

## **CURRICULUM VITA**

### **CRAIG ANTHONY (TONY) ARNOLD**

Boehl Chair in Property and Land Use  
Louis D. Brandeis School of Law  
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#### **I. EMPLOYMENT AND AFFILIATIONS**

##### **A. CURRENT POSITIONS**

University of Louisville, Louisville, Kentucky, 2005-present  
Louis D. Brandeis School of Law  
Boehl Chair in Property and Land Use and Professor of Law (with tenure)  
Associate Dean for Research and Faculty Development (2013-2014)  
Associate Dean for Academic Affairs and Faculty Development (2010-2011)  
Kentucky Institute for the Environment & Sustainable Development  
Chair, Center for Land Use and Environmental Responsibility  
Department of Urban & Public Affairs, College of Arts & Sciences  
Affiliated Professor of Urban Planning  
Ph.D. Faculty in Urban and Public Affairs

##### **B. AFFILIATIONS**

Indiana University  
Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis  
University of Florida  
Water Institute  
University of North Carolina, Chapel Hill  
Center for Law, Environment, Adaptation, and Resources  
University of Kentucky  
Center for Excellence in Watershed Management (Kentucky Water Resources Research Institute)  
University of Colorado  
Children, Youth and Environments Center for Research and Design  
University of Louisville  
Center for Environmental Policy and Management  
Kentucky Institute for the Environment and Sustainable Development

## C. PRIOR POSITIONS

University of Florida Levin College of Law, Gainesville, Florida, Fall 2009  
Huber Hurst Visiting Eminent Scholar (taught Water Law and Natural Resources)

University of Houston Law Center, Houston, Texas, Spring 2010  
Visiting Professor of Law & Symposium Visiting Professor (taught Water Law and Biodiversity and Ecosystems Seminar)

University of Cincinnati, Cincinnati, Ohio, 2008- 2009  
Visiting Scholar, School of Planning, College of Design, Architecture, Art, and Planning

Chapman University School of Law, Orange, California, 1996-2005  
Donley & Marjorie Bollinger Chair in Real Estate, Land Use, and Environmental Law, 2004-2005  
Professor of Law, 2002-2005  
Director of the Center for Land Resources, 1999-2005  
Tenured, March 26, 2001 (Assistant Professor, 1996-99; Associate Professor, 1999-2002)

University of Wyoming College of Law, Laramie, Wyoming, Fall 2003  
E. George Rudolph Distinguished Visiting Professor (taught Property and Wills & Trusts)

Stanford Law School, Stanford, California, 1995-1996  
Teaching Fellow, Legal Research and Writing

University of Puerto Rico School of Law, Rio Piedras, Puerto Rico, Summer 1995  
Visiting Professor, Land Use Planning

Trinity University Department of Urban Administration, San Antonio, Texas, Spring 1995  
Adjunct Faculty, Urban Law

Matthews & Branscomb, P.C., San Antonio, Texas, 1991-1995  
Associate, Public Law Department  
Primary Areas: Environmental, Natural Resources, Water, Municipal, Administrative & Constitutional Law  
City Attorney, City of Hondo; City Attorney, City of Shavano Park  
*Pro Bono* General Counsel, Federación Ecuémica de Fe y Acción  
Represented diverse clients, including private businesses, government entities, public interest organizations, and water districts

The Honorable James K. Logan, Tenth Circuit U.S. Court of Appeals, 1990-1991  
Judicial Law Clerk

## II. EDUCATION AND HONORS

### A. EDUCATION

STANFORD LAW SCHOOL 1987-1990  
*Doctor of Jurisprudence with Distinction*  
3.56 grade point average (estimated top 15%)  
Executive Editor (Founding co-editor), *Stanford Law & Policy Review*  
Graduate Student Fellow, Stanford Center on Conflict and Negotiation  
Teaching Assistant, Major Issues in Public Policy (Political Science)

UNIVERSITY OF KANSAS 1983-1987  
*Bachelor of Arts with Highest Distinction*, Political Science (Honors) and History (Honors)  
4.00 grade point average; *Phi Beta Kappa*  
Harry S. Truman Scholar (national scholarship)  
TIME College Achievement Award (national honor)

## B. HONORS

### GENERAL

Article selected by peer review as one of 10 best land use and environmental law journal articles published in 2002

Article selected by peer review as one of 20 best land use and environmental law journal articles published in 2004

*Who's Who in the World* (multiple years)

*Who's Who in America* (multiple years)

*Who's Who in American Law* (multiple years)

*Who's Who in American Education* (multiple years)

*Madison's Who's Who* (multiple years)

Honored by City of Anaheim City Council and Planning Commission for Distinguished Service on the City of Anaheim Planning Commission, 1999-2001 including as Chairman, 2001-02

### UNIVERSITY OF LOUISVILLE

Appointed to the Boehl Chair in Property and Land Use, 2005 (endowed chair created by Kentucky Research Challenge Trust Fund, also known as "Bucks for Brains")

Trustees Award, 2013 (highest University honor for a faculty member; honors extraordinary impact on students)

University of Louisville Nominee for Acorn Award, 2013 and 2015 (statewide honor for outstanding teaching)

Distinguished Faculty Award for Outstanding Research, Scholarship, and Creative Activity in the Social Sciences, 2011

Jonathan N. Helfat Award for Legal Scholarship, 2010

Huber Hurst Visiting Eminent Scholar at the University of Florida, 2009

Distinguished Visiting Lecturer in Environmental and Land Use Law, Florida State University, 2009

Keynote Speech, New Zealand Center for Environmental Law Conference on Property Rights and Sustainability: The Evolution of Property Rights to Meet Ecological Challenges, University of Auckland, NZ, 2009

Distinguished Lecture, Children, Youth and Environments Center for Research and Design, University of Colorado College of Architecture and Planning, 2008

Distinguished Lecture, Human Rights and National Security Law Program, College of William and Mary Marshall-Wythe School of Law, 2008

Jestrab Lecture on Water, University of Montana, 2011

Stegner Center Green Bag Lecture, University of Utah Wallace Stegner Center, 2012

Scholar of the Month, University of North Carolina, Chapel Hill, Center for Law, Adaptation, Environment, and Resources, January 2014

### CHAPMAN UNIVERSITY SCHOOL OF LAW

Appointed to the Donley & Marjorie Bollinger Chair in Real Estate, Land Use, and Environmental Law, 2004

Chapman University Achievement Award for Excellence in Scholarship, 2003 (University-wide honor)

Outstanding Professor of the Year, 1999-2000 (voted by law student body)

Honored in *100 Years of Legal Scholarship: AALS, 1900-2000* (nationwide group of law professors honored with tributes by former students to the educators who most affected their lives)

Finalist, Outstanding Professor of the Year, 1998-1999

Hagman Scholar, UCLA Land Use Law & Planning Conference, 2000, 2002, 2004, 2005

### STANFORD LAW SCHOOL

Graduated *with Distinction* (estimated rank, top fifteen percent)

Executive Editor (Founding co-editor), *Stanford Law & Policy Review*

Graduate Student Fellow, Stanford Center on Conflict and Negotiation

Honorable Mention, Murie Award in Environmental Law

Outstanding Young Men of America (multiple years)

Rosemary Ginn National Mortar Board Fellowship; McKelvie Fellowship

UNIVERSITY OF KANSAS

Graduated *with Highest Distinction* (4.00 cumulative grade point average)

Honors in Political Science (thesis)

Honors in History (thesis)

*Phi Beta Kappa*

Harry S. Truman Scholar

National scholarship for academic performance and commitment to government service

TIME College Achievement Award

Among 100 college students nationally recognized for college achievement

Strickland Award (outstanding graduating senior: leadership, service, and scholarship)

Rusty Leffel Concerned Student Award (student leadership)

University Scholar (academic)

Chancellors Club Scholar (academic)

Summerfield Scholar (academic)

Hilltopper Award (leadership and service)

Undergraduate Research Award

Awards in history and political science

Completed College Honors Program

### III. SCHOLARSHIP

#### A. PUBLISHED OR IN PRESS

##### 1. BOOKS and MONOGRAPHS

- RABIN, KWALL, KWALL, AND ARNOLD, FUNDAMENTALS OF MODERN PROPERTY LAW, SIXTH EDITION (Foundation Press, 2011) (co-authors: Edward H. Rabin, Roberta Rosenthal Kwall, and Jeffrey L. Kwall)
- TEACHER'S MANUAL TO RABIN, KWALL, KWALL, AND ARNOLD, FUNDAMENTALS OF MODERN PROPERTY LAW, SIXTH EDITION (Foundation Press, 2011) (co-authors: Edward H. Rabin, Roberta Rosenthal Kwall, and Jeffrey L. Kwall)
- KENTUCKY WET GROWTH TOOLS FOR SUSTAINABLE DEVELOPMENT : A HANDBOOK ON LAND USE AND WATER FOR KENTUCKY COMMUNITIES (University of Louisville Center for Land Use & Environmental Responsibility, 2009) (co-authors: Carol Norton and Dustin Wallen): Received the 2010 Jonathan N. Helfat Award for Legal Scholarship
- FAIR AND HEALTHY LAND USE: ENVIRONMENTAL JUSTICE AND PLANNING, Planning Advisory Service Report, American Planning Association (in coordination with the National Academy of Public Administration, the Government Law Center at Albany Law School, and the Ford Foundation) (2007) (invited), excerpted in ESSENTIAL READINGS IN URBAN PLANNING (Planetizen 2014).
- WET GROWTH: SHOULD WATER LAW CONTROL LAND USE? (Editor) (Environmental Law Institute 2005)
- PRIVATIZATION OF PUBLIC WATER SERVICES: THE STATES' ROLE IN ENSURING PUBLIC ACCOUNTABILITY (State Environmental Resource Center, Madison, WI, 2004) (invited)
- ARNOLD AND JEWELL, BEYOND LITIGATION: CASE STUDIES IN WATER RIGHTS DISPUTES (co-ed. with Leigh A. Jewell; Environmental Law Institute 2002)

