

Seth J. Chandler

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■ Summary

□ Current Employment

Professor of Law,
University of Houston Law Center

□ Former Employment

Munger Tolles & Olson (1986-90); Williams & Connolly (1984-86); Judge Edward R. Becker,
Third Circuit Court of Appeals (1983-84)

□ Education

Harvard Law School, J.D. 1983, magna cum laude; Princeton University (Woodrow Wilson
School of Public and International Affairs), A.B. 1979, summa cum laude

□ Representative Publications

Introduction to the Eighteenth Annual Frankel Lecture (on the Affordable Care Act), 51 Hous. L. Rev. 1017 (2014); *A Genetically Modified Liability Insurance Contract*, 13 Conn. Ins. L.J. 203 (2007); *The Network Structure of Supreme Court Jurisprudence*, in *Applied Mathematica: Proceedings of the 7th International Mathematica Symposium* (August 2005) (ISBN 1-57955-050-9); *Simpler Games: Using Cellular Automata to Model Social Interaction*, in *Challenging the Boundaries of Symbolic Computation: Proceedings of the 5th International Mathematica Symposium* (July 2003); *Visualizing Adverse Selection: An Economic Approach to the Law of Insurance Underwriting*, 8 Conn. Ins. L.J. 435 (2002); *Foggy Games and the Structure of Legal Rules*, in *Symbolic Computation: New Horizons: Proceedings of the Fourth International Mathematica Symposium* (2001); *Reconsidering The Duty to Settle*, 42 Drake L. Rev. 741 (1993); *Note, Removing Books From School Libraries*, 96 Harv. L. Rev. 151 (1983); author of 90 published interactive "Demonstrations" available at <http://demonstrations.wolfram.com>

□ Teaching

Typical Courses: Insurance Law, Law and Economics, Contracts, Constitutional Law, Health Law, Analytic Methods for Lawyers

1995 Enron Teaching Award, University of Houston Law Center

■ Education

□ Degrees

Harvard Law School, J.D., 1983, *magna cum laude*

Princeton University (Woodrow Wilson School of Public and International Affairs), A.B., 1979, *summa cum laude*

□ Certificates

Harvard Graduate School of Education, Management Development Program, 2003

□ Major Activities

Managing Editor, The Harvard Law Review, 1982-83

Editor, The Harvard Law Review, 1981-82

Managing Editor, The Daily Princetonian, 1978-79

■ Law School Employment

Law Foundation Professor of Law, University of Houston Law Center, January 1, 2006 - present

Director, Program on Law and Computation, 2011 - present

Co-Director, Health Law & Policy Institute, May 2004 - 2010

Vice Dean, University of Houston Law Center, June 2004 - Dec. 31, 2005

Associate Dean for Academic Affairs, University of Houston Law Center, May 2002 - June 2004

Professor of Law, University of Houston Law Center, 2002-present

Associate Professor of Law, University of Houston Law Center, 1990-2002

■ Major Publications

Introduction, 51 Hous. L. Rev. 1017 (2014) (Forward to an issue discussing the Affordable Care Act)

The Architecture of Contemporary Healthcare Reform and Effective Marginal Tax Rates, critical assessment of the effect on effective marginal tax rates of income-dependent subsidies under the Patient Protection and Affordable Care Act, 29 Miss. C. L. Rev. 335 (2010)

Long Term Care : The Next Healthcare Frontier, describing issues arising in regulating public and private long term care insurance in light of 19 Annals Health L. 19 (2010)

A Genetically Modified Liability Insurance Contract, uses "genetic programming" and other mathematical techniques to show how insurers and courts could construct a better liability insurance contract by paying greater attention to statistical characteristics of lawsuits that befall the insured and by constructing a somewhat more complex duty to settle. 13 Conn. Ins. L.J. 203 (2007)

The Insurance Industry, in the International Encyclopedia of Social Science (2d ed. 2007)

- Children and Insurance*, in *The Child: An Encyclopedic Companion* (University of Chicago Press, 2009)
- Restricted Non - Cooperative Games*, in 4488 *Lecture Notes in Computer Science 170* (Yong Shi, et. al. eds., 2007) (7th International Conference in Computational Science, Beijing)
- The Network Structure of Supreme Court Jurisprudence*, in *Applied Mathematica: Proceedings of the 7th International Mathematica Symposium* (August 2005) (ISBN 1-57955-050-9) (discussed in *The Wisdom of Hercules*, *The Economist*, August 27, 2005, and available at http://www.economist.com/science/PrinterFriendly.cfm?Story_ID=4316174) (a revised version is available in 10 *The Mathematica Journal* 501 (2007))
- GCANS:Global Cellular Automaton Networks*, in *Proceedings of the 6th International Mathematica Symposium* (August 2004)
- Simpler Games: Using Cellular Automata to Model Social Interaction*, in *Challenging the Boundaries of Symbolic Computation: Proceedings of the 5th International Mathematica Symposium* (July 2003), (Peter Mitic et. al., eds., 2003) (ISBN 1-86094-363-2)
- Visualizing Adverse Selection: An Economic Approach to the Law of Insurance Underwriting*, 8 *Conn. Ins. L.J.* 435 (2002)
- Foreword, Children's Health: A Time for Optimism?*, 1 *Hous. J. Health L. & Pol'y* 1 (2001) (co-authored with Mary Anne Bobinski)
- Foggy Games and the Structure of Legal Rules*, in *Symbolic Computation: New Horizons: Proceedings of the Fourth International Mathematica Symposium* (Yoshihiko Tazawa, et. al., eds., 2001) (ISBN 4-501-73020-X C3041)
- Behavior and Learning Under Law: Automata Containing Evolutionary Algorithms*, 8 *The Mathematica Journal* 301 (2001) (co-authored with Christian J. Jacob and revising our *Automata Containing Evolutionary Algorithms: Behavior and Learning Under Law*, in *Proceedings of the Third International Mathematica Symposium* (1999), available at <http://www.risc.uni-linz.ac.at/conferences/summer99/ims99>)
- Insurance Regulation*, in 3 *The International Encyclopedia of Law and Economics* 837 (Boudewijn Bouckaert & Gerrit De Geest eds., 2000)
- Automata Containing Evolutionary Algorithms: Behavior and Learning Under Law*, in *Proceedings of the Third International Mathematica Symposium* (1999), available at <http://www.risc.uni-linz.ac.at/conferences/summer99/ims99>
- Modeling Law: Using Cellular Automata to Study Legal Regulation of Conflicting Land Use*, in *Innovations in Mathematics: Proceedings of the Second International Mathematica Symposium* (1997) (ISBN 9525153029)
- The Interaction of the Tort System and Liability Insurance Regulation*, 2 *U. Conn. Ins. L.J.* 91 (1996)
- Visualizing Moral Hazard*, 1 *U. Conn. Ins. L.J.* 97 (1995)
- Reconsidering The Duty to Settle*, 42 *Drake L. Rev.* 741 (1993)
- Note, Removing Books From School Libraries*, 96 *Harv. L. Rev.* 151 (1983)

