

Danya Lee Rumore

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EDUCATION

- 2011-2015 **Massachusetts Institute of Technology (MIT)** Cambridge, Massachusetts
PhD, Environmental Policy and Planning
- Specialization: Science, Society, and Environmental Decision-Making
 - Dissertation: *Role-play simulations: a tool for transformative civic education and engagement around science-intensive environmental issues*. Committee: Lawrence Susskind (MIT; Chair); Noelle Selin (MIT); and Paul Kirshen (UNH)
- 2008-2010 **University of Auckland** Auckland, New Zealand
Master of Science, Environmental Management and Geography
- First Class Honors
 - Thesis: *Repoliticizing urban sustainability and the politics of the possible*
- 2003-2007 **Oregon State University** Corvallis, Oregon
Bachelor of Science, Environmental Science and Natural Resource Economics
- Summa Cum Laude

PROFESSIONAL EXPERIENCE

- 2015—present **University of Utah** Salt Lake City, Utah
Director (July 2017-present) and Associate Director (July 2015-June 2017), Environmental Dispute Resolution Program
Research Associate Professor (July 2018-present) and Research Assistant Professor (July 2015-July 2018), S.J. Quinney College of Law
Research Assistant Professor, Department of City and Metropolitan Planning
- 2009—present **Self-Employed** Cambridge, Massachusetts
Freelance Science Writer and Editor Salt Lake City, Utah
- 2011—2015 **MIT Science Impact Collaborative** Cambridge, Massachusetts
Assistant Director and Project Manager
- 2012—2015 **Consensus Building Institute** Cambridge, Massachusetts
Associate
- 2012—2015 **Idaho Conservation League** Sandpoint, Idaho
Consultant
- 2011 **Small Planet Institute** Cambridge, Massachusetts
Interim Institute Manager

SELECT RESEARCH

- 2018—present **Best Practices in Environmental Conflict Resolution** United States
Co-Principal Investigator
- Empirically documenting and examining the state of the practice and the effectiveness of best practices for environmental conflict resolution and collaborative governance
- 2018—present **Collaborative Forest Planning and Management** Western U.S.
Principal Investigator
- Leading an ongoing research effort exploring opportunities for improved collaboration around planning and management of western national forests
 - IN partnership with the Ruckelshaus Institute at the University of Wyoming, conducting a Situation Assessment of management and planning on the Bridger-Teton National Forest to identify opportunities for improved collaboration
- 2016—present **Planning in Gateway and Natural Amenity Region Communities** Western U.S.
Principal Investigator
- Leading an ongoing research project that is investigating the key planning challenges and opportunities in gateway and natural amenity regions in the western United States
 - Project funded by a grant from the National Institute for Transportation and Communities (\$93K)
- 2015—present **Regional Collaboration, Resilience Communities** Utah and Idaho
Principal Investigator and Facilitator
- Leading an ongoing community-based research, education, and capacity building project that is supporting regional collaborative planning in rural mountain west regions facing significant growth pressures. Currently working in the Zion National Park region, UT, and Bonner County, ID
 - Project funded by grants and gifts from the National Institute for Transportation and Communities (\$40K); the LOR Foundation (\$22K); the St. George Area Convention and Tourism Office (\$20K); the National Association of Realtors (\$16.5K); the University of Utah Scholarship and Innovation Program (\$10K); Washington County, Utah (\$7K); the Utah Office of Tourism (\$3.5K); and the Town of Springdale (\$3.5K)
- 2015—2018 **Impact Assessment of NCR RSF under the National Disaster Recovery Framework**
Co-Investigator
- Co-led an impact assessment of select disaster recovery efforts to inform future NCR RSF work
 - Project funded by a \$30K grant from the U.S. Department of the Interior
- 2012—2015 **New England Climate Adaptation Project** Cambridge, Massachusetts
Project Manager and Lead Researcher
- Managed the New England Climate Adaptation Project, a collaborative research effort that developed stakeholder engagement and education tools for local-level climate change adaptation; facilitated collaboration among 25 project scientists, consultants, and local government partners across four sites; oversaw an annual budget of approximately \$300K
 - Project funded by a \$600K grant from the National Estuarine Research Reserve System Science Collaborative