##### 2. CHAPTERS

- Framing Watersheds*, in ENVIRONMENTAL LAW AND CONTRASTING IDEAS OF NATURE: A CONSTRUCTIVIST APPROACH 271-302 (Keith Hirokawa, ed.) (Cambridge University Press, 2014) (invited)
- Arnold and Gunderson, *Adaptive Law*, in SOCIAL-ECOLOGICAL RESILIENCE AND LAW 317-364 (Craig R. Allen and Ahjond S. Garmestani, eds.) (Columbia University Press, 2014) (co-author: Lance H. Gunderson) (invited).
- Garmestani, Allen, Arnold, and Gunderson, *Introduction to Resilience and Law*, in SOCIAL-ECOLOGICAL RESILIENCE AND LAW 1-14 (Craig R. Allen and Ahjond S. Garmestani, eds.) (Columbia University Press, 2014) (co-authors: Ahjond S. Garmestani, Craig R. Allen, & Lance H. Gunderson) (invited)
- Sustainable Webs of Interests: Property in an Interconnected Environment*, in PROPERTY RIGHTS AND SUSTAINABILITY: THE EVOLUTION OF PROPERTY RIGHTS TO MEET ECOLOGICAL CHALLENGES 167-193 (David Grinlinton & Prudence Taylor, eds.) (Martinus Nijhoff, 2011) (invited)
- Introduction: The Fragmentation and Integration of Land Use and Water*, in WET GROWTH: SHOULD WATER LAW CONTROL LAND USE? 1-55 (Environmental Law Institute, 2005)
- Polycentric Wet Growth: Policy Diversity and Local Land Use Regulation in Integrating Land and Water*, in WET GROWTH: SHOULD WATER LAW CONTROL LAND USE? 393-433 (Environmental Law Institute, 2005)
- Litigation as Dispute Non-Resolution: Lessons from Case Studies in Water Rights Disputes*, in BEYOND LITIGATION: CASE STUDIES IN WATER RIGHTS DISPUTES 1-14 (Environmental Law Institute, 2002)
- The Real Public Trust Doctrine: The Aftermath of the Mono Lake Case* (co-authored with Leigh A. Jewell) in BEYOND LITIGATION: CASE STUDIES IN WATER RIGHTS DISPUTES 155-190 (Environmental Law Institute, 2002)
- The Remedy of Monetary Damages in Land Use Litigation*, in POWELL ON REAL PROPERTY, ch. 79E (2002) (invited) (most widely cited property treatise in the United States)
- Joint Tenancy*, in POWELL ON REAL PROPERTY, ch. 51 (2001) (invited)

##### 3. SCHOLARLY ARTICLES

- Green, Garmestani, Allen, Gunderson, Ruhl, Arnold, Graham, Cosens, Angeler, Chaffin, & Holling, *Barriers and Bridges to the Integration of Social-Ecological Resilience and Law*, 13(6) FRONTIERS IN ECOLOGY AND THE

ENVIRONMENT 332-337 (2015) (co-authors: Oliva Odom Green, Ahjond Garmestani, Lance Gunderson, J.B. Ruhl, Nicholas Graham, Barbara Cosens, David Angeler, Brian Chaffin, and C.S. Holling)

*Environmental Law, Episode IV: A New Hope?: Can Environmental Law Adapt for Resilient Communities and Ecosystems?*, 21(1) JOURNAL OF ENVIRONMENTAL AND SUSTAINABILITY LAW 1-45(2015) (invited)

Salzman, Arnold, Garcia, Hirokawa, Jowers, LeJava, Peloso, and Olander, *The Most Important Current Research Questions in Urban Ecosystem Services*, 25(1) DUKE ENVIRONMENTAL LAW AND POLICY FORUM 1-47 (2014) (co-authors: James Salzman, Robert Garcia, Keith Hirokawa, Kay Jowers, Jeffrey LaJava, Margaret Peloso, and Lydia Olander)

Arnold, Green, DeCaro, Chase, and Ewa, *The Social-Ecological Resilience of an Eastern Urban-Suburban Watershed: The Anacostia River Basin*, 51(1) IDAHO LAW REVIEW 29-90 (2014) (co-authors: Olivia Odom Green, Dr. Daniel DeCaro, Alexandra Chase, and Jennifer-Grace Ewa) (peer reviewed)

*Adaptive Water Law*, 62(4) KANSAS LAW REVIEW 1043-1090 (2014) (invited)

*Adaptive Law and Resilient Cities*, 50(2) IDAHO LAW REVIEW 245-264 (2014) (invited), reprinted in the ZONING AND PLANNING LAW HANDBOOK (Clark Boardman Callaghan 2015) as one of the leading zoning and planning law articles of 2014

Arnold and Gunderson, *Adaptive Law and Resilience*. 43(5) ENVIRONMENTAL LAW REPORTER 10426-10443 (2013) (co-author: Lance H. Gunderson) (invited), selected as one of *12 Essential Readings in Resilience and Environmental Law* by IUCN (World Conservation Union)

*Fourth-Generation Environmental Law: Integrationist and Multimodal*, 35(3) WILLIAM AND MARY ENVIRONMENTAL LAW AND POLICY REVIEW 771-884 (2011)

*Legal Castles in the Sand: The Evolution of Property Law, Culture, and Ecology in Coastal Lands*, 61(2) SYRACUSE LAW REVIEW 213-260 (2011) (invited)

*Sustainable Webs of Interests: Property in an Interconnected Environment*, 2 JOURNAL OF ANIMAL AND ENVIRONMENTAL LAW 27-65 (2011)

*Adaptive Watershed Planning and Climate Change*, 5(2) ENVIRONMENTAL AND ENERGY LAW AND POLICY JOURNAL 417-488 (2010) (invited)

*Law's Adaptive Capacity and Climate Change's Impacts on Water*, 5(2) ENVIRONMENTAL AND ENERGY LAW AND POLICY JOURNAL v-xiii (2010) (invited)

*Exemplary Research in Environmentally Responsible Land Use*, 22 SUSTAIN: A JOURNAL OF ENVIRONMENTAL AND SUSTAINABILITY ISSUES 2-7 (2010) (invited)

*The Structure of the Land Use Regulatory System in the United States*, 22 SUSTAIN: A JOURNAL OF ENVIRONMENTAL AND SUSTAINABILITY ISSUES 36-42 (2010) (edited and revised excerpt of prior work published in anthology of exemplary scholarship on environmentally responsible land use)

*Water Privatization Trends in the United States: Human Rights, National Security, and Public Stewardship*, 33(3) WILLIAM AND MARY ENVIRONMENTAL LAW AND POLICY REVIEW 785-849 (2009) (article version of lecture delivered at the College of William & Mary Marshall-Wythe School of Law)

*The Structure of the Land Use Regulatory System in the United States*, 22(2) JOURNAL OF LAND USE AND ENVIRONMENTAL LAW 441-523 (2007) (invited), selected for an excerpt to be reprinted as one of 12 exemplary works in environmentally responsible land use for the Spring/Summer 2010 issue of SUSTAIN: A JOURNAL OF ENVIRONMENTAL AND SUSTAINABILITY ISSUES; selected for translation into Spanish and republication in REVISTA DE DERECHO ADMINISTRATIVO by the Circulo de Derecho Administrativo, Pontificia Universidad Católica de Perú (2014)

*Planning for Environmental Justice*, 59(3) PLANNING AND ENVIRONMENTAL LAW 3-12 (March 2007) (invited)

*Clean-Water Land Use: Connecting Scale and Function*, 23(2) PACE ENVIRONMENTAL LAW REVIEW 291-350 (2006) (invited)

*For the Sake of Water: Land Conservation and Watershed Protection*, 14 SUSTAIN: A JOURNAL OF ENVIRONMENTAL AND SUSTAINABILITY ISSUES 16-31 (2006) (invited)

*Is Wet Growth Smarter Than Smart Growth?: The Fragmentation and Integration of Land Use and Water*, 35 ENVIRONMENTAL LAW REPORTER 10152-10178 (2005)

*Privatization of Public Water Services: The States' Role in Ensuring Public Accountability*, 32(3) PEPPERDINE LAW REVIEW 561-604 (2005) (invited)

*Working Out an Environmental Ethic: Anniversary Lessons from Mono Lake*, 4 WYOMING LAW REVIEW 1-55 (2004) (E. George Rudolph Distinguished Lecture) (invited), selected as a finalist for 36 LAND USE AND ENVIRONMENTAL LAW REVIEW as one of the 20 best land use and environmental law articles published in 2004, as selected by peer review

*The Reconstitution of Property: Property as a Web of Interests*, 26 HARVARD ENVIRONMENTAL LAW REVIEW 281-364 (2002), reprinted at 34 LAND USE AND ENVIRONMENT LAW REVIEW 65 (2003), as one of the 10 best land use and environmental law articles published in 2002, as selected by peer review

*Litigation's Bounded Effectiveness and the Real Public Trust Doctrine: The Aftermath of the Mono Lake Case*, 8 HASTINGS WEST-NORTHWEST JOURNAL OF ENVIRONMENTAL LAW & POLICY 1-24 (2002) (co-authored with Leigh A. Jewell), reprinted at 12 HASTINGS WEST-NORTHWEST JOURNAL OF ENVIRONMENTAL LAW & POLICY 1177 (2008)

*Land Use Justice*, 3.2 PROJECTIONS: THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY JOURNAL OF PLANNING 32-62 (2002)

*Land Use Regulation and Environmental Justice*, 30 ENVIRONMENTAL LAW REPORTER 10395-10433 (2000)

*How Do Law Students Really Learn? Problem-Solving, Modern Pragmatism, and Property Law*, 22 SEATTLE UNIVERSITY LAW REVIEW 891-920 (1999) (invited)

*Planning Milagros: Environmental Justice and Land Use Regulation*, 76 DENVER UNIVERSITY LAW REVIEW 1-153 (1998): two substantial excerpts republished in CLIFFORD RECHTSHAFFEN & EILEEN GAUNA, ENVIRONMENTAL JUSTICE: LAW, POLICY & REGULATION (Carolina Academic Press 2002)

*Religious Freedom as a Civil Rights Struggle*, 2 NEXUS (2) 149-167 (1997) (invited)

*Conserving Habitats, Building Habitats: The Emerging Impact of the Endangered Species Act on Land-Use Development*, 10(1) STANFORD ENVIRONMENTAL LAW JOURNAL 1-43 (1991)  
Honorable Mention, Murie Award in Environmental Law

*Ignoring the Rural Underclass: The Biases of Federal Housing Policy*, 2 STANFORD LAW & POLICY REVIEW 191-206 (1990)

*Beyond Self-Interest: Policy Entrepreneurs and Aid to the Homeless*, 18 POLICY STUDIES JOURNAL 47-66 (1989)  
Best Undergraduate Paper, Southwest Political Science Association (presented at 1987 conference)

