Indigenous Institutions and Their Role in Disaster Risk Reduction and Resilience: Evidence from the 2009 Tsunami in American Samoa. *Ecology and Society* 19(1).
- 2014 Rumbach, A. Do New Towns Increase Disaster Risk? Evidence from Kolkata, India. *Habitat International* 43: 117-124.
- 2011 Rumbach, A. & Kudva, N. Putting People at the Center of Climate Change Adaptation Plans: A Vulnerability Approach. *Risk, Hazards, & Crisis in Public Policy* 2(4): 1-23.

- 2008 Rumbach, A. Challenges of Disaster Response. In Forrester, John (Ed.) *Interface: New Orleans. Planning Theory and Practice* 9(4): 517-564.
- 2008 Reardon, K., Ionescu-Heroiu, M. & Rumbach, A. Equity Planning in Post-Katrina New Orleans: Lessons from the 9th Ward's ACORN Housing / University Partnership. *Cityscapes* 10(3): 29-48.

### Peer Reviewed Book Chapters

- 2017 Rumbach, A. and C. Makarewicz. Affordable Housing and Disaster Recovery: A Case Study of the 2013 Colorado Floods. In: Sapat, Alka and Ann-Margaret Esnard (Eds.) *Coming Home After Disaster: Multiple Dimensions of Housing Recovery* (pp. 100-112). Boca Raton: CRC Press.
- 2016 Rumbach, A. Disaster Governance in Small Urban Places: Issues, Trends and Concerns. In Ann Miller, M. and Douglass, Douglass (Eds.) *Disaster Governance in Urbanising Asia* (pp. 109-125). New York: Springer.
- 2016 Forester, J., Rumbach, A. and Reardon, K. Working Against the Odds. In Forrester & Reardon (Eds.) *Rebuilding Community After Katrina: Transformative Education in the New Orleans Planning Initiative* (pp. 1-7). Philadelphia: Temple University Press.
- 2016 Rumbach, A. From Crowbars to Community Recovery: A Planning Education in the Eye of the Storm. In Forrester & Reardon (Eds.) *Rebuilding Community After Katrina: Transformative Education in the New Orleans Planning Initiative* (pp. 65-80). Philadelphia: Temple University Press.
- 2016 Hayes, R. and Rumbach, A. Afterword. In Forrester & Reardon (Eds.) *Rebuilding Community After Katrina: Transformative Education in the New Orleans Planning Initiative* (pp. 225-232). Philadelphia: Temple University Press.
- 2015 Rumbach, A. Cities at Risk. In Miraftab, F. and Kudva, N. (Eds.) *Cities of the Global South Reader*. London & New York: Routledge.

### Peer Reviewed Articles Under Review

- Under Review Weinstein, L., A. Rumbach and S. Sinha. Resilient Growth: Fantasy Plans and Unplanned Developments in India's Flood-Prone Coastal Cities. *International Journal of Urban and Regional Research*.
- Under Review Rumbach, A. and D. Appler. The Role of the Main Street Program in Post-Disaster Recovery. *APT Bulletin*.
- Under Review Rumbach, A. and J. Nemeth. Disaster Risk Creation in the Darjeeling-Sikkim Himalayas: Moving Towards Justice. *Environment and Planning E*.

### Non-Peer Reviewed Publications

- 2015 Rumbach, A. and Gossard, B. Manufactured Housing and Flood Recovery in Lyons, Colorado. Prepared for the Lyons Emergency Assistance Fund.

- 2014 Rumbach, A., Makarewicz, C., Nemeth, J. and Thomas, D. Understanding Household Recovery Following the Colorado Flash Floods (2013). Natural Hazards Center Quick Response Research Report #250.
- 2014 Smith, G., Perkes, D., Punchard, D., and Rumbach, A. Living with the St. Vrain. Community Planning Assistance Team report for the Town of Lyons, Colorado.
- 2010 Rumbach, A. Natural Gas Drilling in the Marcellus Shale: An Analysis of Potential Impacts on the Tourism Economy of the Finger Lakes Region. Prepared for the Southern Tier Central Planning Board.
- 2008 Brown, W., Christopherson, S., Levitte, Y., Rightor, N. and Rumbach, A. Building Regional Economies Through Targeted Workforce Development. Prepared for the New York State Association of Counties and the New York State Department of Labor.
- 2007 Rumbach, A., Asare, A. and Kudva, N. Report on an Urban Needs Assessment of the Informal Settlements of Kampala. Prepared for Mercy Corps, Uganda.
- 2007 The ACORN Housing/University Partnership. The People's Plan for Overcoming the Hurricane Katrina Blues.

