

Education

University of North Carolina School of Law

Chapel Hill, NC

Juris Doctor, High Honors, May 2011

GPA: 3.876, Top 10%: 3.789; Order of the Coif

North Carolina Law Review, Staff Member; Environmental Law Project 2010 Symposium Editor

Relevant Coursework: Interagency Environmental Cooperation: Certificate of Merit (First in Class), Environmental Law, International Environmental Law, Administrative Law, Carbon Trading Practice, Animal Law (at Duke University School of Law), Advanced Property Law, Environmental Practice and Policy, Administrative Practice, Externship with the North Carolina Department of Justice's Environmental Division

Georgia Institute of Technology

Atlanta, GA

Bachelor of Chemical Engineering, High Honors, June 1999

Cooperative Plan, Dual Certificates in German and International Affairs

Bar Admissions

State of North Carolina

2011

United States Patent and Trademark Office

2011

United States District Court for the Eastern District of North Carolina

2012

Teaching

Energy

Fall 2018, Fall 2019

Property

Spring 2018, Spring 2019

Environmental Law

Fall 2017, Spring 2019

International Environmental Law

Spring 2017

Articles

- *Private (Utility) Regulators*, 50 ENVTL. L. (forthcoming 2020).
- *Sharing Negawatts: Property Law, Electricity Data and Facilitating the Energy Sharing Economy*, 123 PENN STATE L. REV. 355 (2019).
- *Roads to Nowhere in Four States: State and Local Governments in the Atlantic Southeast Facing Sea-Level Rise*, 44 COLUMBIA J. OF ENVTL. L. 67 (2019) (with Shana Jones, Thomas Ruppert, Erin L. Deady, Scott Pippin, Ling-Yee Huang, and Jason M. Evans).
- *Game Over: Regulatory Capture, Negotiation, and Utility Rate Cases in an Age of Disruption*, 52 U.S.F. L. REV. 75 (2017).
- *A Fix for a Thirsty World: Making Direct and Indirect Reuse Legally Possible*, 42 WM. & MARY ENVTL. L. & POL'Y REV. 201 (2017).

- *All of the Above: One way state regulatory frameworks impact the utility of the future*, 8 GEO. WASH. J. ENERGY & ENVTL. L. 78 (2017).
- *A Long Slog: What a Ten Year Hydroelectric Relicensing Process Demonstrates about Public Participation and Administrative Regulation Theories*, 53 IDAHO L. REV. 41 (2017).
- *Incenting Green Technology: The Myth of Market-based Commercialization of No- and Low-Carbon Electricity Sources*, 24 N.Y.U. ENVT. L.J. 404 (2016).
- *RIO to REV: What U.S. Power Reform Should Learn from the U.K.*, 36 PACE L. REV. 101 (2015).
- *A Tale of Two Solar Installations*, 38 U. HAW. L. REV. 131 (2016).
- *Lake Lanier and the Corps: How Adaptive Management Could Help in the ACF System*, 51 IDAHO L. REV. 279 (2014).
- *Not One Without the Other: The Challenge of Integrating U.S. Environment, Energy, Climate, and Economic Policy*, 44 ENVT. L. 1079 (2014) (with Victor Flatt).
- *Curtailment First: Why Climate Change and the Energy Industry Suggest a New Allocation Paradigm is Needed for Water Utilized in Hydraulic Fracturing*, 48 U. RICH. L. REV. 829 (2014) (with Victor Flatt).

Professional Experience

Seton Hall University School of Law

July 2018 – present

The only private law school in New Jersey, Seton Hall University School of Law is located in the City of Newark, New Jersey's largest city. Seton Hall Law offers both day and weekend programs leading to the Juris Doctor (J.D.), Master of Laws (LL.M.) in Health Law, Master of Laws (LL.M.) in Intellectual Property Law, and Master of Science in Jurisprudence (M.S.J.) degrees. Now in its second-half century, Seton Hall Law has achieved national distinction in the areas of health and pharmaceutical law, intellectual property law, public interest and government service, and international and corporate practice. The Seton Hall Law faculty consists of nationally respected scholars and sought-after experts in fields ranging from corporate governance and finance, to health law, intellectual property law, international law, labor and employment law, and public interest law.