■ Teaching

□ Courses Taught in Past 10 Years

Course	Special Features	Years
Analytic Methods for Lawyers	New course (first year practical skills elective) teaching students basics of decision analysis, game theory, contract structure, accounting, finance, microeconomics, law and economics and statistics; large number of videos and other materials available at http://www.law.uh.edu/polac/resources	2005, 2007, 2009, 2011, 2013, 2014

Computational Law	Developed course dealing with network theory, computational linguistics and machine learning; website at sites.google.com/site/computationallaw	2012, 2015
Constitutional Law	Created class blog learningconlaw.wordpress.org ; created website sites : google.com/site/sjconlaw	2009, 2010, 2012, 2014
Contracts	Extensive reliance on Case Files. Made drafting integral part of course.	1993 – 94, 2000 – 01, 2004, 2007, 2010, 2012, 2015
Health Law	Survey courses in health law, including bioethics, tort liability, licensure, financing, fraud and abuse, antitrust	1996, 1998, 2000 – 02, 2005, 2007, 2009
Insurance Law	Development of website containing extensive materials mostly on Texas insurance law.	1990 – 95, 1997 – 2004, 2007 2008, 2011, 2013
Law and Economics (Course and Seminar)	Extensive use of <i>Mathematica</i> in presenting materials in course. Course covers traditional law and economics as well as game theory and network/spatial models.	1993 – 1996, 1999, 2001, 2003
Life & Health Insurance	Prepared extensive materials for course as no law casebook exists; created class blog http://mathlawguy.wordpress.com/	1999, 2002, 2008, 2011

□ Teaching Awards

Enron Teaching Excellence Award, University of Houston, 1995

■ Service

□ Law Center

Co-chair, Strategic Planning Committee (2013-14)

Chair, Promotion and Tenure Committee (2011 - 2013, 2014-15)

Faculty Appointments Committee (2005 - 2007)

Curriculum Committee (1999-2002)

Chair, Entry Level Hiring Committee (1999-2000)

Chair, Executive Committee (1998- 1999; Member 1991-94)

Chair, Legal Research and Writing Search Committee (Spring 1999)

Supervisor, Adjunct Teaching Improvement Project (1998- 1999)

Chair, Law Center Computer Committee (1994-1997)

Member, Planning Committee for Teaching Methods Workshops (1995-present)

Work on development of new teaching methods, with focus on use of new technology

Chair, Ad Hoc Computer Use Fee Committee (1994-present)

Faculty Advisor, Houston Law Review (1993-1997)

Faculty Advisor, Houston Business & Tax Law Journal (1999-present)

Dunkee, Asian Law Students Association, Family Day (1995)
Member, Ad Hoc Skills Training Committee (1993-94)
Member, Law Center Computer Committee (1990-93)
Faculty Sponsor, "Thursday Thoughts" Program (1993)
Member, Curriculum Committee (1991-93; 1996-97, 1998 - present)
Faculty Sponsor, Democratic Law Students Association (1992-93)
Judge of various moot courts (1990-2003)

□ **University-Wide**

University Grievance Committee (2011 - present)
Teaching Excellence Committee (2000-03)
Faculty Senate (1997 - 2000, 2008-2011) (including Legislative and Community Affairs Committee, Planning Committee and Faculty Affairs Committee)
Graduate and Professional Studies Council (1998 - 1999)
Chair, Academic Computing Advisory Committee (1995 - 1996)
Member, Academic Computing Advisory Committee (1993-present)
Member, Dissertation Committee for Daniel Carr, Ph.D. Candidate (Psychology, "Expert Systems in Jury Selection") (1995-present)

□ **Community & Miscellaneous**

Testimony, House Insurance Committee (Austin, 2013)
Testimony, Senate Business and Commerce Committee (Austin 2013)
Testimony, Joint Interim Committee to Study Seacoast Territory Insurance (Austin, 2012)
Conference Organizer, 11th International Mathematica Symposium (London 2012)
Chair, ABA Site Team, University of Nebraska (2011)
Speaker, Health Insurance (The People's Law School 2009 - present)
Testimony, House Insurance Committee (Austin, 2009)
Chair, ABA Site Team, University of Oklahoma (November 2008)
ABA Site Inspector, University of Dayton (March 2008)
Editorial Reviewer, Ninth International Mathematica Symposium (June 2008) (reviewed eight abstracts on finance and graphics)
ABA Site Inspector, University of Missouri Kansas City (2007)
Assistant Coach, West University Little League Baseball (2007-08, 2009, 2011)
Opening Speaker, Texas Legislature, State Affairs Committee Hearing on Stem Cell Advances (September 26, 2006, Houston, Texas)
Conference Organizer and Opening Speaker, Reforming the Law of Emergency Medical Care (Houston, April 6, 2006)
Member, Texas Health Care Policy Council (2006-2011) (statutory body within the office of the Governor)

Member, Steering Committee, Texas Department of Insurance State Planning Grant on Houston Small Employer Insurance

Instructor, New Kind of Science Summer School (Brown University 2005)

Chair, Association of American Law Schools Section on Insurance Law (2006-07)

Member, Thesis Review Committee for Michael Thompson, Master of Science Candidate, University of Western Sydney ("Use of Cellular Automata Models to Examine Complexity of Organizational Behavior") (2005)

Referee, Art Diggle, et. al., *Individual based models of spread of seeds, pollen, fungi, and insects* (paper for International Mathematica Symposium 2005)

Referee, Yves Papegay, *Exploring Board Games strategies* (paper for International Mathematica Symposium 2005)

Referee, Colin Rose & Murray Smith, *mathStatica: Symbolic Computational Statistics* (paper for International Mathematica Symposium 2005)

Program Committee Member, Seventh International Mathematica Symposium (2005)