#### 4. ESSAYS, PROFESSIONAL ARTICLES, and BLOGS

- The Emergence and Evolution of Watershed Institutions in the American West: Their Roles in Sustainable Communities*, conference paper distributed for and presented at the conference Realizing Sustainable Communities in a Post-Recession West, hosted by the University of Idaho in Boise, ID, October 11-13, 2012
- Contributing Editor, *Land Use Professor Blog*
- Guest Contributor, *Biophilic Cities Blog*
- Editor, *Mapping the Landscape: Resources on Land Use and the Environment* (blog associated with the University of Louisville Brandeis School of Law and the Center for Land Use and Environmental Responsibility)
- A Voice Is A Terrible Thing to Waste: People Working for Environmental Justice in Their Backyards Speak for Themselves*, PLANNING 39-42 (Aug./Sept. 2010) (co-author: Carol Norton)
- For the Public Good?*, Louisville Bar Briefs (Louisville Bar Association), October 2006, at 1 & 7
- Takings and Land Use Regulation from A Comparative Perspective* (Book Review of TAKING LAND: COMPULSORY PURCHASE AND REGULATION IN ASIAN-PACIFIC COUNTRIES, Tsuyoshi Kotaka & David L. Callies, eds. 2002), 54.7 LAND USE LAW & ZONING DIGEST 8-9 (2002)
- Why I Teach*, THE LAW TEACHER (Fall 2001)
- Afterword: Unanswered Questions*, 5 NEXUS 91 (2000) (afterword to symposium on *Cole v. Oroville Union H.S.*)
- The Practice of American Constitutional Law in an Imperfect World: A Reply to Professor Vogel's Relational Hermeneutic, unpublished manuscript presented at a conference entitled "Relational Hermeneutics in a Fractured World: The Reality-Quest at the Turn of the Millenium, Chapman University (2000)
- Introduction and Tribute to the Honorable Deanell Reece Tacha, Inaugural Distinguished Jurist in Residence*, 2 CHAPMAN L. REV. 1-5 (1999)
- Local Environmental Infrastructure Along the Border: The Role of BECC and NADBank*, COMMERCIAL LAW UPDATE (1995)
- Endangered Species Act Restricts Development & Business Activities*, COMMERCIAL LAW UPDATE (1993)
- Recent Developments in Mexican Environmental Law*, MEXICO TRADE LETTER (1992)

#### B. WORKS IN PROGRESS

- ADAPTIVE INSTITUTIONS: THE EVOLUTION OF WATERSHED GOVERNANCE IN THE UNITED STATES FOR SOCIAL-ECOLOGICAL RESILIENCE (academic press book in early stages; in-depth case study research of 52 watersheds in 11 states: WA, CA, MT, NM, KS, MI, OH, PA, KY, TN, SC)
- HIROKAWA, ARNOLD, COSENS, AND NEUMAN, WATER LAW AND GOVERNANCE: A WATERSHED APPROACH (Carolina Academic Press, forthcoming 2016)
- HAAR, WOLF, AND ARNOLD, LAND USE PLANNING AND THE ENVIRONMENT: A CASEBOOK, SECOND EDITION (Environmental Law Institute, forthcoming 2016)
- RABIN, KWALL, KWALL, AND ARNOLD, FUNDAMENTALS OF MODERN PROPERTY LAW, SEVENTH EDITION (Foundation Press)
- TEACHER'S MANUAL TO RABIN, KWALL, KWALL, AND ARNOLD, FUNDAMENTALS OF MODERN PROPERTY LAW, SEVENTH EDITION (Foundation Press)
- DANIELS AND ARNOLD, LAND USE LAW: CONCEPTS AND INSIGHTS (Foundation Press) (book proposal)
- Arnold, Cosens, Gunderson, Chaffin, Green, DeCaro, Fremier, Garmestani, Ruhl, Craig, Gosnell, Benson, Stone, Allen, and Schlager, *Cross-Interdisciplinary Insights into Adaptive Governance and Resilience* (proposed for special issue of Proceedings of the National Academy of Sciences)
- DeCaro, Arnold, Allen, Cosens, Garmestani, and Gosnell, *Psychological Principles of Adaptive and Resilient Governance* (proposed for special issue of Proceedings of the National Academy of Sciences)
- Allen, Birge, Arnold, DeCaro, and Gunderson, *Rapid Assessment of Resilience: Uncertainty, Tradeoffs and Relative Resilience* (proposed for special issue of Proceedings of the National Academy of Sciences)
- Craig, Garmestani, Allen, Arnold, Benson, Cosens, Chaffin, DeCaro, Fremier, Gunderson, Ruhl, and Schlager, *Balancing Stability and Flexibility in Adaptive Governance: The New Challenges* (proposed for special issue of Proceedings of the National Academy of Sciences)



Cosens, Craig, Hirsch, Allen, Arnold, Benson, Chaffin, DeCaro, Fremier, Garmestani, Green, Gosnell, Gunderson, Ogren, Ruhl, Schlager, and Stone, *The Role of Law in the Emergence of Adaptive Governance* (proposed for special issue of Proceedings of the National Academy of Sciences)

Cosens, Gunderson, Chaffin, Allen, Arnold, Benson, Craig, DeCaro, Fremier, Garmestani, Green, Gosnell, Hirsch, Ogren, Ruhl, Schlager, and Stone, *Introduction: Adaptive Water Governance, Ecology and the Law* (proposed for special issue of Proceedings of the National Academy of Sciences)

Gosnell, Gunderson, Garmestani, Allen, Arnold, Benson, Chaffin, and Cosens, *The Role of Law in Threshold Dynamics Associated with Deliberate Transformation* (proposed for special issue of Proceedings of the National Academy of Sciences)

Chaffin, DeCaro, Ruhl, Gunderson, Allen, Arnold, Benson, Craig, Cosens, Fremier, Garmestani, Green, Gosnell, Hirsch, Ogren, Schlager, and Stone, *Legal and Institutional Foundations of Adaptive Water Governance: A Framework for Emergence* (proposed for special issue of Proceedings of the National Academy of Sciences)

Arnold, Green, DeCaro, Chase, and Ewa, *Institutional Change and Social-Ecological Resilience: The Anacostia River Watershed* in PRACTICAL PANARCHY: LINKING LAW, RESILIENCE AND ADAPTIVE WATER GOVERNANCE OF REGIONAL SCALE SOCIAL ECOLOGICAL SYSTEMS (Springer Press, forthcoming)

Arnold, Cosens, Gunderson, Chaffin, Green, DeCaro, Fremier, Garmestani, Ruhl, Craig, Gosnell, Benson, Stone, Allen, and Schlager, *Cross-Interdisciplinary Insights into Adaptive Governance and Resilience*, in PRACTICAL PANARCHY: LINKING LAW, RESILIENCE AND ADAPTIVE WATER GOVERNANCE OF REGIONAL SCALE SOCIAL ECOLOGICAL SYSTEMS (Springer Press, forthcoming)

DeCaro, Arnold, Allen, Cosens, Garmestani, and Gosnell, *Psychological Principles of Adaptive and Resilient Governance*, in PRACTICAL PANARCHY: LINKING LAW, RESILIENCE AND ADAPTIVE WATER GOVERNANCE OF REGIONAL SCALE SOCIAL ECOLOGICAL SYSTEMS (Springer Press, forthcoming)

Allen, Birge, Arnold, DeCaro, and Gunderson, *Rapid Assessment of Resilience: Uncertainty, Tradeoffs and Relative Resilience*, in PRACTICAL PANARCHY: LINKING LAW, RESILIENCE AND ADAPTIVE WATER GOVERNANCE OF REGIONAL SCALE SOCIAL ECOLOGICAL SYSTEMS (Springer Press, forthcoming)

Cosens, Gunderson, Chaffin, Benson, Arnold, and Birge, *Obstacles and Opportunities for Adaptive Governance for Resilience in Regional Social-Ecological Systems* in PRACTICAL PANARCHY: LINKING LAW, RESILIENCE AND ADAPTIVE WATER GOVERNANCE OF REGIONAL SCALE SOCIAL ECOLOGICAL SYSTEMS (Springer Press, forthcoming)

Chaffin, Garmestani, Gunderson, Allen, Angeler, Arnold, Cosens, Craig, and Ruhl, *Transformative Environmental Governance*, ANNUAL REVIEW OF ENVIRONMENT AND RESOURCES 2016

Arnold and DeCaro, *Adaptive Institutional Evolution: Law, Public Participation, and the Evolution of Watershed Institutions*, early draft manuscript (co-author: Daniel DeCaro)

Arnold and DeCaro, *Falling Off Arnstein's Ladder: Participatory Loops, Participatory Fit, and Institutional Legitimacy*, early draft manuscript (co-author: Daniel DeCaro)

Arnold, *Adaptive Land Use Regulation and Resilient Communities*

Arnold, *Resilience Justice*

Arnold, *Adaptive Planning and Resilience*

Arnold, *Hot Towns, Hot Policies, and Hot Laws: Urban Heat Islands and Legal Change*

Arnold, *Institutional Evolution, the Clean Water Act, and Watershed Governance*

Arnold, *Adaptive Water Supply Planning*

Project on an environmental goods/ecosystem services perspective on environmental justice (rural focus, and both urban and rural focus) with Dr. Francisco Aguilar of the University of Missouri School of Natural Resources

Project on an urban ecosystem services and land use law with Jonathan Rosenbloom of Drake Law School

Projects on resilience, institutional evolution, and urban watersheds with Emmanuel Boamah, Ph.D. candidate

### C. EDITORIAL/PEER REVIEW

Issue editor, SUSTAIN: A JOURNAL OF ENVIRONMENTAL AND SUSTAINABILITY ISSUES Volume 22, an anthology of edited excerpts of twelve exemplary scholarly works on environmentally responsible land use

First Level Review Board, LAND USE AND ENVIRONMENT LAW REVIEW (first level of selecting the best ten articles published in environmental and land use law in the preceding year), 2001, 2002, 2004, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2015

Second Level Review Board, LAND USE AND ENVIRONMENT LAW REVIEW (second level of selecting the best ten articles published in environmental and land use law in the preceding year), 2014

Peer Reviewer for *Policy Studies Journal*

Peer Reviewer for *Environmental Practice*

Peer Reviewer for *Remote Sensing*

Peer Reviewer for *Policy and Society*

Peer Reviewer for *Washington Journal of Environmental Law & Policy*

Peer Reviewer for *Journal of Education for Sustainable Development* (Sage)

Peer Reviewer for *Blue Waters, Green Cities: Proceedings of the Wingspread Workshop on Cities of the Future*

Peer Reviewer for *Sea Grant Law and Policy Journal*

Peer Reviewer for *Law and Society Review*

Peer Reviewer for Mississippi-Alabama Sea Grant Consortium Research Program

Peer Reviewer for National Institutes for Water Resources-U.S. Geological Survey National Competitive Grants Program

Peer Reviewer for University Press of Kansas

Peer Reviewer for Environmental Law Institute

Peer Reviewer for Cambridge University Press

## **D. GRANTS and FUNDED PROJECTS**

### **The Role of Law and Public Participation in the Evolution of Watershed Institutions in Kentucky and Tennessee for Social-Ecological Resilience**

- 2014 Multi-Disciplinary Research Grant (MRG) from the University of Louisville Office of the Executive Vice President of Research in the amount of \$9,902
- Principal Investigator (Dr. Daniel DeCaro is Co-Principal Investigator)
- Use of case study research, in-depth interviews, and surveys to assess the relationship between law and public participation in how 8 watershed governance institutions in Kentucky and Tennessee have adapted to changing conditions and disturbances
- Designed to develop data and models that will lead to further funding proposals (e.g., National Science Foundation Program in Law and Social Sciences)
- Competitive grant

### **Diverse Participation in Watershed Planning and Governance: Building Social –Ecological Resilience in Kentucky Watersheds**