Associate Professor

- Teaching Energy Law, Environmental Law, and Property
- Service: Charter Day (2018-19), Curriculum (2018-20), Honor Court (2019-20) and Admissions (2018-19) Committees

University of North Carolina School of Law

Center for Climate, Energy, Environment and Economics (CE₃)

August 2012 – July 2018

Founded in 2008 as the Center for Law, Environment, Adaptation and Resources (CLEAR), CE₃ educates Carolina Law students by engaging the intersection of climate, energy law, environmental law and economic development. Addressing this intersection requires engaging in: 1) the holistic needs of communities; 2) the role of innovative technologies, finance, and the private sector in protecting our environment and providing for development; and 3) protecting the discourse of scientists, attorneys, policy makers and the private sectors.

Fellow and Assistant Director

Main activities from the last year relating to the academic life of UNC included:

- Increased teaching responsibilities
- Mentored students, including serving as lead coach for both the Environmental and Energy moot court teams
- Supervised student research and writing on coastal law property and infrastructure topics and administered a joint grant with SeaGrant North Carolina as part of a larger Southeast Regional NOAA grant

Other activities included: Authored and published original environmental, adaptation and energy-related research, specifically around water and electricity regulation. Presented thought leadership at industry conferences and multi-disciplinary workshops. Authored comments on behalf of the Center in regulatory and administrative proceedings. Developed five-year strategic plan for CLEAR to secure support and funding for implementation from the UNC School of Law Board of Directors, Faculty and major donors; plan founded on four cornerstones of

Governance & Administration, Thought Leadership, Student Focus and a National Network of Scholars. Managed grant proposals and submissions. Planned, implemented and organized Center initiatives, including the Environmental Scholar program, lectures, conferences, networking and outreach activities. Conferences included participating in the preparation of white papers and other conference work product. Planned and presented during Carolina Law's Festival of Legal Learning. Liaison to the Environmental Law Project (ELP), the student environmental law group, including disseminating writing competition, campus lecture, summer course and job postings. Developed and implemented the Center's social media presence, including Facebook, Twitter, Instagram, website, brochure for prospective students and newsletter. Represented the Center at admitted student days, alumni events, and other networking opportunities.

North Carolina Court of Appeals

August 2011 – August 2012

The Court of Appeals is the state's intermediate appellate court. The court has 15 judges who hear cases in panels of three. The Court decides only questions of law in cases appealed from superior and district courts and from some administrative agencies of the executive branch. Appeals range from infractions to non-capital murder cases, and the Court heard 1,650 cases in 2010-11.

Clerk / Research Assistant for the Honorable Martha Geer

Researched applicable law and determined appropriate standard of review for cases including 21 criminal appeals, four termination of parental rights appeals, and 23 civil appeals. Civil appeals included arguments related to the commerce clause, the contract clause, vested rights, standing, statutory construction, adverse possession, unfair and deceptive trade practices, easements, and CAMA. Drafted bench memoranda and opinion for each case. Observed and documented oral arguments before the Court. Mentored interns and externs.

Southern Environmental Law Center

May 2010 – August 2010

The Southern Environmental Law Center is the only regional nonprofit using the power of the law to protect the health and environment of the Southeast (Virginia, Tennessee, North and South Carolina, Georgia, and Alabama). SELC's team of nearly 50 legal experts represent more than 100 groups on issues of climate change and energy, air and water quality, forests, the coast and wetlands, transportation, and land use.

Legal Intern – Chapel Hill Office

Performed discovery in hydroelectric dam relicensing litigation, including document review using Concordance. Researched legal issues including intervention in Supreme Court original jurisdiction cases and the effect of changed EPA guidance on state agency action. Reviewed attorney drafts and conducted required cite checks and bluebooking. Composed legal memoranda for attorneys. Assisted with research and briefs related to Integrated Resource Plan hearings before the Georgia and North Carolina Public Utility Commissions. Completed research regarding coal combustion waste with other partner organizations. Prepared additions to EA/EIS submission; drafted comments for federal rulemaking.

The Nature Conservancy

May 2009 – August 2009

The Nature Conservancy is a leading conservation organization working around the world to protect ecologically important lands and waters for nature and people. The Conservancy and its more than 1 million members have protected nearly 120 million acres worldwide.