Chair, ABA Site Inspection Committee, University of Mississippi (2004-05) (attended ABA meeting in September, 2004 in preparation)

Program Committee Member, Sixth International Mathematica Symposium (2004)

Speaker, Meeting of Center for Disease Control and Texas Department of Health on Community Public Health Legal Preparedness (2004)

ABA Site Inspector, La Verne College of Law (2003)

Program Committee Member, Fifth International Mathematica Symposium (2003)

ABA Site Inspector, University of Arkansas Little Rock (2003)

Pro Bono Attorney, In re Luis Alberto Ramirez Diaz (2002-present) (representation in political asylum proceeding, appeal to Bureau of Immigration Appeals, appeal to United States Court of Appeals for the Fifth Circuit)

Speaker, Health Law, University of Texas School of Public Health/ Texas Southern University Conference on Health and Social Justice (2002)

Volunteer Editor/Beta Tester for Stephen Wolfram's book, "A New Kind of Science." (2002)

Expert on Insurance Law and Health Law, for "Allexperts.com" (1999-2000) (number one rated national expert in insurance law)

Consultant, Texas Attorney General's Office (2000) (pro bono evaluation of settlement of major dispute between managed care entities and state)

Moderator, The Florida Election Debate (Houston, November 2000)

Contract Law for Fifth Graders (Klantzman Intermediate School, 2000)

Speaker, "Beyond Stowers" (Houston, Fall 1998)

Pro Bono Professional Work Relating to Health Insurance Needs of Persons with HIV/AIDS (Houston, Spring 1998)

Speaker, "The People's Law School," Health Insurance (Houston, Spring 1998, Fall 1998, Spring 2000, Spring 2001)

Panelist, "On the Spot": The Health Channel (broadcast in January 1998) Topic : "In Vitro Fertilization of Post Menopausal Women"

Speaker, "The People's Law School," Insurance Law (Houston, 1993, 1994, Spring 1995, Fall 1995, Fall 1996, 2002)

Speaker, "A Simulated Class on Contract Law," Family Day (Houston, Fall 1995)

Speaker, "Law Preview Day," (Houston 1994, Houston 1995)

Speaker, "Group Health Insurance and Cancer: Federal Regulation of Insurance Policies," American Cancer Society (Houston, 1994)

Speaker, "Law and Economics" (Houston, 1994)

Speaker, "Quasi-Contract for Kindergartners," (Houston, 1993)

Speaker, "Health Insurance and Problems of Tourette's Syndrome: Current Law and Health Security Act," National Tourette Syndrome Society Convention (Houston, 1993)

Speaker, "Health Insurance," American Cancer Society (Houston, 1993)

Speaker, "Health Insurance and Problems of Tourette's Syndrome" (Houston, 1992)

Docent, Houston Heights Historical Museum (1991-92)

□ Awards

LexisNexis award for use of computer technology in the classroom (2012)

Wolfram Innovator Award (2011) (award to honor individuals who have made significant contributions to their fields through the innovative use of Wolfram technologies).

President's Medal, Loyola University (2006) (highest honor given by Loyola University; awarded for spearheading and implementing efforts to host Loyola (New Orleans) Law School at the University of Houston Law Center for fall 2005 following Hurricane Katrina).

Ethel M. Baker Faculty Award (2004) (Law Center's highest award for community service)

■ Blogs

□ **acadeathspiral.org (established November 2013)**

This blog, which has been picked up by leading aggregators such as thehealthcareblog and realeclearpolicy.com and has become a leading source of information on the topic, chronicles the potential implosion of the Affordable Care Act. It explores whether the Exchange based system of providing health insurance without medical underwriting is likely to work or that, if it does, whether it will need far more massive propping up from federal taxes than is conventionally recognized. It looks at current events, the history of the Act, important court cases, and regulatory developments. Its tools include careful review of primary documents such as statutes, regulation and statistical materials, some graphical and mathematical analyses, and references to important and insightful articles written by others. As of April 2014, the blog had over 25,000 views.

□ **catrisk.net (established June, 2012)**

A blend of legal analysis, actuarial research, visualization and opinion that has become the leading source of information on catastrophic risk insurance in Texas. Contains 91 posts and has had over 6,800 views since being established, averaging about 1,000 per month for the 2013. Contains numerous interactive visualizations, static visualizations addressing the 83rd Legislature in Texas, accounting, assessments, climate and weather, finance, insurance law, meetings and hearings, catastrophe modeling, receivership law and reinsurance.

□ **mathlaw.org (established January 2013)**

Using static and interactive visualization technology to address the opportunities for mathematical analysis and computer programming to assist with legal analysis. Posts to date focus on the Affordable Care Act (statistics, taxation, network theory), Game Theory (iterated games), taxation and climate studies.

■ Other Publications And Speaking Engagements

□ Legal Publications

Small Business and Obamacare, published in the National Review Online (available at <http://www.nationalreview.com/article/368241/small-businesses-and-obamacare-seth-j-chandler>)(- January 13, 2014)

The Effect of Premium Subsidies and Cost Sharing Reductions Under the Affordable Care Act on Effective Marginal Tax Rates, Harvard Law School (panel on the future of healthcare) (talk cancelled due to Boston Marathon bombing manhunt) (version of talk available at <http://math-law.org/2013/04/09/exploring-the-effective-marginal-tax-created-by-the-affordable-care-act/>)

Machine Learning The Supreme Court, Reinvent Law conference at the Dubai International Financial Center in a conference sponsored by Michigan State University.

JLink Without Java : Mathematica with .Class, Wolfram Technical Conference (Champaign, IL, October 2012) (interfacing *Mathematica* with Clojure, Scala and xTend)

"To fix the TWIA mess, focus on the fundamentals," Houston Chronicle, July 27, 2012

"Let's do the math before deciding on Medicaid expansion," Houston Chronicle, July 12, 2012

"Leaving denser coastal counties out to dry if major windstorms strike," Austin American Statesman, July 10, 2012

Machine Learning Judicial Behavior Using a Mathematica to Weka Interface, 11th International Mathematica Symposium (University College, London, June 2012) (draft available on request)

Insurance Justice with Two Dimensional Underwriting, Wolfram Technology Conference (Champaign, IL, Oct. 2011) (available at <http://library.wolfram.com/infocenter/Conferences/8017>)

The Case for Evolutionary Computing, Inaugural Workshop of the Program on Law and Computation (Houston, Texas, April 2011) (available at <http://www.law.uh.edu/polac/resources/home-page.php>)