- 2009 **New Zealand Centre for Sustainable Cities** New Zealand
Research Fellow
- Conducted research on effective governance and stakeholder engagement approaches for local sustainability initiatives
- 2008—2009 **United States Fulbright Student Program** New Zealand
Fulbright Fellow to New Zealand
- Conducted research on collaborative environmental management and community-based sustainability initiatives

SELECT TEACHING

- Spring 2019* **University of Utah** Salt Lake City, Utah
Instructor: Negotiation and Dispute Resolution in the Public Sector
Guest lecturer: Class on “Collaboration around wicked problems: the case of the Great Salt Lake” for the Global Change and Sustainability Seminar; Class on “Alternative Dispute Resolution” for the Environmental Law course
- Fall 2018* **University of Utah** Salt Lake City, Utah
Instructor: Gateway and Natural Amenity Community Planning Workshop
Guest lecturer: Class on “Collaboration and Community Engagement” for the Design Contexts course
- Spring 2018* **University of Utah** Salt Lake City, Utah
Instructor: Negotiation and Dispute Resolution in the Public Sector
Guest lecturer: Class on “Having difficult conversations...productively” for the Environmental Capstone class
- Fall 2017* **University of Utah** Salt Lake City, Utah
Instructor: Gateway and Natural Amenity Community Planning Workshop
- Spring 2017* **University of Utah** Salt Lake City, Utah
Instructor: Negotiation and Dispute Resolution in the Public Sector
- Fall 2017* **University of Utah** Salt Lake City, Utah
Instructor: Gateway and Natural Amenity Community Planning Workshop
Co-Instructor: Reason, Power, and Values
Guest lecturer: Class on “Making Conflict Productive” for the graduate Planning Communication course; Class on “Enhancing community readiness to adapt through role-play simulations” for the Wasatch Experience teaching assistant training course; Class on “Enhancing community readiness to adapt: strategies for education, engagement, and collective risk management” for the Climate Adaptation Planning course
- Spring 2016* **University of Utah** Salt Lake City, Utah
Instructor: Negotiation and Dispute Resolution in the Public Sector
Guest Lecturer: Class on “Climate Change Adaptation” for the graduate Planning for Disasters and Environmental Change course; Class on “Facilitation” for the Conflict Resolution Graduate Certificate course; Class on “Collaborative Climate Change Adaptation Planning” for the graduate Environmental Conflict Resolution course
- Fall 2015* **University of Utah** Salt Lake City, Utah

Guest Lecturer: Class on “Planning with Complexity and Consensus Building” for the graduate Reason, Power, and Values course; Class on “Making Conflict Productive” for the graduate Planning Communication course; Role-play simulation training for the Global Change and Sustainability Center seminar; Lecture on “Helping Communities Adapt to Climate Change Through Collaborative Action Research” for the Global Change and Sustainability Center seminar

- Spring 2015* **Ohio State University** Columbus, Ohio
Guest Lecturer: Graduate class on designing and using science-based role-play simulations for planning and public engagement
- 2012—2014* **Harvard University** Cambridge, Massachusetts
Guest Lecturer: Graduate and undergraduate classes on the Mutual Gains Approach to trans-boundary water management
- Fall 2014* **Harvard School of Public Health** Boston, Massachusetts
Teaching Assistant: Negotiation for Public Health Professionals
- Spring 2014* **Massachusetts Institute of Technology** Cambridge, Massachusetts
Teaching Assistant: Negotiation and Dispute Resolution in the Public Sector
- Spring 2013* **Massachusetts Institute of Technology** Cambridge, Massachusetts
Teaching Assistant: The Art and Science of Negotiation