Legal Intern – Southern Resource Office

Researched legal issues which would be decisions of first impression for North Carolina and drafted legal memoranda for local chapter. Researched and answered legal inquiries from the South Carolina and Kentucky chapters related to conservation easements, tax law, contracts, and municipal ordinances.

Sears Holdings Corporation July 2003 – June 2008

Sears Holdings Corporation is the nation's third largest retailer, with approximately \$55 billion in annual revenues.

Director, Quality, Continuous Improvement and Analytics / Sears Logistics Services

Developed curriculum and teaching materials for data-driven decision making and statistical methods course to be deployed throughout the Home Services business; successfully taught and mentored regional executives; developed strategy and implemented new organization; negotiated long-term supply contracts with multi-national vendors; ensured acceptance by key business leadership and other stakeholders; managed geographically disparate team with varied backgrounds and experience levels with excellent results; mentored associates within group and outside; responsible for \$200MM reduction in costs; responsible for analytics and outbound quality results for 19 manufacturing plants on three continents plus 11 Sears-owned distribution centers within the United States; managed cross-business unit Program Management Office; accountable for business & financial results; communicated with all levels of the organization; reported to Executive Vice President of Supply Chain, provided bi-weekly update to the CEO.

Manager / Strategy

Developed analytical measurement framework for continuous product improvement as part of internal strategy consulting group; provided leadership within group to ensure buy-in by key stakeholders; developed and implemented cross-functional root cause analysis road map to ensure continuation of programs and savings; transformed business processes by driving analytical problem solving and data based decision making; managed diverse cross-functional teams working on multiple projects across disparate geographic areas; performed analysis and experimentation to determine root cause of damage occurring throughout the supply chain as a core component of a company-wide savings initiative.

Honeywell International (formerly AlliedSignal, Inc.)

June 1999 – June 2003

Honeywell International is a \$31 billion diversified technology and manufacturing leader.

Quality Assurance / Process Engineer

Responsible for operations associated with materials handling and rewind operations in an ISO 9000 certified industrial polyester manufacturing facility; managed customer relationships and utilized six sigma tools to lead troubleshooting efforts both internally and at customer sites; monitored and ensured compliance with quality standards; sought out as a resource by hourly personnel to explain market trends, corporate communications, and operational changes.

Online Reports and Other Papers

- *Legal Issues When Managing Public Roads Affected by Sea Level Rise: North Carolina*, SeaGrant White Paper (with Ian Brown) (June 2019).
- *Legal Issues When Managing Public Roads Affected by Sea Level Rise: South Carolina*, SeaGrant White Paper (with Rebecca Neubauer, Kirstin Dow, Eleanor Davis, and Ian Brown) (June 2019).
- *Historical Preservation Laws and Long-Term Climate Adaptation: Challenges and Opportunities*, SeaGrant White Paper (with Rebecca Neubauer) (June 2019).
- *Valuing Distributed Energy Resources: A Comparative Analysis*, UNC CE3 White Paper (with Jonas Monast) (June 2018).
- *Law, Policy, and the Future of Solar Financing*, UNC CE3 White Paper (with Victor Flatt) (October 2016).
- *Mapping Coastal Risks and Social Vulnerability: Current Tools and Legal Risks*, NC SeaGrant White Paper (with Lisa Schiavinato) (Spring 2015).
- *Briefing Paper: Climate Change Risk Disclosure Current Practices and Possible Changes* (with R. Kyle Evans).
- *The Urgent Need for Statewide Trap-Neuter-Return (TNR) Legislation* (ABA Animal Law Committee, Chi., Ill.), Winter/Spring 2012.
- Symposium: Festival of Legal Learning, *A Discussion of the Objectives and Challenges of the Regional Greenhouse Gas Initiative* (2009) (on file with author).

Presentations and Panel Discussions

- Vermont Colloquium on Environmental Scholarship (September 2019).
- UCSB/UCLA Works-in-Progress Workshop (August 2019).
- Presenter, "Legal Aspects of Managed Retreat: Roads to Nowhere," Columbia University Earth institute At What Point Managed Retreat? Resilience Building in the Coastal Zone Conference (June 2019).