- 2014-2015 104b Student Research Enhancement Project Grant in the amount of \$5,000, funded by the U.S. Geological Survey and the National Institutes for Water Resources through the Kentucky Water Resources Research Institute at the University of Kentucky
- Co-Principal Investigators (other Co-Principal Investigators are student research assistants Jennifer-Grace Ewa and Alexandra Chase)
- Student research on participant preferences regarding participatory methods in watershed planning and governance
- Assessment of diversity and scope of public participation in watershed planning and governance in two Kentucky watersheds, one urban and one rural, with particular focus on certain groups with historically low participation rates: low-income and moderate-income residents, racial and ethnic minorities, farmers, ranchers, and other agricultural producers, and others
- Competitive grant

### **Social-Ecological Resilience: Climate Change and Adaptive Water Governance, 2013-2015**

- Multi-university and multi-disciplinary research team
  - Member of Core Team
  - Participant in all planning and workshops
- Develop adaptive governance and administrative law models for water management in the face of climate change through a series of workshop
- Funding (approximately \$100,000 of travel and research expenses) from the National Socio-Environmental Synthesis Center (SESYNC), a national research center funded through an NSF grant to the University of Maryland to solve society's most complex, challenging environmental problems
- Researchers in law, social sciences, water resources, and ecology at the University of Idaho, Emory University, the University of Nebraska, the University of Louisville, the University of New Mexico, the University of Utah, Oregon State University, Vanderbilt University, Washington State University, and the US Environmental Protection Agency
- Competitive grant

### **Ecosystem Services, Law, and Urban Planning, 2013-2014**

- Multi-university and multi-disciplinary research team
  - Invited to assist with development of workshop program, in particular recommendations of participants to invite
  - Participant in workshop; leader of one session
  - Presenter on literature review; co-author of article; leader of several aspects of project
- An investigation of how governance, institutional structures, and legal frameworks affect the adoption of an ecosystem services approach to urban planning
- Workshop in December 2013 attended by experts from a wide range of disciplines and settings including academia, government, and nonprofit organizations

- Funded by the National Academies Keck Futures Initiative with a \$10,000 grant to the Duke University Nicholas Institute for Environmental Policy Solutions

Kentucky Growth Readiness Workshops and Kentucky Wet Growth Handbook, approx. \$25,000 sub-grant from the U.S. Environmental Protection Agency (Clean Water Act Section 319 grant) to the Kentucky Division of Water and the University of Louisville Department of Geography for the Commonwealth Water Education Project

- Facilitated workshops on the impact of land use and development on water quality and mechanisms for adapting land development regulations and planning to protect water quality
- Wrote and disseminated handbook on land use tools to protect water quality, entitled **KENTUCKY WET GROWTH TOOLS FOR SUSTAINABLE DEVELOPMENT** (co-authors: Craig Anthony (Tony) Arnold, Carol Norton, and Dustin Wallen)
- Integrated material on relationships between land use and watersheds, land use impacts on water quality, low-impact development, watershed planning, land conservation, water supply planning, property rights and takings, and codes and ordinances analysis
- Developed relationships with local officials, community leaders, land development and environmental professionals, civic groups, the Commonwealth Division of Water, the Kentucky Waterways Alliance, and the Kentucky League of Cities
- Sub-grant recipient: Center for Land Use and Environmental Responsibility, as part of the Center's Healthy Watersheds Land Use Initiative, in coordination with the Kentucky Division of Water and the University of Louisville Department of Geography (the primary grant recipient), and in partnership with the University of Louisville Center for Environmental Policy and Management, the City Solutions Center, and the Urban Design Studio
- Competitive grant

HUD Sustainable Communities Capacity Building Grant: \$400,000 grant to the Center for Environmental Policy and Management from the U.S. Department of Housing and Urban Development and the U.S. Environmental Protection Agency to lead the Water Infrastructure Capacity Building Team

- The Center for Land Use and Environmental Responsibility (i.e., Professor Tony Arnold) is a member of the Water Infrastructure Capacity Building Team
- The Team is one of eight capacity building providers for Sustainable Community Grantees across the nation
- The Team provides assistance on incorporating water infrastructure planning and investments into local and regional planning efforts. The Team's technical assistance offerings will help communities create and implement complete land use development/re-development and transportation plans that take into account water infrastructure, including:
  - water conservation and protection
  - wetland preservation
  - stormwater and wastewater management
  - environmental justice and water
  - sustainable water utility financing
  - coordination with water utilities
  - utility asset management

Community Land Use Assessment for Fair and Healthy Neighborhoods: An Educational-Community Partnership in West Louisville, \$10,000 grant from the Center for Health Equity, Louisville Metro Department of Public Health and Wellness

- Developed community conditions assessment tools
- Taught Central High School students (juniors) about land use, environmental justice, community health conditions and health equity, and geographic information systems
- Worked with Central High School students to engage in analysis of land use and environmental conditions in a West Louisville neighborhood
- Taught Central High School students about land use planning and regulation, including zoning, permits, processes for changing land use policies and regulations, and public participation

- Assisted Central High School students in preparing and making a presentation about community conditions and the potential of planning and regulatory reform
- Grant recipient: Center for Land Use and Environmental Responsibility, as part of the Center's Fair and Healthy Land Use Initiative, the Law School's Partnership with Central High School, and the University's Signature Partnership Initiative with West Louisville
- Competitive grant

**E. PRESENTATIONS, SPEECHES and LECTURES**  
 (\* = distinguished lectures and keynote speeches)

- Wet Growth, Urban Watersheds, and Resilient Cities*, 2016 Stegner Symposium on "Green Infrastructure, Resilient Cities: New Challenges, New Solutions," Wallace Stegner Center, S.J. Quinney College of Law, University of Utah, Salt Lake City, UT, March 31-April 1, 2016
- Panelist, Opening the Door to the Future of Fair Housing, University of Louisville Anne Braden Institute for Social Justice Research, Metropolitan Housing Coalition, and University of Louisville Brandeis School of Law, Louisville, KY, October 26, 2015
- Hot Towns, Hot Policies, and Hot Laws: An Introduction to Urban Heat Islands*, Panel on Urban Heat Island Effect: Causes, Impacts, and Responses, American Bar Association Section of State and Local Government Law 2015 Fall Council Meeting, Louisville, KY, October 9, 2015
- Boamah and Arnold, *Adaptive Governance for Resilient Urban Watersheds: The Case of the Anacostia Watershed*, Poster Presentation by Emmanuel Frimpong Boamah and Craig Anthony (Tony) Arnold, Universities Council on Water Resources and Southern Nevada Water Authority WaterSmart Innovations Conference, Las Vegas, NV, October 7-9, 2015
- Participant, Adaptive Water Governance Workshop, National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD, June 8-11, 2015 (via video-conference)
- Adaptive Water Governance Project: Social-Ecological Resilience, Climate Change, and Adaptive Water Governance*, "Redefining Water Challenges" Workshop, Massachusetts Institute of Technology, Cambridge, MA, May 1-2, 2015
- Colloquy Panelist, "Governing on the Edge: Cities, Climate Change, and the Polycentric-Global Governance Tension," Urban Affairs Association Annual Conference, Miami, FL, April 9, 2015
- Participant, Health and Environment Roundtable, Health and Harmony Summit, Louisville, KY, March 20, 2015 (participated in roundtable discussion with H.R.H. Charles, Prince of Wales, as well as global, national, and local leaders in health and/or the environment)
- Panelist, Authors' Panel, National Conference of Law Reviews, Louisville, KY, March 13, 2015
- Panelist, Property Careers and Curriculum Panel, University of Louisville Brandeis School of Law, Louisville, KY, March 10, 2015
- Adaptive Land Use Regulation and Resilient Communities*, Association of American Law Schools Annual Conference, Environmental Law Section and State and Local Government Law Section Co-Sponsored Panel on "The Law of Resilient Cities: State and Local Adaptation to Climate Change, Washington, DC, January 3, 2015
- \* *Investing in Resilient Communities*, Keynote Address, HUD Sustainable Communities Workshop on "Linking Water Infrastructure to Community and Economic Development in Smaller Places," Wichita, KS, October 28, 2104
- \* *The War on Poverty (50 Years Later) and Resilient Communities*, Boehl Distinguished Lecture in Land Use Policy, University of Louisville, Louisville, KY, October 14, 2014
- Investing in Resilient Cities*, IF Nature, Idea Festival, Louisville, KY, October 3, 2014
- Participant, Adaptive Water Governance Workshop, National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD, August 5-7, 2014
- Participant, Adaptive Water Governance Workshop, National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD, May 28-30, 2014

*Social-Ecological Resilience and Adaptive Watershed Governance*, University of Louisville Department of Biology Seminar Series, Louisville, KY, February 28, 2014

*Potential Research Collaboration in Public Health and Law*, University of Louisville School of Public Health and Information Sciences Research Incubation Workshop, Louisville, KY, February 25, 2014

*Adaptive Water Governance and Social-Ecological Resilience*, University of Louisville Sustainable Scholars Roundtable Workshop on Water Resources, Louisville, KY, February 19, 2014

*Environmental Law, Episode IV: A New Hope?: Can Environmental Law Adapt for Resilient Communities and Ecosystems?*, Keynote Speech, “Environmental Law 4.0: Adaptive and Resilient,” JOURNAL OF ENVIRONMENTAL AND SUSTAINABILITY LAW Symposium, University of Missouri School of Law, Columbia, MO, February 14, 2014

*Adaptive Watershed Planning*, Kentucky Division of Water and Kentucky Basin Coordinators, January 15, 2014

*Review of Urban Ecosystem Services Literature*, Workshop on Ecosystem Services, Urban Planning, and the Law, Nicholas Institute for the Environment, Duke University, December 12, 2013

Participant, Adaptive Water Governance Workshop, National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD, December 9-10, 2013

*Adaptive Water Law*, KANSAS LAW REVIEW Symposium, University of Kansas School of Law, Lawrence, KS, November 1, 2013

*The Goal of Poly-Resilience and the Evolution of Watershed Institutions*, University of Louisville Sustainability Scholars Roundtable, Louisville, KY, November 13, 2013

\* *Can Environmental Law Adapt for Resilient Communities and Ecosystems?*, Keynote Speech, “Environmental Law 4.0: Adaptive and Resilient,” JOURNAL OF ENVIRONMENTAL AND SUSTAINABILITY LAW Symposium, University of Missouri School of Law, Columbia, MO, February 14, 2014 (forthcoming)

*The Evolution of Watershed Institutions in the United States*, Ostrom Workshop in Political Theory and Policy Analysis, University of Indiana, Bloomington, IN, September 16, 2013

*Sustainability Scholars Roundtable: Stimulating Transdisciplinary Sustainability Research*, AASHE 2013: Resiliency & Adaptation (conference of the Association for the Advancement of Sustainability in Higher Education), Nashville, TN, October 8, 2013

*An Ecosystem of Learning: Former Student Feedback and Systems-Thinking about Teaching and Learning*, Faculty Workshop Series, University of Louisville Brandeis School of Law, Louisville, KY, August 20, 2013