#### **External Grants & Contracts**

- 2018-2019 Rumbach, A. and R. Piro (co-PIs). Planning for Hazards: Land-Use Solutions for Colorado Guide and Website. Department of Local Affairs (DOLA).
- 2017-2018 Rumbach, A. (PI). Consultant Services Agreement with the National Disaster Preparedness Training Center for course delivery and development.
- 2016-2018 Rumbach, A., Makarewicz, C. and Nemeth, J. (co-PIs). Bringing Stein Back In: Regional Planning, Growth and Equity in the 21<sup>st</sup> Century American West. Clarence S. Stein Institute for Urban and Landscape Studies, Cornell University.
- 2016-2018 Rumbach, A. and R. Piro (co-PIs). Planning for Hazards: Land-Use Solutions for Colorado Guide and Website. Department of Local Affairs (DOLA).
- 2014-2016 Rumbach, A. (PI), Makarewicz, M., Nemeth, J. and Thomas, D. RAPID: Affordable Housing and Equitable Recovery: A Study of the 2013 Colorado Flash Floods. National Science Foundation.
- 2015-2016 Rumbach, A. (PI). Planning for Hazards: Land-Use Solutions for Colorado Guide and Website. Department of Local Affairs (DOLA).
- 2014 Rumbach, A. (PI), Makarewicz, M., Nemeth, J. and Thomas, D. Understanding Household Recovery Following the 2013 Colorado Flash Floods. The Natural Hazards Center.
- 2013-2014 Rumbach, A. (PI). The Ford Foundation and the Planning of Calcutta (1961-1972). Rockefeller Archive Center Grant-in-Aid Program.
- 2011-2013 Foley, D. (PI), Rumbach, A. & Minerbi L. Capacity Building for Community Resilience: Sustainable Ecosystem and Disaster Resilience at the Village Level, American Samoa. NOAA.

2009-2011 Rumbach, A. (PI). The Co-Evolution of Flood Vulnerability and Kolkata's Salt Lake Township. The Clarence S. Stein Institute for Urban and Landscape Studies.

### **Internal Grants**

2017-2018 Rumbach, A. and E. Sullivan (co-PIs). Hurricane Harvey, Mobile Home Parks, and Flood Risk. Office of Research Services, University of Colorado Denver.

2017-2018 Rumbach, A. (PI). Understanding Risk to Environmental Disasters in India's Urbanizing Villages. Office of Research Services, University of Colorado Denver.

2017-2018 Rumbach, A. (PI). Evaluating the Effectiveness of a Case Study, Peer-Learning Approach to Teaching International Planning. Center for Faculty Development, University of Colorado Denver.

2015-2016 Rumbach, A. (PI). Anthropogenic Drivers of Landslide Risk in the Darjeeling-Sikkim Himalayas. Office of Research Services, University of Colorado Denver.

2014-2015 Rumbach, A. (PI). Affordable Housing and Equitable Recovery: A Study of the 2013 Colorado Flash Floods. The Center for Faculty Development, University of Colorado Denver.

2013-2017 (annually) Rumbach, A. Young Upwardly Mobile Professors Grant Program, The Center for Faculty Development and the Department of Planning & Design, University of Colorado Denver.

2011-2013 (annually) Rumbach, A. Professional Development in Research Travel Grant, The Social Science Research Institute, University of Hawaii.

### **Student Supporting Grants & Awards**

2014-2015 Undergraduate Research Opportunities Program (UROP) for Issamar Pichardo and Jeanette Rodriguez. Understanding Latino Community Recovery after the September 2013 Colorado Flash Floods. With Thomas, D. co-sponsoring.

### **Invited Lectures, Presentations and Workshops**

2017 Invited Presentation, with Esther Sullivan – The Socio-Spatial Dimensions of Disaster Risk in Mobile Home Parks: Learning From the 2013 Colorado Floods. Cooperative Institute for Research in Environmental Sciences, University of Colorado Boulder.

2017 Invited Presentation, with Gretel Follingstad – Prospects and Limitations for Climate Change Adaptation in India's Urbanizing Villages. Climate Disaster Governance in Urbanizing Asia. Asia Research Institute, National University of Singapore.

2017 Invited Presentation, with Waverly Klaw (Department of Local Affairs) – Planning for Hazards – Land Use Solutions for Colorado.

2017 Invited Workshop, with Kristin Baja (City of Baltimore) – Building Resilient Communities in the Face of Climate Change. University of Michigan, Taubman College of Architecture and Urban Planning.