Health reform plan flawed but has potential benefits: Letting states opt out invites experimentation, Houston Chronicle, March 1, 2011

Health care plan could dampen economic growth, Houston Chronicle, Nov. 26, 2009

Reformulated coastal insurance plan a catastrophe, Houston Chronicle, June 6, 2009

Windstorm reform trims subsidies, Houston Chronicle, May 11, 2009

Chandler on Hartford Accident & Indem. Co. v. Argonaut Ins. Co. : Following the Fortunes, 2008 Emerging Issues 2767 (August, 2008)

Title I of the Genetic Information Nondiscrimination Act of 2008, 2008 Emerging Issues 471 (July 2008)

Professor Seth J. Chandler on Fair Credit Reporting Act, 15 USCS Section 1681 b : Congressional Bill Would Outlaw Use of Credit Scores in Personal Lines insurance, available at <http://law.lexisnexis.com/practiceareas/Insurance/Regulatory-Issues-and-Compliance/Professor-Seth-J-Chandler-on-Fair-Credit-Reporting-Act-15-USCS-Section-1681b-Congressional-Bill-Would-Outlaw-Use-of-Credit-Scores-in-Personal-Lines-Insurance> (posted July 2008)

Professor Seth J. Chandler on Florida Stat. §627.0628, available at <http://law.lexisnexis.com/practiceareas/Insurance/Climate-Change/Professor-Seth-J-Chandler-on-Florida-Stat--6270628> (posted June 2008)

The CISG Text, proceedings of the 9 th International Mathematica Symposium (July 2008, Maastricht, Holland)

Demonstrating Insurance (Poster talk presented to the American Association of Law Schools, January 2008, New York)

A Category 5 Mistake if We Expand Windstorm Coverage, Houston Chronicle, August 28, 2006

Court Finds ERISA Bar To Maryland Effort To Force Large Employers to Provide Limited Health Insurance (August 2006)

- <[http://www.law.uh.edu/healthlawperspectives/\(SC\)MDERISA.pdf](http://www.law.uh.edu/healthlawperspectives/(SC)MDERISA.pdf)>
Texas Medical Malpractice Reform: Introduction, Health Law News (November 2005)
- The Network Structure of Supreme Court Jurisprudence* (June 2005)
 <http://papers.ssrn.com/sol3/papers.cfm?abstract_id=742065>
- High Deductible Health Plans: The Limits of Analytic Economics* (June 2005) (Poster presented to the American Society of Law, Medicine & Ethics Health Law Teachers' Conference)
- Game Theory Looks at Florida's Three Strikes Laws* (December 2004)
 <[http://www.law.uh.edu/healthlawperspectives/\(SC\)ThreeStrikesRev2.pdf](http://www.law.uh.edu/healthlawperspectives/(SC)ThreeStrikesRev2.pdf)>
- Court: Insurers Must Be Even Clearer In Explaining Retroactive Dates in Group Medical Malpractice Policies* (August 2004)
 <[http://www.law.uh.edu/healthlawperspectives/\(SC\)PresidentvJenkins2.pdf](http://www.law.uh.edu/healthlawperspectives/(SC)PresidentvJenkins2.pdf)>
- New Jersey Supreme Court Restricts Use of Contract in Determining Disposition of Frozen Preembryos* (August 2001)
 <<http://www.law.uh.edu/healthlawperspectives/reproductive/010827NewJersey.html>>
- Book Review: Gostin's Public Health Law: A Masterful Restatement*, 14 Health Law Perspectives 10 (March 2001)
- The Genetic Information Nondiscrimination in Health Insurance Act of 1999: Too Fast and Too Federal?*, Health Law Perspectives (August 2000)
 <<http://www.law.uh.edu/healthlawperspectives/Genetics/000803Nondiscrimination.html>>
- The Texas-Aetna Settlement: A Significant Experiment in Managed Care Reform*, Health Law Perspectives (May 2000)
 <<http://www.law.uh.edu/healthlawperspectives/Managed/000503TexasAetna.html>>
- Massachusetts Court Diminished Role for Contract in Reproductive Decision*, Health Law Perspectives (April 2000) <<http://www.law.uh.edu/healthlawperspectives/Reproductive/20000412-Massachusetts.html>>
- Book Review, Undue Risk: Secret State Experiments on Humans*, 13 Health Law News 11 (March 2000)
- Fifth Circuit Joins Seventh in Rejecting ADA Attacks on AIDS Benefit Caps*, Health Law Perspectives (Feb. 2000) <<http://www.law.uh.edu/healthlawperspectives/Disabilities/20000229M-cNeil.html>>
- RICO Unleashed: Humana Case Gives Federal Government More Power to Police Health Insurers*, 13 Health Law News 7 (Sept. 1999)
- Policing the Insurance Industry: Did Congress Give Away Its Power in 1945?*, 3 Supreme Court Preview 156 (Nov. 20, 1998)
- Eleventh Circuit Finds No Antitrust Violation in "Preferred Provider" Arrangement by Hospitals*, Health Law Perspectives (March 1998) <<http://www.law.uh.edu/healthlawperspectives/Managed/980325Antitrust.html>>
- Insurance Insolvency Issues in Professional Malpractice Actions*, in 6th Annual Medical Malpractice Conference, Texas Trial Lawyers Association (1995)
- The New Technology in Legal Education: Computer Generated Heresy*, 14 The Briefcase No. 2 (1994)
- Comment, Faculty Roundtable*, 11 The Briefcase No. 3 (1992)
- Maryland Court Rejects Insured Versus Insured Exclusion*, ABA Class Actions & Derivative Suits (1990)

□ **Science/Economics Publications and Presentations**

- Interactive Economic Models from the Wolfram Demonstrations Project*, Journal of Economics Education (Winter, 2008) (with Fiona Maclachlan and W.J. Bolte).
- Exploring Computational Irreducibility and the Predictability of Complex Systems using Mathematics*, Proceedings of 2004 New Kind of Science Conference (June 2004) (available as *Mathe-*

matica notebook at <http://www.wolframscience.com/conference/2004/presentations>)

□ Demonstrations

The list below constitutes peer reviewed interactive demonstrations of various ideas and data in the fields of law, economics, statistics, linguistics and other miscellaneous areas of interest. These “Demonstrations,” produced using *Mathematica*, have been viewed over one half million times and downloaded for serious examination over 50,000 times. They may be downloaded and examined using the Wolfram CDF Player, a product conceptually similar to Adobe Acrobat, and freely available at <http://www.wolfram.com/cdf/>. There are also plug-ins available for most web browsers that let you interact with these documents within the web browser.