Participant, Water Law and the Public Interest Workshop, Water and Justice Program, Vermont Law School, South Royalton, VT, June 7, 2013

*This Is Who We Are*, University Commencement Address (as Trustees Award recipient), University of Louisville, Louisville, KY, May 11, 2013

*Watershed Institutions in the U.S.: Emergence and Evolution*, Environmental Law Virtual Guest Speaker Series, Mercer Law School, Macon, GA, February 3-10, 2013 (video webcast, PPT, and online discussion)

\* *Watershed Institutions in the U.S.: Emergence and Evolution*, Stegner Center Green Bag Lecture, Wallace Stegner Center, University of Utah, Salt Lake City, UT, October 16, 2012

*The Emergence and Evolution of Watershed Institutions in the American West: Their Roles in Sustainable Communities*, Realizing Sustainable Communities in a Post Recession West Conference, University of Idaho, Boise, ID, October 11-13, 2012

*The Emergence of Fourth-Generation Environmental Policy: The Example of Watershed Institutions.*, Graduate Research Presentation, University of Kansas Political Science Department, October 25, 2012

*Three Strategies for Effectively Integrating Water into Sustainable Community Development*, Workshop on Incorporating Water Management into the Community Planning Process (workshop for HUD Sustainable Community Grants recipients nationwide) University of Louisville, Louisville, KY, August 16, 2012

Group Discussion Leader, Laws that Affect the Built Environment, Workshop on Climate Change Adaptation: The Impact of Law on Private Sector Adaptation, University of North Carolina – Chapel Hill, Chapel Hill, NC, March 30, 2012

- Resulted in Center for Progressive Reform Briefing Paper No. 1209

*Watersheds*, Science class, Trinitas Classical School, Grand Rapids, MI, March 16, 2012

*The Evolution of Water Institutions in the U.S.*, Anthropology of Water class, University of Louisville, Louisville, KY, March 8, 2012

*Private Rights and Public Interests in Water*, Anthropology of Water class, University of Louisville, Louisville, KY, March 6, 2012

*Introduction to Negotiation*, Presbyterian Church USA (PCUSA) Workshop on Negotiation and Church Conflict, Louisville, KY, February 20, 2012 (co-presenter: Mary Jo Gleason) (day-long series of workshop presentations and training to national audience)

\* *Adaptive Watershed Planning and Climate Change*, The Frank and Elvira Jestrab Lecture on Water, University of Montana, Missoula, MT, September 27, 2011

*Wet Growth*, University of Montana School of Law, Missoula, MT, September 28, 2011

*Wet Growth*, Environmental & Land Use Law Society Lecture Series, University of Louisville School of Law, October 20, 2011

*Kentucky Wet Growth Tools for Sustainable Development*, Sierra Club, Louisville, KY, May 17, 2011

*Fair and Healthy Land Use: Environmental Justice, Planning, and Sustainable Cities*, Sustainable Cities Seminar, Chicago-Kent College of Law, Chicago, IL, April 19, 2011

*Sustainable Webs of Interests: Reconceptualizing Property in an Interconnected Environment*, Association for Law, Property, and Society (ALPS), Georgetown Law School, Washington, DC, March 5-6, 2010

Symposium Visiting Professor (organizer), Symposium on Climate Change, Water, and Adaptive Law, University of Houston Law Center and the *Environmental & Energy Law & Policy Journal*, Houston, TX, February 26, 2010

*Adaptive Watershed Planning at the Intersection of Climate Change, Water, Land Use, and Law*, Symposium on Climate Change, Water, and Adaptive Law, University of Houston Law Center and the *Environmental & Energy Law & Policy Journal*, Houston, TX, February 26, 2010

*Wet Growth*, Environmental Summit on a Sustainable Florida, Florida Coastal Law School and Jacksonville University, Jacksonville, FL, November 12, 2009

\* *Fourth-Generation Environmental Law: Integrationist and Multimodal*, Distinguished Lecture in Environmental and Land Use Law, Florida State University College of Law, Tallahassee, FL, October 28, 2009

*Fourth-Generation Environmental Law: Integrationist and Multimodal*, Faculty Workshop, Florida State University College of Law, Tallahassee, FL, October 28, 2009

*Wet Growth*, Guest Lecture, Land Use Law course, Florida State University College of Law, Tallahassee, FL, October 29, 2009

*Clean Water Restoration Act Update*, Water Policy & Economics Conference: 21<sup>st</sup> Century Water Issues in the Southern States, Southern Region Water Program (a partnership of USDA CREES and Land Grant Colleges and Universities), University of Florida Institute of Food & Agricultural Sciences, Gainesville, FL, October 13, 2009

\* *Sustainable Webs of Interests: Reconceptualizing Property in an Interconnected Environment*, Keynote Speech, New Zealand Center for Environmental Law Conference on Property Rights and Sustainability: The Evolution of Property Rights to Meet Ecological Challenges, University of Auckland, Auckland, NZ, April 16, 2009 (via video-conference)

\* *Sustainable Webs of Interests: Reconceptualizing Property in an Interconnected Environment*, University of Kansas (Honors and University Scholars Programs, Schools of Law and Architecture & Urban Planning, Departments of Sociology and Environmental Studies, Center for Sustainability), Lawrence, KS, April 18, 2009

*The Lake, the Trust, and the Map: Can Environmental Law Achieve Environmental Conservation?*, Environmental Law Virtual Guest Speaker Series, Mercer Law School, Macon, GA, March 2-7, 2009 (audio webcast, PPT, and online discussion)

*The Complex and Interdependent Relationship Between Land Use and Climate Change: Uni-Dimensional Policy Failure and Multi-Dimensional Policy Functionality*, Climate Policy for the Obama Administration, Symposium at the Washington and Lee University School of Law, Lexington, VA, February 20, 2009

\* *Law and Planning Are Not Enough: Interdisciplinary Research on Environmental Conservation and Discretionary Land Use Decision Making*, PhD Program Colloquium, University of Cincinnati College of Design, Architecture, Art, and Planning, Cincinnati, OH, October 23, 2008

Discussion Leader, Local Laws Workshop Group, Workshop on Adapting Legal Regimes in the Face of Climate Change, University of North Carolina-Chapel Hill and the Center for Environment, Energy, and Natural Resources at the University of Houston Law Center, University of North Carolina, Chapel Hill, NC, October 18, 2008

- \* *The Vitality Principle in Urban Environments for Children and Youth: Environmental Justice Lessons from Parks, Plans, Rivers, and Communities*, Distinguished Lecture, Children, Youth and Environments Center for Research and Design, University of Colorado College of Architecture and Planning, Boulder, CO, October 9, 2008
- \* *Water Privatization Trends in the U.S.: Issues of Human Rights and National Security*, Distinguished Lecture, Human Rights and National Security Law Program, College of William and Mary Marshall-Wythe School of Law, Williamsburg, VA, September 16, 2008
- Private Property Rights & Values: Opportunities for Responsible Development*, Kentucky Growth Readiness Workshop, Harrodsburg, KY, April 7, 2008
- The Mask of Voter: Deindividuation, Discrimination, Deliberation, and Judicial Review of Direct Democracy*, Faculty Workshop, University of Florida Levin College of Law, Gainesville, FL, April 4, 2008
- \* *Models of Clean-Water Land Use*, Environmental and Land Use Capstone Colloquium on Land, Water, and Growth, University of Florida Levin College of Law, Gainesville, FL, April 3, 2008
- Ecosystem Services, the Structure of the Land Use Regulatory System, and Discretionary Decision Making*, Interdisciplinary Roundtable, University of Louisville, Louisville, KY, February 18, 2008
- Fair and Healthy Land Use*, Diversity Forum on “Here’s to Your Health: Crossing the Desert to Health Equity,” University of Louisville Brandeis School of Law, Louisville, KY, February 5, 2008
- Fair & Healthy Land Use: Environmental Justice & Planning*, Louisville Bar Association Environmental Law Section CLE Seminar, Louisville, KY, November 13, 2007
- Vital Places: Healthy Child-Nature Connections in Plans, Codes, Projects, and Decisions*, Panel Presentation for Session on Children, Nature, and Land Use, Symposium on Law, Ethics, and the Life Sciences, University of Louisville, Louisville, KY, October 26, 2007
- Organizer, Session on Children, Nature, and Land Use, Symposium on Law, Ethics, and the Life Sciences, University of Louisville, Louisville, KY, October 26, 2007
- Overcoming Barriers to Sustainable Redevelopment at Cleanup Sites: Issues of Psychology, Politics, and Justice*, The Ohio River Valley Conference on Sustainable Redevelopment, sponsored by the U.S. Environmental Protection Agency, Louisville, KY, October 3, 2007
- Planning Committee, The Ohio River Valley Conference on Sustainable Redevelopment, sponsored by the U.S. Environmental Protection Agency, Louisville, KY, October 3, 2007
- Panelist, Discussion of The Unforeseen, a Sundance Film Festival movie, at a screening in Louisville, KY, August 24, 2007
- An Ecology of Environmentalism, Democracy, and Land Use Planning & Regulation*, Panel on Democracy, Environmental Law, and Land Use: Conflict or Confluence?, Southeast Association of Law Schools (SEALS), Amelia Island, FL, August 2, 2007
- Organizer, Panel on Democracy, Environmental Law, and Land Use: Conflict or Confluence?, Southeast Association of Law Schools (SEALS), Amelia Island, FL, August 2, 2007
- \* *The Lake, the Trust, and the Map: Can Environmental Law Achieve Environmental Conservation?*, Luncheon Speaker, Phi Beta Kappa Awards Luncheon, Phi Beta Kappa Association of Kentuckiana, Louisville, KY, May 8, 2007
- Zoning and Land Use Law for Engineers and Surveyors*, Seminar on Kentucky Land Law for Engineers and Surveyors, Lexington, KY, April 27, 2007
- \* *Fair and Healthy Land Use: Environmental Justice and Planning*, Bettman Symposium Speaker, Correcting Environmental Injustices, American Planning Association 99<sup>th</sup> National Planning Conference, Philadelphia, PA, April 15, 2007
- Organizer and Moderator, Forum on Mountaintop Removal Mining: Law, Environment, and Community, sponsored by the Center for Environmental Law, and co-sponsored by the Law School Diversity Committee (Diversity Forum) and Kentuckians for the Commonwealth, Louis D. Brandeis School of Law, University of Louisville April 10, 2007
- Roundtable Discussion on Law, Law School, and the Legal Profession, University of Kansas Honors Program, Lawrence, KS, March 2, 2007
- The Mask of Voter: Deindividuation, Discrimination, and Judicial Review of Direct Democracy*, University of Kansas School of Law Faculty Workshop, Lawrence, KS, March 2, 2007
- \* *The Lake, the Trust, and the Map: Can Environmental Law Achieve Environmental Conservation?*, University of Kansas Honors Program, Lawrence, KS, March 1, 2007