SELECT PUBLICATIONS

- Zajchowski, C., M. Brownlee, M. Blacketer, J. Rose, D. Rumore, J. Watson, and D. Dustin (forthcoming, 2019) “Can You Take Me Higher?": Normative Thresholds for Air Quality in the Salt Lake City Metropolitan Area, *Journal of Leisure Research*.
- Rumore, D., Schenk, T., & Susskind, L. (2016). Role-play simulations for climate change adaptation education and engagement. *Nature Climate Change*, 6(8), 745-750.
- Czaika, E., Rumore D., & Schenk. T. (2016). Finding the facts about joint fact-finding: Criteria and approaches for rigorous evaluation. In M. M. Editor & T. S. Editor (Eds.), *Joint Fact Finding in Urban Planning and Environmental Disputes* (pp.181-203), London, UK: Routledge.
- Schenk, T., Czaika, E., Russo, M., & Rumore, D. (2016). Joint fact finding: An approach for advancing interactive governance when scientific and technical information is in question. In J. E. Editor & I. V.M. Editor (Eds.), *Critical Reflections on Interactive Governance* (pp. 376—400), Northampton, MA: Edward Elgar Publishing.
- Cachelin, A., Rose, J., & Rumore, D. (2016). Leveraging place and community for critical sustainability education: The promise of participatory action research, *Journal of Sustainability Education*, 11.
- Susskind, L., Rumore, D., Hulet, C., & Field, P. (2015). *Managing Climate Change Risks in Coastal Communities: Strategies for Engagement, Readiness and Adaptation*. London, UK: Anthem Press.
- Susskind, L. & Rumore, D. (2015). Using devising seminars to advance collaborative problem solving in complicated public policy disputes. *Negotiation Journal*, 31(3): 223-235.
- Rumore, D. (2014). Building the capacity of coastal communities to adapt to climate change through participatory action research. *Carolina Planning Journal*, 39, 16-23.

Susskind, L. & Rumore, D. (2013). Collective climate adaptation: Can games make a difference?. *The Solutions Journal*, 4(1): 19-24.

SELECT FELLOWSHIPS, SCHOLARSHIPS, AND AWARDS

Rob Williams Award for Emerging Environment and Public Policy Leaders, Association for Conflict Resolution, 2018.

John S. Hennessy Fellowship for Environmental Studies, MIT, 2014—2015.

Martin Family Fellowship for Sustainability Studies, MIT, 2014—2015.

MIT Public Service Center Fellowship, MIT, 2013, 2014, 2015.

Climate CoLab Contest Winner, MIT, 2013.

MIT Presidential Fellowship, MIT, 2011—2012.

Fulbright Continuation Scholarship, University of Auckland, 2009.

Fulbright Graduate Student Fellowship, United State Department of State, 2007—2008.

Dean's Scholarship in the College of Science, Oregon State University, 2006—2007.

Environmental Science Departmental Scholarship, Oregon State University, 2006—2007.

SELECT INVITED TALKS

Collaboration and Partnerships around National Parks. Qinghai Administration for Sanjiangyuan National Park: Short Course on Managing Outdoor Recreation and Tourism, Salt Lake City, Utah, 2018.

Collaboration 101 for Planners. Utah American Planning Association Conference (keynote), Hurricane, Utah, 2018.

Resilient Communities and Disasters. Building Resilient Communities Conference, Utah, 2018.

Collaboration, Leadership, and Effective Risk Communication for Climate Change Adaptation. Utah Climate Action Network (keynote), Salt Lake City, UT, 2017.

Collaborative Planning in the Zion Region. Women in Transportation Seminar Retreat, Springdale, UT, 2016.

Water Diplomacy: Theories, Tools, and Techniques. Oregon State University Water Cooperation and Peace Seminar Series, Corvallis, OR, 2016.

Collaborative Planning: A Tool for Helping Gateway Communities Thrive. Utah Outdoor Recreation Summit, Cedar City, UT, 2016.