Legal/Economic

Academic Admissions, available at <http://demonstrations.wolfram.com/AcademicAdmissions/>

A Conceptual Model of Lapse Financed Life Insurance, available at <http://demonstrations.wolfram.com/AConceptualModelOfLapseFinancedLifeInsurance/>

A Health Stories Model of Long - Term Care Insurance, available at <http://demonstrations.wolfram.com/AHealthStoriesModelOfLongTermCareInsurance/>

A Minimal Circumcircle Measure of District Compactness, available at <http://demonstrations.wolfram.com/AMinimalCircumcircleMeasureOfDistrictCompactness/>

A Parameterized Multistate Life Table, available at <http://demonstrations.wolfram.com/AParameterizedMultistateLifeTable/>

A Spatial Dynamic Jury Model, available at <http://demonstrations.wolfram.com/ASpatialDynamicJuryModel/> (featured on the television show *Numb3rs* (see <http://numb3rs.wolfram.com/515/>))

Adverse Selection, available at <http://demonstrations.wolfram.com/AdverseSelection/>

Akrasia, available at <http://demonstrations.wolfram.com/Akrasia/>

Asylum in the United States, available at <http://demonstrations.wolfram.com/AsylumInTheUnitedStates/> (with Anne Chandler)

Banzhaf Power Index, available at <http://demonstrations.wolfram.com/BanzhafPowerIndex/>

Beat Chebyshev, available at <http://demonstrations.wolfram.com/BeatChebyshev/>

Bilateral Accident Model, available at <http://demonstrations.wolfram.com/BilateralAccidentModel/>

Binary Election Sequences, available at <http://demonstrations.wolfram.com/BinaryElectionSequences/>

Certainty Equivalent Wealth, available at <http://demonstrations.wolfram.com/CertaintyEquivalentWealth/>

Constant Elasticity of Substitution Production, available at <http://demonstrations.wolfram.com/ConstantElasticityOfSubstitutionProduction/> (with Kevin Balch)

Cobb - Douglas Production Functions, available at <http://demonstrations.wolfram.com/CobbDouglasProductionFunctions/>

Collocation By Chi Square, available at <http://demonstrations.wolfram.com/CollocationByChiSquare/>

Collocation By Symmetric Conditional Probability, available at <http://demonstrations.wolfram.com/CollocationBySymmetricConditionalProbability/>

Congressional Apportionment Using General Divisor Methods, available at <http://demonstrations.wolfram.com/CongressionalApportionmentUsingGeneralDivisorMethods/>

Constant Risk Aversion Utility Functions, available at <http://demonstrations.wolfram.com/ConstantRiskAversionUtilityFunctions/>

Coordination of Insurance Policies, available at <http://demonstrations.wolfram.com/CoordinationOfInsurancePolicies/>

Current v. Cohort Life Tables and The Regulation of Life Insurance, available at <http://demonstrations.wolfram.com/CurrentVersusCohortLifeTablesAndTheRegulationOfLifeInsurance/>

Death Penalty Regressions, available at <http://demonstrations.wolfram.com/DeathPenaltyRegressions/>

Efficient Single Limit Liability Insurance, available at <http://demonstrations.wolfram.com/EfficientSingleLimitLiabilityInsurance/>

Employer Health Insurance Choices Under H.R. 3590 and H.R. 3962, available at <http://demonstrations.wolfram.com/EmployerHealthInsuranceChoicesUnderHR3590AndHR3962/>

Estimating Insurance Premiums Using Exceedance Data and the Method of Moments, available at <http://demonstrations.wolfram.com/EstimatingInsurancePremiumsUsingExceedanceDataAndTheMethodOf/>

Estimating Loss Functions Using Exceedance Data And The Method Of Moments, available at <http://demonstrations.wolfram.com/EstimatingLossFunctionsUsingExceedanceDataAndTheMethodOfMome/>

Evidentiary Uncertainty, available at <http://demonstrations.wolfram.com/EvidentiaryUncertainty/>

General Assembly Resolution Viewer, available at <http://demonstrations.wolfram.com/GeneralAssemblyResolutionViewer/>

General Divisor Methods, available at <http://demonstrations.wolfram.com/GeneralDivisorMethods/>

Healthcare Reform and Effective Marginal Tax Rates, available at <http://demonstrations.wolfram.com/HealthcareReformAndEffectiveMarginalTaxRates/>

Health - Wealth Tradeoffs, available at <http://demonstrations.wolfram.com/HealthWealthTradeoffs/>

Hurricane Risk by State, available at <http://demonstrations.wolfram.com/HurricaneRiskByState/>

Individual Insurance Decisions under HR 3560 and HR 3962, available at <http://demonstrations.wolfram.com/IndividualInsuranceDecisionsUnderHR3560AndHR3962/>

Insurer Assessments with Tax Credits, available at <http://demonstrations.wolfram.com/InsurerAssessmentsWithTaxCredits/>

Insolvency Setoff, available at <http://demonstrations.wolfram.com/InsolvencySetoff/>

Insurance And Precautions, available at <http://demonstrations.wolfram.com/InsuranceAndPrecautions/>

Insurance Disclosures, available at <http://demonstrations.wolfram.com/InsuranceDisclosures/>

Insurer Ruin, available at <http://demonstrations.wolfram.com/InsurerRuin/>

Iterated Games, available at <http://demonstrations.wolfram.com/IteratedGames/>

Land Use with Contract, available at <http://demonstrations.wolfram.com/LandUseWithContract/>

Lawsuit Settlement Calculator, available at <http://demonstrations.wolfram.com/LawsuitSettlementCalculator/>

Legal Incoherence, available at <http://demonstrations.wolfram.com/LegalIncoherence/>

Liability Insurance Desirability under LogNormal Loss Distributions, available at <http://demonstrations.wolfram.com/LiabilityInsuranceDesirabilityUnderLognormalLossDistribution/>

Liability Insurance Desirability When 'Diminution' is Unlawful, available at <http://demonstrations.wolfram.com/LiabilityInsuranceDesirabilityWhenDiminutionIsUnlawful/>

Life Insurance Pricing, available at <http://demonstrations.wolfram.com/LifeInsurancePricing/>