*Environmental Justice: Local and National Perspectives*, Black Law Students' Association Black History Celebration, Louis D. Brandeis School of Law, University of Louisville, February 23, 2007

*Land Use and Watersheds: Issues and Tools*, Floyd's Fork Watershed Planning Group and Kentucky Waterways Alliance, Louisville, KY, February 23, 2007

\* *The People's Land: Justice Brandeis, Environmental Conservation, and Wisdom for Today's Land Use Challenges*, Inaugural Boehl Distinguished Lecture in Land Use Policy, Louis D. Brandeis School of Law, University of Louisville, February 13, 2007

*Fair and Smart: Forging the Links Between Environmental Justice and Smart Growth*, Smart Growth Summit, Jeffersonville, IN, August 3, 2006

*Who Framed Urban Watersheds?: Framing Effects and the "Law" of Sustainable Development*, Panel on Viewing Environmental Policy and Law Through the Lens of Sustainable Development: Clarification or Muddle?, Southeast Association of Law Schools (SEALS), Palm Beach, FL, July 22, 2006

*The Structure of Land Use Regulation*, The Law and Policy of Ecosystem Services, a symposium at Florida State University School of Law, April 7, 2006

Organizer and Speaker, *The Slippery Slope: Water Quality, Urban Runoff, and the Issue of Authority*, a symposium at Chapman University School of Law, January 27, 2006 (sponsored by the Chapman Law Review)

*Unexercised Authority to Control Urban Runoff*, The Slippery Slope: Water Quality, Urban Runoff, and the Issue of Authority, a symposium at Chapman University School of Law, January 27, 2006 (sponsored by the Chapman Law Review)

*Fulfilling the Promise: Integrating Environmental Justice Considerations into Land Use Planning and Regulation*, Incorporating Environmental Justice into Land Use Planning, Albany Law School, Albany, NY, December 8, 2005, (organized by the Government Law Center of Albany Law School and the National Academy of Public Administration, with funding from the Ford Foundation)

*Fulfilling the Promise: Integrating Environmental Justice Considerations into Land Use Planning and Regulation*, Incorporating Environmental Justice into Land Use Planning, American Planning Association, Chicago, IL, November 30, 2005 (organized by the Government Law Center of Albany Law School and the National Academy of Public Administration, with funding from the Ford Foundation and co-sponsorship by the American Planning Association)

*Environmental Injustice Floods the National Conscience: Katrina and the Wider, Deeper Problems of Environmental Injustice*, Diversity Forum: Katrina and the Cross-Currents of Environmental Justice, Louis D. Brandeis School of Law, University of Louisville, November 7, 2005

*Clean-Water Land Use: Connecting Scale and Function*, Eastern Water Law Symposium; Integrating Land Use Law and Water Law: The Obstacles and Opportunities, Pace Law School, White Plains, NY, October 22, 2005 (co-sponsored by the Pace Environmental Law Review, the Pace Law School Land Use Law Center, the Government Law Center at Albany Law School, and the New York State Water Resources Institute at Cornell University)

*Environmental Conservation and the Arctic National Wildlife Refuge*, Forum on Drilling in the Arctic National Wildlife Refuge, Chapman University Law School, Orange, California, Spring 2005 (co-hosted by the American Constitution Society and the Land Resources Society)

\* *Working Out an Environmental Ethic: Anniversary Lessons from Mono Lake*, Environmental Law & Policy Lecture, Chicago-Kent College of Law, October 21, 2004; E. George Rudolph Distinguished Visiting Lecture, University of Wyoming College of Law, November 20, 2003

*Is Wet Growth Smarter Than Smart Growth?*, California Association of Environmental Professionals, Orange County Chapter, October 6, 2004

Panelist, *Recent Developments in Landlord-Tenant Law*, The Law Professors on Recent Developments in Real Property Law, California State Bar 23<sup>rd</sup> Annual Real Property Law Retreat, April 24, 2004

*The Mask of Voter: Deindividuation, Accountability, and Judicial Review of Direct Democracy*, University of California – Davis, School of Law, Faculty Colloquium, February 24, 2003; University of Wyoming Faculty Colloquium (law faculty & psychology faculty), October 14, 2003; University of Wyoming Psychology & Law Lab (graduate student seminar), December 9, 2003

Organizer and Moderator, *Wet Growth: Should Water Law Control Land Use?*, National conference sponsored by the Center for Land Resources, Chapman University School of Law & the Environmental Law Institute, February 7, 2003

Panel on Religious Land Use Conflicts from a Problem-Solving Perspective (the Religious Land Use & Institutionalized Persons Act), UCLA Land Use Law & Planning Conference, January 31, 2003

*Just Zoning? The Emerging Impact of Environmental Justice on Land Use Planning & Regulation*, Rocky Mountain Land Use Institute, March 2002

*Three Colliding World Views: Is Collaborative Problem-Solving a Possibility for Religious Land Use Conflicts?*, presentation for Planning the City of God, a conference sponsored by the Claremont Institute, January 2002

*Legal Issues in Drafting Trusts & the Ascertainable Standard*, Presentation at Discretionary Distribution MCLE Seminar, First American Trust, June 2001

Organizer & Speaker, The Religious Land Use and Institutionalized Persons Act: A Program for Attorneys Representing Cities & Counties, MCLE Seminar sponsored by the Center for Land Resources, Chapman University School of Law, March 2001

Panel on Faculty Pro Bono Policies, Annual Meeting of the Association of American Law Schools, January 2001

*Environmental Justice: What Is It and What Does It Mean for Industry and Development?* Presentation to the Environmental Law Section of the Orange County Bar Association, November 2000

Participant, U.S. Department of Transportation Environmental Justice/Title VI Summit, July 17-18, 2000

Respondent to paper on American constitutional law and hermeneutics by Professor Howard Vogel  
Conference on Relational Hermeneutics, Chapman University, February 25-26, 2000

*The First Amendment and the Life of Faith*, Trinity United Presbyterian Church (3 classes), 1999-2000

Organizer & Speaker, The Religious Land Use and Institutionalized Persons Act: A Program for Attorneys Representing Cities & Counties, MCLE Seminar sponsored by the Center for Land Resources, Chapman University School of Law, March 2001

*Living a Life of Leadership and Service*, University of Kansas Blueprints Leadership Conference, Panel of Former Leffel Award Recipients, February 27, 1999

*Introduction and Tribute to the Honorable Deanell Reece Tacha*, Inaugural Distinguished Jurist in Residence, Chapman University, February 8, 1999

*Environmental Justice and Land Use Regulation*, Los Angeles Chamber of Commerce & Los Angeles County Bar Association, Environmental Justice Seminar, November 1998

Moderator, The Future of Land Development in Southern California, Chapman University School of Law, January 1998

*Environmental & Natural Resources Regulation of Private Property*, Trinity University Political Science Department, Governmental Regulation & Individual Rights, Fall 1994

*Wildlife Habitat Protection & Property Rights*, Bexar Audubon Society Conference on Property Rights & Takings: An Urban Perspective, April 1995

*Microenterprise Development in Immigrant and Refugee Communities*, Conference, Lawyers' Committee for Civil Rights Immigrant & Refugee Rights Project, May 1995

*An Ethic of Public Service*, St. Mary's University, Personal & Academic Development, Fall 1994

San Antonio Bar Association CLE and Section Presentations:  
*International Environmental Law: Recent Trends & The North America Development Bank*, May, June, & October 1994  
*The Environmental Dangers of Buying, Owning, and Selling Property*, June 1993  
*Recent Developments in Endangered Species Law*, August 1992

*Policy Formulation & Homeless Legislation*, University of Kansas Department of Political Science, Public Policy Analysis, Fall 1988

#### IV. TEACHING: COURSES TAUGHT

Property I & II (or Property)

- Taught with emphasis on legal problem-solving and skill development

Water Resources Law & Policy (or Water Law) (cross-listed in both Law and Urban Planning)

- Some offerings of this course taught as a field study seminar
- Interdisciplinary emphasis on institutions and institutional evolution

Land Use & Planning Law (or Land Use Regulation) (cross-listed in Law, Urban Planning, Urban and Public Affairs, and Social Work)

- Taught as a professional skills development course with simulated land-use hearings and/or service learning projects

Environmental Law

- Some offerings of this course taught as a professional practice course; other offerings taught with emphasis on legal problem solving

Land and Ecosystem Conservation (cross-listed in Law, Urban Planning, and Urban and Public Affairs)

- Some offerings of this course taught as a field study seminar
- Interdisciplinary emphasis on institutions, institutional evolution, and society-ecosystem dynamics

Adaptive Planning and Resilience

- Online self-paced course for professionals
- Interdisciplinary emphasis on planning and resilience science

Natural Resource Law

- Traditional course format

Seminar in Biodiversity and Ecosystem Conservation

- Taught as a seminar in legal problem solving
- Interdisciplinary emphasis on institutions, institutional evolution, and society-ecosystem dynamics

Real Estate Transactions (or Real Estate Transactions & Finance)

- Most offerings taught as a professional skills development course in transactional negotiation, drafting, and professional judgment

Title Reports & Insurance

- Taught as a professional skills development course in title research, analysis, and drafting

Ecosystems & Legal Problem Solving

- Taught as a seminar in legal problem solving
- Interdisciplinary emphasis on institutions, institutional evolution, and society-ecosystem dynamics

Environmental Justice Seminar

- Advanced interdisciplinary seminar

Advanced Seminar in Land Development & the Environment

- Advanced interdisciplinary seminar

Property Rights Field Research Seminar

- Taught as an interdisciplinary field study seminar

Wills & Trusts (or Trusts & Estates)

- Traditional course format with several drafting assignments

Interdisciplinary environmental undergraduate courses (sciences, economics, sociology) (Keck Foundation Grant)

Numerous independent study/directed research projects (both law students and graduate students)

6 PhD dissertation committees and/or dissertation advisor role (5 in Urban & Public Affairs; 1 in Geography)

## V. SERVICE

### A. GOVERNMENT SERVICE

Kentucky Water Resources Committee on Research and Policy, 2014-present  
Louisville Metro Climate Change Committee, 2007-2009  
    Co-Chair, Subcommittee on Land Use, Transportation, and Urban Forestry  
Louisville Metro Fine Particulate Matter Air Quality Task Force, 2007  
City of Anaheim Planning Commission, 1999-2002 (Chairman, 2001-2002)  
City of Anaheim General Plan Advisory Committee, 2000-2004  
Judicial Law Clerk, The Honorable James K. Logan, Tenth Circuit U.S. Court of Appeals, 1990-1991  
City Attorney, City of Hondo, Texas, 1993-1995; City Attorney, City of Shavano Park, Texas, 1994  
Land Use Law Intern, Boston Redevelopment Authority, 1988  
Congressional Intern, Honorable James Slattery, U.S. House of Representatives, Washington, DC, 1986  
District Intern, Honorable Dan Glickman, U.S. House of Representatives, Wichita, KS, 1984