- 2016 Invited Presentation, with Jeremy Nemeth – Disaster Risk Creation in the Darjeeling-Sikkim Himalayas: Seeking Justice. Disaster Justice in Anthropocene Asia and the Pacific. Asia Research Institute, National University of Singapore.
- 2016 Invited Lecture – Marshes, Malls, and the Land Mafia: The Political Ecology of Flood Risk in Kolkata, India. Cornell University. Ithaca, New York.
- 2016 Invited Speaker – Patterns in the Inclusion (or Lack Thereof) of Heritage in Hazard Mitigation Plans. US/ICOMOS and NAPC. Mobile, Alabama.
- 2016 Invited Lecture “Seeing the Indian City.” Indian Nepalese Heritage Camp.
- 2016 Invited Presentation – Business as Usual? The (Absence of) Politics of Climate Change and Flooding in Kolkata (with Saumitra Sinha). Symposium on the Politics of Flooding in Asia Coastal Megacities. Northeastern University.
- 2016 Invited Presentation, with Iain Hyde, Anne Miller, and Dale Case – Preparing for a Resilient Future. Denver Regional Council of Governments (DRCOG) Idea Exchange.
- 2015 Invited Workshop - Hazard and Disaster Mitigation Planning. University of Michigan, Department of Urban and Regional Planning.
- 2015 Invited Presentation – Decentralized Disaster Governance in India’s Small Cities. Decentralized Disaster Governance in Urbanizing Asia. Asia Research Institute, National University of Singapore.
- 2015 Invited Lecture - Rising Leader’s Seminar, Kyoto University. Kyoto, Japan.
- 2014 Invited Speaker – Why Planning is Critical to Disaster Resilience. Workshop on Urban Planning and Disaster Risk Reduction. Kalimpong, India.
- 2014 Invited Speaker – At the Roots of Risk: Planning and Uneven Geographies of Risk in Peri-Urban Kolkata. Megacities Symposium, hosted by the Centre for Built Environment. Kolkata, India.
- 2014 Invited Speaker – Disaster Resilience and the 2014 Colorado Floods. City of Boulder and BoCo Strong One-Year Flood Commemoration. Boulder, Colorado.
- 2014 Invited Speaker – Why Planners Are Critical for Achieving Resilience. Colorado Chapter of the American Planning Association. Denver, Colorado.
- 2013 Invited Presentation – Disaster Governance in Small Urban Places – Issues, Trends and Concerns. Disaster Governance: the Urban Transition in Asia. Asia Research Institute, National University of Singapore.
- 2013 Invited Panelist – Emerging Issues in Environmental Planning, Urban Services and the Role of Citizenry. Hawaii Chapter of the American Planning Association. Honolulu, Hawaii.
- 2012 Invited Lecture – Water Bodies, Vulnerable Bodies: Shifting Landscapes of Risk in Peri-Urban Kolkata. International Cultural Studies Certificate Program (ICSCP) Speaker Series, University of Hawaii at Manoa. Honolulu, Hawaii.

- 2012 Invited Speaker, with Dolores Foley (UH Manoa) – Building Resilient Communities – Lessons from American Samoa. NOAA Pacific Services Center. Honolulu, Hawaii.
- 2012 Invited Lecture – Plan Making and the Making of Modern Disaster. Department of Geography Lecture Series, University of Hawaii at Manoa.
- 2012 Invited Lecture – The Family, the Fale, and the Village: Planning for Disaster Resilience in American Samoa. The International Studies in Planning Lecture Series, Cornell University. Ithaca, New York.
- 2012 Invited Lecture – Building Resilient Communities: Stories from the United States, India, and Uganda. The East West Center Lecture Series. Honolulu, Hawaii.
- 2011 Invited Speaker – The City Vulnerable: New Town Planning, Informality and the Geography of Disaster in Kolkata. The South Asia Water Conference. Ithaca, New York.
- 2010 Invited Speaker – Community-University Partnerships in Disaster Risk Reduction – Lessons from New Orleans and Uganda. Seminar on Sustainability and Landslide Disaster Management. Kalimpong, India.
- 2010 Invited Paper – The Importance of Urban Heritage Studies in Disaster Recovery Planning: The Case of New Orleans, Louisiana. National Conference on Conservation of Architectural and Urban Heritage. Kolkata, India.
- 2009 Invited Lecture – ‘Only by the Grace of God’ – The Political Ecology of Urban Disasters. The Department of Design Criticism at the School of Visual Arts - Spring Lecture Series. New York City, New York.
- 2009 Invited Speaker – New Orleans and Hurricane Katrina: Lessons for Urban Risk Reduction. Oxfam E-Conference on Disaster Risk Reduction and Climate Change Adaptation.