Life Transitions, available at <http://demonstrations.wolfram.com/LifeTransitions/>

Lorenz Curves and the Gini Coefficient, available at <http://demonstrations.wolfram.com/LorenzCurvesAndTheGiniCoefficient/>

Magic Number Bidding, available at <http://demonstrations.wolfram.com/MagicNumberBidding/>

Measures of Node Prominence on a Network, available at <http://demonstrations.wolfram.com/MeasuresOfNodeProminenceOnANetwork/>

Merger Guidelines, available at <http://demonstrations.wolfram.com/MergerGuidelines/>

Monopoly and Natural Monopoly, available at <http://demonstrations.wolfram.com/MonopolyAndNaturalMonopoly/>

Moral Hazard, available at <http://demonstrations.wolfram.com/MoralHazard/>

Nash Equilibria in 3 x3 Games, available at <http://demonstrations.wolfram.com/NashEquilibriaIn33Games/>

Nash Equilibria with Continuous Strategies, available at <http://demonstrations.wolfram.com/NashEquilibriaWithContinuousStrategies/>

Neighborhood Graphs With HITS and SALSA, available at <http://demonstrations.wolfram.com/NeighborhoodGraphsWithHITSAndSALSA/>

Occurrence versus Claims - Made Insurance Policies, available at <http://demonstrations.wolfram.com/OccurrenceVersusClaimsMadeInsurancePolicies/>

Optimal Consumption Paths, available at <http://demonstrations.wolfram.com/OptimalConsumptionPaths/>

Parameterizing Mathews v. Eldridge, available at <http://demonstrations.wolfram.com/ParameterizingMathewsVersusEldridge/>

Pay the Points?, available at <http://demonstrations.wolfram.com/PayThePoints/>

Payoff Gradients in Two - Player Games, available at <http://demonstrations.wolfram.com/PayoffGradientsInTwoPlayerGames/>

Post Event Bonding, available at <http://demonstrations.wolfram.com/PostEventBonding/>

Predictive Scores and Ultimate Test Passage, available at <http://demonstrations.wolfram.com/PredictiveScoresAndUltimateTestPassage/>

Premium Assistance Calculator for H.R. 3590 and H.R. 3962, available at <http://demonstrations.wolfram.com/PremiumAssistanceCalculatorForHR3590AndHR3962/>

Premium Ratios with Capital Costs Included, available at <http://demonstrations.wolfram.com/PremiumRatiosWithCapitalCostsIncluded/>

Probit and Logit Models with Normal Errors, available at <http://demonstrations.wolfram.com/ProbitAndLogitModelsWithNormalErrors/>

Property Coinsurance, available at <http://demonstrations.wolfram.com/PropertyCoinsurance/>

Reinsurance Cut - Through, available at <http://demonstrations.wolfram.com/ReinsuranceCutThrough/>

Restricted Non-Cooperative Game Theory, available at <http://demonstrations.wolfram.com/RestrictedNonCooperativeGameTheory/>

Retiree Stop-Loss Reinsurance, available at <http://demonstrations.wolfram.com/RetireeStopLossReinsurance/>

Saving for Retirement, available at <http://demonstrations.wolfram.com/SavingForRetirement/>

Sensitivity, Specificity, and Incidence, available at <http://demonstrations.wolfram.com/SensitivitySpecificityAndIncidence/>

Subrogation, available at <http://demonstrations.wolfram.com/Subrogation/> (after work by Alan Sykes)

Supplemental Jurisdiction, available at <http://demonstrations.wolfram.com/SupplementalJurisdiction/> (co-authored with Aaron Bruhl)

Synthetic Legal Precedent Structures : Feature Distance, available at <http://demonstrations.wolfram.com/SyntheticLegalPrecedentStructuresFeatureDistance/>

Synthetic Legal Precedent Structures : Lévy Flight, available at <http://demonstrations.wolfram.com/SyntheticLegalPrecedentStructuresLevyFlight/>

Tail Conditional Expectations, available at <http://demonstrations.wolfram.com/TailConditionalExpectations/>

Tax Rates and Tax Revenue, available at <http://demonstrations.wolfram.com/TaxRatesAndTaxRevenue/>

The 2001 CSO Mortality Tables, available at <http://demonstrations.wolfram.com/The2001CSOMortalityTables/>

The Duty to Settle, available at <http://demonstrations.wolfram.com/TheDutyToSettle/>

The Edgeworth Box, available at <http://demonstrations.wolfram.com/TheEdgeworthBox/>

The effects of coinsurance and deductibles on optimal precautions for Weibull distributed loss, available at

The Efficient Dual Limit Liability Insurance Contract, available at <http://demonstrations.wolfram.com/TheEfficientDualLimitLiabilityInsuranceContract/>

The Equivalent Mileage of an Electric Vehicle with Backup Gasoline Propulsion, available at <http://demonstrations.wolfram.com/TheEquivalentMileageOfAnElectricVehicleWithBackupGasolinePro/>

The Persuasion Effect : A Traditional Two Stage Jury Model, available at <http://demonstrations.wolfram.com/ThePersuasionEffectATraditionalTwoStageJuryModel/>

The Present Value of Future Gas Use, available at <http://demonstrations.wolfram.com/ThePresentValueOfFutureGasUse/>

The Purpose of the Law, available at <http://demonstrations.wolfram.com/ThePurposeOfTheLaw/>

Travel With Waiting Time and Distance Distributions, available at <http://demonstrations.wolfram.com/TravelWithWaitingTimeAndDistanceDistributions/>

Tries, available at <http://demonstrations.wolfram.com/Tries/>

Unilateral Accident Model, available at <http://demonstrations.wolfram.com/UnilateralAccidentModel/>

Visualizing Legal Rules : A Homicide Case, available at <http://demonstrations.wolfram.com/VisualizingLegalRulesAHomicideCase/>

Visualizing Legal Rules : Battle of the Forms, available at <http://demonstrations.wolfram.com/VisualizingLegalRulesBattleOfTheForms/>

Other

A Cycle Index Spreadsheet, available at <http://demonstrations.wolfram.com/ACycleIndexSpreadsheet/>

Baseball Without Swings, available at <http://demonstrations.wolfram.com/BaseballWithoutSwings/>

Cellular Automata on Trivalent Networks, available at <http://demonstrations.wolfram.com/CellularAutomataOnTrivalentNetworks/>

Cellular Automata With Global Control, available at <http://demonstrations.wolfram.com/CellularAutomataWithGlobalControl/>