### B. SERVICE at the UNIVERSITY of LOUISVILLE

#### UNIVERSITY

University Sustainability Council, 2008-present  
    Education and Research Committee, 2008-present  
        Chair, Sustainability Research Committee, 2011-2015  
            Created, organize, & implement Sustainability Scholars Roundtable  
            Created and organize interdisciplinary collaborative workshops  

- Water Resources
- Resilient Communities
- Social Justice

Advisory Group, Academic and Research Priorities Committee, 21<sup>st</sup> Century University Initiative, 2013-2014  
Council of Research Deans, 2013-2014  
    Organized interdisciplinary research collaboration planning  
Internal Advisory Board, Logistics and Distribution Institute, 2007-2009, 2014-2015  
Phi Beta Kappa Speakers Committee, 2010-2013  
Faculty Liaison (from Law School), University Signature Partnership Initiative, 2006-2009  
Advisory Board, Center for Real Estate Studies, 2008-2009  
University Selection Committee, Awards for Outstanding Scholarship, Research, and Creative Activity, 2008, 2009, 2015  
Chair, Center for Land Use and Environmental Responsibility  
    Engage in interdisciplinary research  
    Support programming at the University of Louisville  
    Supervise a social-science faculty researcher and two graduate student researchers  
    Obtain grant funding to support interdisciplinary research and applied research  
    Collaborate with other centers and researchers  
    Develop long-term planning for Center's growth and impact  
Faculty Associate, Center for Environmental Policy and Management  
Proponent of the Juris Doctor-Master of Urban Planning dual degree program  
Organizer of Boehl Distinguished Lecture Series in Land Use Policy  
    Bring 1-2 prominent land use scholars to the University of Louisville each year for a major public lecture

#### LAW SCHOOL

Associate Dean for Research and Faculty Development, 2013-2014  
Associate Dean for Academic Affairs and Faculty Development, 2010-2011  
Co-Chair, Law School Strategic Planning Committee, 2013-2014  
Co-Chair, Law School Dean Search Committee, 2006

Chair, Faculty Appointments/Recruitment Committee, 2011-2012  
 Chair, Curriculum Committee, 2010-2011  
 Chair, Faculty Excellence Committee, 2007-2009  
 Chair, Sustainability Committee, 2014-present  
 Strategic Planning Committee, 2015-present  
 Faculty Excellence Committee, 2010-2012, 2014-2015  
 Curriculum Committee, 2015  
 Library Personnel Committee, 2014-present  
 Sustainability Committee, 2011-2012  
 Strategic Planning and ABA Site-Visit/Self-Study Committee, 2010-2011  
 Dean's Advisory Committee, 2007-2009  
 Diversity Committee, 2005-2008  
 Student Welfare Committee, 2005-2008  
 Clerkship Committee, 2008-2009  
 Personnel Committee, 2005-present  
 Alternate, Probation and Reinstatement Committee, Law School, 2005-2006  
 Flexner Chair Selection Committee, 2011-2012  
 Faculty Advisor, Environmental Law and Land Use Society, 2007-2012, 2013-present  
 Faculty Advisor, Christian Law Society, 2008-2012  
 Faculty Co-Advisor, *Journal of Animal and Environmental Law* (JAEL), 2009-2012  
 Co-coach, ABA Negotiation Competition Teams, 2010-present  
     (2 regional finalists in 2 years; 2 teams in national competition, 1 team in national semifinals)  
 Organizer and Regional Administrator, ABA Regional Negotiation Competition, 2013  
 Co-coach, Environmental Competition Team, 2010-2011  
 Faculty Advisor, JD-MUP Dual Degree Program in Law & Urban Planning, 2010-present  
 Faculty Leader, Orientation Service Day at Operation Brightside (2011), Olmstead Conservancy (2013), Law School  
     Courtyards (2015)  
 Co-leader of Law School Courtyards Revitalization Project, 2010-present

### **C. SERVICE at CHAPMAN UNIVERSITY SCHOOL OF LAW**

Creator:	Emphasis Program in Environmental, Land Use, and Real Estate Law
Law School Committees:	Admissions (Chair, 2004-2005) Rank & Tenure (Chair, 2002-2003; Member, 2004-2005) Curriculum (Chair, 2000-2002, Spring 2004; Member, 1999-2000) Academic Standards (Member, 2001-2002) Honor Council (Member, 2001-2002) Faculty Appointments (Chair, 1998-99; Member, 1996-1998) Judicial Clerkship (Chair, 1998-2001; Member, 1997-1998, Spring 2004) Library (Chair, 1997-2000; Member, 1996-1997) Pro Bono (Chair, 1997-1999) Long Range Planning (Member, 2000-2001) Career Services Advisory Board (Member, 1999-2000) Academic Support (Member, 1996-1998) Teaching Effectiveness & Scholarship (Member, 1997-1998) Space Planning (Member, Spring 2004)
University Committees:	Budget (Member, 2000-2001) Truman Scholarship Nomination (Member, 1997-2001)
Faculty Advisor:	Land Resources Society (and predecessors), 1996-2005 La Raza Latino Law Students Association, 2003-2005
Coach:	Negotiations Teams (ABA Negotiation Competition), 1999-2001 (3 regional finalist teams in 2 years; 2 teams in national competition) Coached or assisted coaching teams in California Bar Association Environmental Negotiation Competition, 2000, 2003 (winning team, 2003)
Supervisor:	Faculty Support Staff, Spring 2001

Development: Wrote faculty-driven law library collection development plan receiving \$1.5 million gift from the Darling Foundation  
Organized Wet Growth Conference, a national conference on the integration of land use, water use, and water quality controls with over \$20,000 in law firm or corporate sponsorships and registration fees, over 200 participants on-site and via live web broadcast, presentations by 9 nationally renowned scholars and 10 lawyers/professionals, and a published book of conference papers  
Participated in interdisciplinary initiative for undergraduate education in environmental science and problem-solving, which received substantial grant from the Keck Foundation

#### **D. COMMUNITY SERVICE**

##### LOUISVILLE, 2005 – PRESENT

The Nature Conservancy of Kentucky  
Board of Trustees, 2013-present  
Vice-Chair  
Board Liaison to Green River and Davis Bend Preserve Project, 2013-present  
The City Project National Advisory Council, 2014-present  
Major urban civil rights organization based in Los Angeles, CA  
Kentucky Water Resources Committee on Research and Policy, 2014-present  
River Fields  
Board of Trustees, 2008-2009  
Governance Committee; Marketing and Education Committee  
Habitat for Humanity of Metro Louisville, 2006-2009  
Board of Directors, 2007-2008  
Site Selection and Acquisition Committee, 2006-2008  
Lake Louisville Ad Hoc Committee, 2006-2007  
Coordinator, Historic Land Use Research Team, 2006-2009, 2010-present  
Approved public service project of Brandeis Law School Greenbaum Public Service Program  
Board of Directors, West Jefferson County Community Task Force, 2006-2008  
Louisville Metro Climate Change Task Force, 2007-2009  
Co-Chair, Subcommittee on Land Use, Transportation, and Urban Forestry  
Louisville Metro Fine Particulate Matter Air Quality Task Force, 2007  
Advisory Board, College of Liberal Arts and Sciences, University of Kansas, 2007-present  
Chair, 2011-present  
Redeemer Lutheran Church, 2010-2014  
Deacon, 2011-2013  
Lay Reader, 2011-2013  
Teacher, Christian Growth Fellowship classes, 2010-2013  
Chair and Moderator, Congregational Discernment Process (strategic planning), 2011-2012  
Pastoral Call Committee, 2012-2013  
Food Pantry Ministry, 2008-present (including partnership with Our Savior Lutheran Church)  
Project Compassion, 2011-2014  
Approved public service project of Brandeis Law School Greenbaum Public Service Program  
Fresh Stops (locally grown healthy foods; food justice), 2011-2013  
Park Hill Corridor Brownfields Group (Re-Defining Brownfields Initiative), 2005-2006  
Environmental Issues Planning Group, Festival of Faiths, Louisville, 2006  
Liturgist, Our Savior Lutheran Church, 2006-2009  
Honorary Board, Passionist Earth and Spirit Center, 2008-present

##### ORANGE COUNTY, 1996-2005

City of Anaheim Planning Commission, 1999-2002  
Chairman, 2001-2002

City of Anaheim General Plan Advisory Committee, 2000-2004  
Lector, Immanuel Evangelical Lutheran Church, Orange, CA, 2004-2005  
Elder (ordained officer), Member of Session, Trinity United Presbyterian Church, 2001-2003  
Worship Ministry Team, Trinity United Presbyterian Church, 1999-Present (Chair, 2002-2003)  
Theological Task Force, Trinity United Presbyterian Church, 2001  
Advisory Board, Careers in Law Program, North Orange County Regional Occupational Program, 1998-1999  
Co-Teacher & Leader, Builders Class, Trinity United Presbyterian Church, 1998-1999  
Deacon (ordained officer), Irvine Presbyterian Church, 1997-1998  
Volunteer Leader, Club 56, Irvine Presbyterian Church (program for 5<sup>th</sup> & 6<sup>th</sup> grade children), 1996-1997  
Class Correspondent, Stanford Law School Class of 1990, 1995-2000  
Advisory Board, Raymond Nichols League of Former Student Leaders, University of Kansas, 1999-2001

LOS ALTOS, CA, 1995-1996

Volunteer Youth Leader, High School Programs, Union Presbyterian Church

SAN ANTONIO, TX, 1991-1995

Board of Directors, Immigrant & Refugee Rights Project, Lawyers' Committee for Civil Rights  
Chair, Pro Bono Subcommittee  
Vice-President, Board of Directors, & General Counsel, Federación EcuMénica de Fe y Acción  
Microenterprise loan fund & microenterprise development among low-income communities  
Advisory Board, Good Samaritan Center (serving low-income Hispanic community & youth gangs)  
Pro Bono College, State Bar of Texas (exceptional *pro bono* commitment)  
Vice-President, San Antonio Bar Association Environmental Section  
First Presbyterian Church  
Deacon (ordained officer)  
Church Strategic Planning Committee; Prayer Ministry Task Force  
Worship Leader, Fourth Service; Fourth Service Worship Committee  
Chairman, Young Adult Fellowship; Co-Leader, College Bible Study  
Co-Leader, Spring Border Mission Trip, Proyecto Amistad, Piedras Negras, Mexico (1995)  
Co-Leader, Fall College Mission Trip, Proyecto Amistad, Piedras Negras, Mexico (1994)  
Work/Mission Trips to Nakuru, Kenya & Nuevo Laredo, Mexico  
Alazan-Apache Courts Housing Project (San Antonio): work project; children's ministry  
Founding Member, University of Kansas Political Science Department Alumni Committee  
Willie Velásquez Book Fund Committee  
Campaign Committee, Ramiro Cavazos for City Council, District 7  
Judge, St. Mary's Law School Walker Moot Court Competition & First Year Moot Court Competition