#### **Peer-Reviewed Presentations at Meetings & Conferences**

- 2017 Paper presentation, with Carrie Makarewicz and Esther Sullivan. Halfway Homeowners, Halfway Citizens: Mobile Home Parks and Uneven Recovery After the 2013 Colorado Floods. Association of Collegiate Schools of Planning annual conference. Denver, Colorado.
- 2017 Panel presentation, with Waverly Klaw and Molly Mowery. Planning For Hazards: Guiding Communities Through Wildfire Risk Reduction and More. Colorado Wildland Fire Conference. Pueblo, Colorado.
- 2016 Paper presentation, with Douglas Appler. Protecting Historic Resources from Natural Hazards and Climate Change: The Role of Collaborative Networks. Association of Collegiate Schools of Planning annual conference. Portland, Oregon.
- 2016 Paper presentation – Small Cities and Disaster Risk Creation in the Darjeeling Sikkim Himalayas. International Research Committee on Disasters Research Meeting. Broomfield, Colorado.

- 2016 Panel presentation – Learning From Disasters to Enhance Resilience. The Natural Hazards Workshop. Broomfield, Colorado.
- 2016 Panel organizer and presentation – Land-Use Tools for Building Community Resilience. Annual conference of the American Planning Association, Colorado Chapter. Colorado Springs, Colorado.
- 2016 Paper presentation, with Manish Shirgaokar – Predictors of Household Exposure to Monsoon Rain Hazards in Informal Settlements in Kolkata, India. Urban Affairs Association annual meeting. San Diego, California.
- 2015 Paper presentation, with Leslie Hoey – Deliberative Learning: Connecting International Urban Planning Theory and Practice Through a Case Study, Peer-Learning Approach. Association of Collegiate Schools of Planning annual conference. Houston, Texas.
- 2015 Panel presentation – The Rocky Road to Recovery: The Lyons Housing Collaborative. Housing NOW annual conference. Beaver Creek, Colorado.
- 2014 Paper presentation, with Carrie Makarewicz, Jeremy Nemeth, and Deborah Thomas – Affordable Housing and Equitable Recovery. Association of Collegiate Schools of Planning annual conference. Philadelphia, Pennsylvania.
- 2014 Paper presentation, with Carrie Makarewicz, Jeremy Nemeth, and Deborah Thomas – Affordable Housing and Equitable Disaster Recovery: A Study of the 2013 Colorado Flash Floods. Third International Conference on Urban Disaster Reduction. Boulder, Colorado.
- 2014 Paper presentation – Planning, Informality, and Uneven Geographies of Risk: A Study of Bidhannagar, Kolkata. International Research Committee on Disasters Research Meeting. Broomfield, Colorado.
- 2013 Paper presentation – A House of (Concrete) Cards: Small Cities and the Future of Disaster Risk in Asia. Urban Affairs Association. San Francisco, California.
- 2012 Paper presentation – Family, Faith and the Fale: Tsunami Recovery and Community Resilience in American Samoa. Association of Collegiate Schools of Planning annual conference. Cincinnati, Ohio.
- 2011 Paper presentation – The Politics of Planning in Post-Independence Calcutta. Association of Collegiate Schools of Planning annual conference. Salt Lake City, Utah.
- 2008 Paper presentation – Disaster, Uncertainty, and the Role of Participatory Planning. The International Disaster and Risk Conference. Davos, Switzerland.
- 2007 Paper presentation. The Vulnerable City: The Role of Planning in Urban Disaster Studies. Planners Network annual conference. New Orleans, Louisiana.

### **Awards & Honors**

- 2016 Runner-up, ‘Best Paper of the Year Award’ for the article “Building Community Resilience Through Historic Preservation,” with Douglas Appler. *Journal of the American Planning Association*.

- 2014-2016 Enabling the Next Generation of Hazards and Disasters Research Fellow. National Science Foundation.
- 2011 Gill Chin-Lim Award for Best Dissertation on International Planning. The Association of Collegiate Schools of Planning & Global Planning Educator's Interest Group.
- 2009-2010 J. William Fulbright Research Fellowship. The Institute of International Education and the U.S. Department of State.
- 2009-2010 National PERIship Award in Hazards, Risk, and Disasters The Natural Hazards Center, Public Entity Risk Institute and Swiss Re.
- 2009 Critical Language Scholarship, Hindi Intensive Summer Institute. The U.S. Department of State Bureau of Educational and Cultural Affairs and The Council of American Overseas Research Centers.
- 2009 Graduate Student of the Year Award. The American Society for Photogrammetry and Remote Sensing, Central New York Region.
- 2006-2008 Foreign Language and Area Studies Fellowship (FLAS), Hindi/Urdu. The United States Department of Education.
- 2007 Kermit C. Parsons and Janet I. Parsons Scholarship for Public Service. College of Art, Architecture, and Planning, Cornell University.