Cellular Automata with Globally Determined Neighborhoods, available at <http://demonstrations.wolfram.com/CellularAutomataWithGloballyDeterminedNeighborhoods/>

Clustered Power - Law Networks, available at <http://demonstrations.wolfram.com/ClusteredPowerLawNetworks/>

Communities of Nations Bridged by Language Similarity, available at <http://demonstrations.wolfram.com/CommunitiesOfNationsBridgedByLanguageSimilarity/>

Cycles From Permutations, available at <http://demonstrations.wolfram.com/CyclesFromPermutations/>

Dynamic Proximity Networks, available at <http://demonstrations.wolfram.com/DynamicProximityNetworks/>

Enumerating the Directed Graphs, available at <http://demonstrations.wolfram.com/EnumeratingTheDirectedGraphs/> (with additional contributions by Matthew Szudzik and Jesse Nochella)

Exploring with Inset, available at <http://demonstrations.wolfram.com/ExploringWithInset/>

Generating Realistic Baseball Line Scores, available at <http://demonstrations.wolfram.com/GeneratingRealisticBaseballLineScores/>

Genealogy Graphs From XML, available at <http://demonstrations.wolfram.com/GenealogyGraphsFromXML/>

Graph Embedding Trajectories, available at <http://demonstrations.wolfram.com/GraphEmbeddingTrajectories/>

Grouping Country Data, available at <http://demonstrations.wolfram.com/GroupingCountryData/>

Iterative Polygon Simplification, available at <http://demonstrations.wolfram.com/IterativePolygonSimplification/>

Maximum Likelihood Estimators for Binary Outcomes, available at <http://demonstrations.wolfram.com/MaximumLikelihoodEstimatorsForBinaryOutcomes/> (after work by Darren Glosemeyer and J. Scott Long)

Maximum Likelihood Estimators with Normally Distributed Error, available at <http://demonstrations.wolfram.com/MaximumLikelihoodEstimatorsWithNormallyDistributedError/>

Mixing Colors with Blend, available at <http://demonstrations.wolfram.com/MixingColorsWithBlend/>

Random Ayclic Networks, available at <http://demonstrations.wolfram.com/new.html>

Randomly Reducing Objects to Spheres, available at <http://demonstrations.wolfram.com/RandomlyReducingObjectsToSpheres/>

Shakespearean Networks, available at <http://demonstrations.wolfram.com/ShakespeareanNetworks/>

Shakespearean Play Summaries, available at <http://demonstrations.wolfram.com/ShakespeareanPlaySummaries/>

Sports Seasons Based on Score Distributions, available at <http://demonstrations.wolfram.com/SportsSeasonsBasedOnScoreDistributions/> (with additional contributions by Theodore Gray)

Stable Marriages, available at <http://demonstrations.wolfram.com/StableMarriages/>

State Population Growth, available at <http://demonstrations.wolfram.com/StatePopulationGrowth/>

Stock Price Envelopes, available at <http://demonstrations.wolfram.com/StockPriceEnvelopes/>

The Sampling Distribution of a Sampling Quantile, available at <http://demonstrations.wolfram.com/TheSamplingDistributionOfASamplingQuantile/>

The Sensitivity of Page Rank to Connection Errors, available at <http://demonstrations.wolfram.com/TheSensitivityOfPageRankToConnectionErrors/>

Travel Time with Waiting and Distance Distributions, available at <http://demonstrations.wolfram.com/TravelTimeWithWaitingAndDistanceDistributions/>

Turing Snakes, available at <http://demonstrations.wolfram.com/TuringSnakes/>

Visualizing the Coarse Graining of a Cellular Automaton, available at <http://demonstrations.wolfram.com/VisualizingTheCoarseGrainingOfACellularAutomaton/>

Visualizing Turing Machine Enumeration, available at <http://demonstrations.wolfram.com/VisualizingTuringMachineEnumeration/>

□ **Videos**

Available for download and stream at [http : /www.law.uh.edu/polac/resources/homepage.php](http://www.law.uh.edu/polac/resources/homepage.php)

Mathematica Problem Set 1 Parts 1-10 (2011)

Understanding Mathematica Expressions (2011)

Sensitivity Specificity Incidence ROC (2011)

Quiz 1 Analytic Methods Fall 2011 (2011)

Very Basic Descriptive Statistics Problem Set (2011)

Chi Square Analysis (2011)

Forensic Regression Parts 1 - 2 (2011)

Understanding Regression (2011)

Simple Settlement (2011)

Evaluating Lotteries Parts 1 - 3 (2011)

Hypothesis Testing Problem Set (2011)

Statistical Distributions Movie (2011)

Quiz 2 (2011)

Quiz 3 (2011)

□ **Editorial Responsibilities**

Update on Health, monthly newsletter of the Health Law & Policy Institute for the Texas legislature

Health Law News, biannual publication on developments at the Health Law & Policy Institute and special section on health law

Control Measures and Public Health Emergencies : A Texas Bench Book, special 130 - page publication of the Health Law & Policy Institute designed to provide guidance to Texas courts during a public health emergency

Special Legislative Briefings for the Texas Legislature

2006-07: HIPAA Preemption and Texas Law, Texas Advance Directives Act, EHR Liability Issues (Electronic Records), Prison Condom Distribution, EMS Services, Medical Peer Review, A General Primer on the State Children's Health Insurance Program, Analysis of Treat to Transfer Provisions in Ten States, Capital Punishment, Consumer Directed Health Care and Transparency, Chiropractice Scope of Practice, Criminal Competency, Electronic Health Records, Health Care Access Under Medicaid, Patient Privacy Rights, Prison Nursery Programs, Proposed Rvisions to the Texas Advance Directives Act, Remedies for Inappropriate Release of PHI, Wards of the State and Experimental Trials

2005 - 06 : Medicare Legislation (Part D), Regulating Mobile Food Vendors, Mental Health Courts, Laser Hair Removal, Anabolic Steroids, Eating Disorders and Mental Health Coverage Limitations, Health Care Center Surge Capacity - Public Health Disaster, Command & Control - Public Health Disaster, Quarantine - Public Health Disaster, Financial Access - Public Health Disaster, Elder Autonomy - Long Term Care, Recent Federal Changes - Medicaid, Recent Changes - State Medicaid Programs, Long-Term Care Insurance, Addressing Obesity Through Nutrition and Physical Activity Plan, Advance Directives