STANFORD LAW SCHOOL, 1987-1990

Co-Founder & Executive Editor, *Stanford Law & Policy Review*  
Co-Chair, Christian Legal Society  
Organizer, Habitat for Humanity Build-a-thon  
East Palo Alto Community Law Project & Centro Bilingue: compiled community services guide  
Stanford Latino Law Students' Association East Palo Alto Tax Clinic

UNIVERSITY OF KANSAS, 1983-1987

Search Committee, Vice-Chancellor of Academic Affairs  
Chairman, Student Senate Executive Committee  
Chair and Organizer, Jefferson Bicentennial Meeting on the Constitution  
President, Pearson Scholarship Hall  
Chair and Founder, Undergraduate Academic Advisory Board  
Chair and Founder, Honors Hosts Program

Co-President, Mortar Board Honor Society  
University Council  
University Libraries Committee  
Student Recruitment Program Review Committee  
Board of Directors, Legal Services for Students  
Chancellor's Distinguished Teaching Awards Committee  
Chancellor's Honors Scholarship Committee  
Teacher, First United Methodist College Sunday School Class  
Volunteer: Special Olympics  
Volunteer, REACH program  
Literacy Volunteers

## **VI. MEMBERSHIPS AND LICENSES**

### **A. ACADEMIC AND PROFESSIONAL MEMBERSHIPS**

American Water Resources Association  
Universities Council on Water Resources  
    Lead Delegate from the University of Louisville  
American Bar Association (including various sections)  
Association of American Law Schools (including various sections)  
    Pro Bono Awards Subcommittee, 2001-02  
American Planning Association (including various divisions)  
    Smith-Babcock-Williams Student Writing Competition Panel of Judges, 2007, 2008  
Southeast Association of Law Schools  
    Program Committee, 2006-2010  
Law & Society Association  
    Awards Committee for Best Graduate and Undergraduate Papers, 2010-2011  
Association for Law, Property, and Society  
Energy and Mineral Law Foundation  
American Society for Environmental History  
Forest History Society

### **B. BAR ADMISSIONS**

Texas, 1992  
Missouri, 1990  
5<sup>th</sup> Circuit U.S. Circuit Court of Appeals, 1993  
10<sup>th</sup> Circuit U.S. Circuit Court of Appeals, 1990  
Western District of Texas, 1992

## **VII. MEDIA FEATURES**

Featured Expert Interview, "2015's Best & Worst Large Cities to Live in: Ask the Experts," *WalletHub*, August 10, 2015  
Featured Interviewee, "Water Policy: Are We Running Out of Water?" Matt Townsend Show, BYU Radio, July 2, 2015 & July 4, 2015  
"There Are No Urban Design Courses on Race and Justice, So We Made Our Own Syllabus" by Brentin Mock, *The Atlantic CityLab*, May 14, 2015 (my *Fair and Healthy Land Use* book was listed 2<sup>nd</sup> in the list of publications selected by African American students at the Harvard University Graduate School of Design in developing a course syllabus and reading list for issues of race and justice in urban design)  
"How the Fastest-Warming City in the Country Is Cooling Off" by Erica Peterson, *Politico Magazine*, December 9, 2014 (quoted on the effect of land use planning and regulation on urban heat islands and urban trees)  
Interviewed for "Do Something" feature on people who are making a difference for the Law School Courtyards Renovation Project at the University of Louisville Brandeis School of Law, WHAS 11 News, July 7, 2014



Profile of the Center for Land Use and Environmental Responsibility in *Interdisciplinary Environmental and Sustainability Education and Research: Institutes and Centers at Research Universities*, National Council for Science and the Environment, 2014

“Resilient Cities,” Building a Greener Idaho, *Idaho Public Radio*, April 1, 2014: Interview Conversation among resilience and law scholars Tony Arnold, Barbara Cosens, and Stephen Miller

“Resilient Cities: A Conversation with Tony Arnold and Barbara Cosens” YouTube Video of Interview Conversation among resilience and law scholars Tony Arnold, Barbara Cosens, and Stephen Miller, for Idaho Public Radio (also posted on Land Use Prof Blog), March 26, 2014

“From Liberal Arts to Law – Tony Arnold,” *Learning Without Boundaries*, University of Kansas College of Liberal Arts and Sciences, October 25, 2013

“What Businesses Need to Know about Environmental Responsibility,” *Business First*, October 11, 2013: Invited guest comment in Green Businesses edition of Louisville-region business journal

“Towns Try to Take Back Water Systems,” by William Harless, *Wall Street Journal*, August 19, 2013: Quoted on water privatization trends

“Ojai Voters to Decide Whether to Buy Out Private Water Company,” by Chris Richard, *California Report* (broadcast on California Public Radio) and KQED NewsFix, August 27, 2013: Quoted on water privatization trends

Quoted in Associate Press news article about faculty reaction to the University of Louisville’s acceptance into the ACC athletic conference and its impact on academics; article appeared in numerous media outlets, including the *San Francisco Chronicle*, the *Lexington Herald-Leader*, the *Durham Herald-Sun*, the *Syracuse Post-Standard*, the *Houston Chronicle*, the *Brownsville Herald*, and many others, November 28-29, 2012

Featured on a news profile on The Nature Conservancy website as a new Trustee, Fall 2012

“Giving Up Rights?” by James Bruggers, *Louisville Courier-Journal*, March 10, 2012: Quoted several times throughout front-page article about avigation easements

“Guardians of the Environment,” WBKI, April 27, 2012: local WB TV station video feature profiling Tony Arnold as a Guardian of the Environment for the work that he and his students have done on addressing urban tree canopy needs in the Louisville region

“Tony Arnold Does Everything He Wants,” *KU Honors Program News*, March 2012: Featured KU Honors Program alumnus

“A Growing Problem” by James Bruggers, *Louisville Courier-Journal*, October 28, 2011: Discussion of urban tree canopy plan produced by students in Tony Arnold’s Land Use & Planning Law class, including plan’s recommendations for urban tree policies and a quote

“Adaptive Watershed Planning and Climate Change,” Montana Evening Edition Interview with Tony Arnold, Montana Public Radio News, September 27, 2011

“Lunch With . . . Tony Arnold” *Louisville Courier-Journal*, April 11, 2008: Half-page newspaper interview feature with selected people of interest to the community (one per week); Arnold’s feature was on why land conservation and land health should matter to all of us, and various aspects of land conservation

“Zeon Case Could Limit Rights” by James Bruggers, *Louisville Courier-Journal*, September 20, 2007: Quoted on settlement agreement of environmental lawsuit between Zeon and West Louisville residents

News Feature on Habitat for Humanity TeamBuild with University of Louisville Brandeis School of Law Students, Staff, and Faculty, WLKY evening news, August 25, 2007 (interviewed)

*Louisville Courier-Journal* website news, *Louisville Business Journal*, *Business First*, and several other electronic or Internet media features on the launching of the Boehl Distinguished Lecture Series in Land Use Policy, February 2007, and several subsequent features about scheduled Boehl Lectures

“Champion of the Environment” by Craig Anthony (Tony) Arnold, *Louisville Courier-Journal*, November 12, 2006, at H1 & H3: Forum feature on the ideas of Louis D. Brandeis on land use and environmental conservation, as part of a Brandeis Sesquicentennial focus

“U of L Professor Warns About Dangers of Pesticides in Kentucky Waterways” by Matt Thacker, *The Voice-Tribune*, June 8, 2006, at A-2, A-3: Article discussing my research on land use and watersheds

“Watershed Moment” by Todd Wetzels, *IMPACT*, Winter 2006, and various Internet and blog versions: Article discussing my research on land use and watersheds

“Residents, City Await Toxic-Air Decisions” by James Bruggers, *Louisville Courier-Journal*, March 9, 2006: Quoted on impact of proposed bill requiring city council approval of every new air-pollution regulation

“Wal-Mart on Ballot in Inglewood” by Andrew Galvin, *Orange County Register*, April 6, 2004, at B1, B4: Quoted on legality of Wal-Mart land use initiative on ballot in Inglewood

Interviewed on City of Cypress taking of Cottonwood Christian Center’s land (issues of religious freedom, takings, referendum law, and redevelopment agency powers): *Orange County Register*, KFWB Radio News, and Adelphia Cable Television News Show, July and August 2002

Quoted in numerous articles about the Anaheim Planning Commission, *Orange County Register*, 1999-2002

“Why California Hasn’t Built More Power Plants”: Featured Guest, Life & Times News Program, KCET TV (public television), January 27, 2001

“Courts and Elections”: Featured Guest, Prime Story, OCN TV (local news station), December 15, 2000

“Measure F Ruled Unconstitutional (Constitutionality of County Land Use Initiative Concerning Use of El Toro Marine Air Base as a Commercial Airport)”: Featured Guest, Prime Story, OCN TV (local news station), December 1, 2000

“Government and Religious Speech”: Featured Guest, Michael Reagan Talk Show, syndicated to 220 radio stations nationwide, April 26, 2000

“Economy v. Ecology”: Featured Guest, Economic Journal with Jim Doti, KOCE TV, November 13, 1999

“Zoning Laws and Religious Freedom”: Featured Guest, Talk of the City, KPCC-FM Radio, August 31, 1999

“When Regulations and Religious Freedom Collide” by Michael Luo, *Los Angeles Times*, August 29, 1999, at B1: Quoted on trends in conflicts between land use regulation and religious uses

“Where Herds Once Roamed Will Become Home For Thousands” by Jim Radcliffe, *Orange County Register*, July 25, 1999, at A06: Quoted on impact of development

“Leffel Award Winners Gather to Celebrate Legacy of Student Leadership,” *Kansas Alumni Magazine*, March 1999, at 11: Quoted on student leadership

“It’s Academic: Teaching Offers a Rich and Varied Work Environment” by Joel Cone, *Orange County Reporter*, April 29, 1998, at 6: Featured in article on law professors

“Newport Beach Homeowners Association Seeks to Keep Out Sexual Offenders”: Interviewed about property law, CC&Rs, and civil rights laws, OCN TV, January 29, 1998

“Rev. Drake Convicted in Zoning Case” by Thao Hua and Lesley Wright, *Los Angeles Times*, July 29, 1997, at A1: Quoted on trends in conflicts between local regulation and religious activities

“Government v. Religion: Which is the Higher Power?” by Craig Anthony (Tony) Arnold, Editorial, *Los Angeles Times* (March 2, 1997)

## **VIII. PERSONAL**

### **A. INTERESTS**

Running  
Hiking  
Horseback riding (western)  
College basketball, especially the Kansas Jayhawks and the Louisville Cardinals  
Spending time outdoors, working in my yard and gardens, and enjoying nature and its ecosystems  
An eclectic range of music, including Latino, reggae, 1980s, bluegrass, and country and western  
Train travel  
Family (my parents, sister, brother-in-law, and 4 nieces adopted from India and Vietnam)  
My Christian faith

### **B. MISCELLANEOUS**

I was born in Montreal, Canada as a citizen of both the United States and Canada.