Best Practices for Communicating about Risk and Vulnerability and Engaging the Community in Planning. Cape Coastal Conference, Hyannis, MA, 2015.

Negotiation and Dispute Resolution for Planners. Utah American Planning Association Chapter Conference, Lehi, UT, 2015.

Using Vulnerability Assessments and Role Play Scenarios to Facilitate Climate Adaptation in National Estuarine Research Reserve System (NERRS) Communities. NERRS Annual Meeting, Shepherdstown, WV, 2014.

Assessing the Social Landscape for Adaptation: Lessons Learned from the New England Climate Adaptation Project. New Hampshire Climate Summit III, Great Bay National Estuarine Research Reserve, NH, 2014.

SELECT RECENT CONFERENCE PRESENTATIONS AND POSTERS

Planning Across Boundaries: A Regional Approach, Mountain and Resort Town Planners Summit, Canmore, British Columbia, 2018.

Gateway and Natural Amenity Region Initiative, Utah Outdoor Recreation Summit, Heber, UT, 2018.

Planning in Gateway and Natural Amenity Regions, Association of Collegiate Schools of Planning Conference, Buffalo, NY, 2018

Collaborative Regional Planning: A Tool for Helping Gateway and Small Resort towns Thrive, Rocky Mountain Land Use Institute, Denver, CO, 2017.

Leadership and Planning, American Planning Association National Planning Conference, New York City, NY, 2017.

Advancing the Evaluation of Collaboration Governance Through Research and Academic Collaboration, University Network for Collaborative Governance Annual Meeting, Portland, OR, 2016.

Collaborative Regional Planning: A Tool for Helping Gateway Communities Thrive. Presentation and Session Organizer. Association of Collegiate Schools of Planning Conference, Portland, OR, 2016.

Serious Games, Serious Learning: An Evaluation of the Effectiveness of Role-Play Simulations as a Public Education and Engagement Tool for Science-Intensive Planning Issues. Presentation. Association of Collegiate Schools of Planning Conference, Houston, TX, 2016.

Role-Play Simulations: A Tool for Building Capacity for Adaptation. Presentation. Association of Conflict Resolution Environment and Public Policy Section Conference, Denver, CO, 2015.

Facilitating Collaborative Problem-Solving for a Changing Arctic: The Case of the Devising Seminar on Arctic Fisheries. Poster. Arctic Frontiers, Tromsø, Norway, 2015.

SELECT TRAININGS AND WORKSHOPS (AS TRAINER/FACILITATOR)

Short Course on Effective Natural Resources Collaboration, Salt Lake City, UT, 2016, 2017, 2018. Co-developing and co-instructing a multi-session professional training on the art and science of collaborative problem solving, with a focus on environmental and natural resources issues in Utah.

Collaboration and Forest Service Plan Revision, Vernal, UT, 2018. Co-developed and co-instructed a two-day training on collaboration and forest plan revision for the Ashley National Forest.

2017 Utah Forum on Collaboration, Salt Lake City, UT, 2017. Co-organized, developed content for, and facilitated the second Utah Forum on Collaboration, which brought together 30 high-level state and federal agency personnel to discuss opportunities and challenges for advancing natural resources and environmental collaboration in the State of Utah.

Facilitation for Professionals, Salt Lake City, UT, 2017. Co-developed and co-instructed a basic and advanced facilitation training for Salt Lake City staff.

2015 Utah Forum on Collaboration, Salt Lake City, UT, 2015. Co-organized, developed content for, and facilitated the first Utah Forum on Collaboration, which brought together 40 high-level state and federal

agency personnel to discuss opportunities and challenges for advancing natural resources and environmental collaboration in the State of Utah.

Water Diplomacy Workshop, Cambridge, MA, 2013, 2014, 2015. Managed, supported content development for, and co-facilitated the annual week-long Water Diplomacy Workshop, a training in mutual gains approaches to water management for international water professionals, in collaboration with colleagues from MIT, Tufts University, and other nearby institutions.