- Panelist, Integrating Renewables on the Grid, 3rd Annual North American Environment, Energy, & Natural Resources Conference (April 2019).
- Presenter, “How Regulators Should Address the Potential for Stranded Shale Gas Assets,” Widener University Commonwealth Law School (March 2019).
- Panelist, “Clean Energy Technologies - Growing Pains or Coming of Age?,” Texas A&M University School of Law 10th Annual Energy Law Symposium (February 2019).
- Presenter, “Shape of the Coast: Local Governments Planning for Resiliency as a Response to Sea Level Rise” at the UNC School of Law Festival of Legal Learning (February 2019).
- Vermont Colloquium on Environmental Scholarship (September 2018).
- Presenter, “A Long Slog,” at Nexus 2018: Water, Food, Energy and Climate, April 17, 2018, Chapel Hill, NC.
- Moderator, “Renewable Energy Policy in NC: The Future Beyond HB 589,” UNC Clean Tech Summit (March 2018).
- Presenter, Environmental Law Symposium, “Legislative Updates, HB 589 and the Value of Solar” and “Water Regulation in NC: From the Rivers, to the Seas, to your Drinking Water” at the UNC School of Law Festival of Legal Learning (February 2018).
- Presenter, “OWASA’s AMI Journey: A Joint Operations and Board Perspective” at DistribuTECH 2018, January 23, 2018, San Antonio, TX.
- Property Implications of the Sharing Economy Workshop, Penn State Law (University Park), October 6, 2017.
- Vermont Colloquium on Environmental Scholarship (September 2017).
- Presenter, “North Carolina’s Energy Future – Valuing Solar and Other Distributed Energy Resources” (June 2017).
- Panelist, “Wastewater Regulatory Trends and Emerging Issues,” American Water Works Association (June 2017).
- LSU Law Faculty Speaker Series (April 2017).
- Moderator, “Expanding purchasing options—consumer “green buying” options; muni and co-op PPAs for renewable energy,” Municipal Utilities and Cooperatives: Transitioning to a Lower-Carbon Future Conference (March 2017).
- Panelist, “Trends in Energy and Climate Policy,” UNC Clean Tech Summit (March 2017).
- Presenter, “Not One Without The Other” Webinar (February 2017).
- Presenter, “Environmental Law Symposium: North Carolina Updates” (February 2017).
- Presenter, “Think In on the Pricing of Distributed Energy Resources” (November 2016).
- Vermont Colloquium on Environmental Scholarship (September 2016).
- Panelist, “Insurance, Hedges, Markets, and Adapting to Climate Change,” Carolinas Climate Resilience Conference (September 2016).
- University of Washington Junior Environmental Scholars Workshop (June 2016).

- Sabin Colloquium, Columbia Law School (May 2016).
- Presenter, “Third Party Financing” and “The Role of Solar and Law,” at Law, Policy, and the Future of Solar Financing, UNC School of Law, April 22, 2016.
- Panelist, “The Role of the State in Setting the Future Energy Mix,” at the J.B. & Maurice C. Shapiro Environmental Law Symposium, George Washington University Law School, March 10, 2016.
- Presenter, “North Carolina Legal Updates,” at the University of North Carolina Festival of Legal Learning, February 13, 2016.
- Panelist, “North Carolina in Context: Regional and National Trends,” at N.C. Clean Energy Policies: Where Do We Go From Here?, September 25, 2015, Chapel Hill, N.C.
- University of Washington Junior Environmental Scholars Workshop (July 2015).
- Panelist, “Graduate Study Opportunities in Clean Tech and Sustainability,” at the UNC Clean Tech Summit, February 19, 2015.
- “A Tale of Two Solar Installations” at DistribuTECH 2015, February 3, 2015, San Diego, CA.
- “Climate Change and the Energy Industry: Water Used in Hydraulic Fracturing” at Nexus 2014: Water, Food, Climate and Energy Conference, March 6, 2014, Chapel Hill, NC.

Board Positions

- Orange Water and Sewer Authority (OWASA) Board of Directors, Chapel Hill Appointee (2013 – 2018); Secretary of the Board (2014 – 2016), Vice Chair (2017 – 2018)
- Orange County Animal Services Advisory Board, Chapel Hill Appointee (2017 – 2018)
- American Society for Quality (ASQ) - Raleigh Section Certification Chairperson (2006 - 2016)
- Morehead Planetarium and Science Center, Committee Member (2010 – 2018)

Certifications

- American Society for Quality Certified Six Sigma Black Belt