Assessment, Engagement, and Collective Action—A Toolbox for Climate Adaptation Planning, Providence, RI, 2014. Co-organized and facilitated a training on tools and approaches for local adaptation planning for the Southern New England American Planning Association Conference.

New England Climate Adaptation Project Educators Trainings, New England, 2013, 2014. Developed content for two full-day trainings showing educators how to use role-play simulations to teach about climate change risks and adaptation in their classrooms.

Indus River Water Managers Training, Islamabad, Pakistan, 2012. Led content development for, designed a role-play simulation for, and co-facilitated a training on mutual gains approaches to water management for Indus River water managers, in collaboration with colleagues from Harvard University.

SELECT FACILITATION AND MEDIATION PROJECTS (AS LEAD FACILITATOR)

Collaborative Governance Scholarship and Research Retreat, Teton National Park, WY, 2018. Co-organized and facilitated a multi-day research retreat on collaborative governance and scholarship, which culminated in pathways forward for continued research collaboration and the underpinnings of a shared research agenda.

Bonner Community Collaborative, Sandpoint, ID, 2016—present. Helped catalyze and continue to facilitate an ongoing regional planning collaborative addressing key planning and livability issues in the greater Sandpoint region of Bonner County, Idaho.

Zion Regional Collaborative, Springdale, UT, 2015—present. Helped catalyze and continue to facilitate an ongoing regional planning collaborative addressing key planning and visitation-related issues in the Zion National Park region of southern Utah.

Town of Springdale Lodging Forum, Springdale, UT, 2017. Developed and facilitated a community-learning forum for the Town of Springdale to assist the town in addressing community angst related to rapid development of hotels and other tourist lodging. Developed and administered a public survey to collect additional community input.

Town of Rockville Community Forums, Rockville, UT, 2015 and 2016. Developed and facilitated two community-learning forums for the Town of Rockville, one focused on culinary water issues in the town and the other focused on how to proceed with rehabilitating or replacing the historical truss bridge.

Environmental Water Transactions Workshops, Boulder, CO and Phoenix, AZ, 2016. Facilitated workshops aimed at identifying key opportunities and challenges for advancing environmental water transaction tools and approaches in CO and AZ, which were convened by The Nature Conservancy.

New England Climate Adaptation Project Community Workshops, Cambridge, MA, 2013. Organized, developed content for, and facilitated six climate change adaptation capacity-building workshops in New England communities as part of the New England Climate Adaptation Project. Oversaw and trained facilitators and staff for more than 20 additional workshops.

SELECT TRAININGS (AS PARTICIPANT)

University of Utah Grant Writing Academy, Deer Valley, UT, 2016. Multi-day immersive grant writing academy focused on developing a National Science Foundation proposal.

UiT Young Scientist Forum, Tromsø, Norway, 2015. Two-week interdisciplinary research training for early career researchers, culminating in the development of a multi-disciplinary research proposal.

Exercising Leadership, Harvard University, Cambridge, MA, 2014. Semester-long experiential learning course on the practice and theory of leadership, with an emphasis on distinguishing leadership from authority and exercising leadership for adaptive challenges, taught by Professor Ronald Heifetz.

MIT-Imperial College Global Fellows Program, Imperial College, Wokingham, UK, 2014. Weeklong intensive training in small group work and leadership for collaborative interdisciplinary research.

MIT Teaching Certificate Program, MIT, Cambridge, MA, 2013. Weeklong intensive training program teaching course design, best practice for teaching, and teaching theory.

SELECT SERVICE

2015—present **University Network for Collaborative Governance** National
Steering Committee Co-Chair (2018—present) and general member (2015—2018)
Conference Planning Committee member (2016-2018)

2018—present **Association for Conflict Resolution Environment and Public Policy Section** National
Leadership Council Ex-Officio Member (2018—present)

2015—present **Global Change and Sustainability Center** University of Utah
College Representative

2015—present **Center for Ecological Planning and Design** University of Utah
Steering Committee member