2004 - 05: Medical Savings Accounts, Medicare Legislation (Part D), Abortion-related Statutes, "Not Buiilty By Reason of Insanity" Criminal Defense, Drug Use During Pregnancy, Regulation of Optometry, Scope of Practice, Health Care Providers' Right of Refuse to Treat Patients, Preliminary Report: Long Term Care in Texas, Senate Bills 1577 and 1381 Relating to Abortion, The Singapore Model of Health Care Financing, Standardization of Health Care Reimbursement Claim Forms Submitted to Texas Health Plans, Impact on of Key Provisions of

Medicare Prescription Drug, Improvement and Modernization Act of 2003, Health Saving Accounts & High Deductible Health Plans

□ **Speaking Engagements**

Modeling Public Pensions with Mathematica and Python, Wolfram Technology Conference (Champaign, Illinois, October 2013)

Machine Learning Supreme Court Behavior, ReinventLaw Dubai 2012 Conference (Dubai, December 2012)

JLink without Java or Mathematica with .class Wolfram Technology Conference (Champaign, Illinois, Oct.2012)

A Look At Power in the American Electoral College : Applied Intermediate Mathematica, 11th International Mathematica Symposium (University College, London, June 2012)

Evolving Binary Decision Trees That Sound Like Law, Genetic Programming Theory and Practice Workshop 2012 (Center for the Study of Complex Systems, University of Michigan (May 2012) (Keynote speech)

Insurance Justice with Two Dimensional Underwriting, Wolfram Technology Conference (Champaign, Illinois, Oct. 2011)

Opening Computations in Law (Inaugural Workshop of the Program on Law and Computation, Houston, 2011)

Comparative Long Term Care Insurance (University of British Columbia Law School, 2010)

Simulating Insurance Justice (Wolfram Technology Conference, Champaign, Illinois October 2010)

The possibilities for improving the disgraceful state of legal data (Washington, D.C., September 2010)

Network Theory as Part of a Program on Law and Computation (Networks Group, Houston, 2010)

Insurance and Its Regulation : An initial project of the Program on Law and Computation, (Opening Keynote Address to the Tenth International Mathematica Symposium, Beijing July 2010)

The CLASS Act : What Went Wrong, Health Law Teacher's Conference (Austin, June 2010)

Celebrating 100 Demonstrations, University of Houston Law Center (April 2009)

Testimony on The Texas Windstorm Insurance Association, House Insurance Committee (Austin, 2009)

Insurance Regulation: The Case for a Trade, at Homeowners and Hurricanes : Modernizing the Insurance Marketplace (Austin, January 2008)

Demonstrating Insurance, American Association of Law Schools Insurance Law Section (New York, January 2008) (poster presentation)

Policy Primer : A Windstorm Insurance Crisis in Texas (Austin, September 2007)

Restricted Non - Cooperative Games, 7th International Conference on Computational Science (Beijing, May 2007)

Comencement Speaker, Loyola (New Orleans) Law School (New Orleans, May 19, 2006)

The Network Structure of the Law, Law in the Age of Networks: Implications of Network Science for Legal Analysis (University, Illinois, March 10, 2006)

The Network Structure of The Law, University of Texas School of Law (*Faculty Colloquium* November 2005)

The Network Structure of the Uniform Commercial Code: It's a Small World After All (Champaign, Illinois October 2005)

State of the City: Public Policy Forum, Houston Area Urban League (Houston, September 2005)

- The Network Structure of Supreme Court Jurisprudence* (Seventh International Mathematica Symposium, University of Western Australia, Perth Australia, August 2005)
- Cellular Automata on Cubic Graphs* (New Kind of Science Summer School, Brown University, July 2005)
- How to Give An Interdisciplinary Talk at a Mathematica Conference* (New Kind of Science Summer School, Brown University, July 2005)
- How to Write Efficient Mathematica Code* (New Kind of Science Summer School, Brown University, July 2005)
- State of the City: Public Policy Forum*, Houston Area Urban League (Houston, September 2004)
- Using Mathematica's Global Optimization Technique to Understand Legal Rules: Towards a Better Liability Insurance Contract*, to be presented at Wolfram Technical Conference, October 2004 (Champaign, IL)
- Exploring Computational Irreducibility and the Predictability of Complex Systems Using Mathematica*, presented at NKS2004 (Waltham, Massachusetts)
- GCANs: Global Cellular Automaton Networks*, presented at NKS2004 (Waltham, Massachusetts)
- "Simpler Games: Using Cellular Automata to Model Social Interaction", Fifth Annual *Mathematica* Symposium (London 2003)
- "Cellular Automata Extended to Regular Graphs: Applications to Social Sciences" NKS2003 Conference and Mini-course (Waltham, Massachusetts 2003)
- "Foggy Game Theory," Fourth International Mathematica Symposium (Tokyo 2001) (keynote address)
- "The Texas-Aetna Settlement," Houston Bar Association Health Law Section, (Houston 2001)
- Speaker, "The Insurance / Genetic Testing Debate", Texas Association of Insurance Officers (San Antonio, July 2000)
- "Visualizing Adverse Selection", American Society of Law and Medicine Health Law Teacher's Conference (Cleveland, June 2000)
- "What Actuaries Can Contribute to the Debate About Genetic Testing Confidentiality", Southwestern Actuaries Association Annual Meeting (Galveston, June 2000)
- "Automata Containing Evolutionary Algorithms: Behavior and Learning Under Law", Third International *Mathematica* Symposium (Linz, Austria, August 1999)
- "Using Mathematica To Teach Law and Economics", 1999 Conference for Law School Computing (Eugene, Oregon, June 1999)
- "Teaching Health Law with Pending Legislation -- And A Little Technology Too," American Society of Law, Medicine & Ethics, 19th Annual Health Law Teachers' Conference (Houston, June 1998)
- "Modeling Law", Second International Mathematica Symposium (Rovaniemi, Finland, July 1997)
- "Voting Rights," Second Annual Frankel Lecture (Houston, January 1998) (moderator)
- "Allocation of Insurance for Temporally Fuzzy Liability", American Association of Law Schools (San Antonio, Texas, January 1996)
- "Tort Law and Economics Using Lottery Package and Simulated Annealing," Advanced Mathematica Developer's Conference (Champaign-Urbana, October 1995)
- "Insurance Insolvency Issues in Professional Malpractice Actions," 6th Annual Medical Malpractice Conference of the Texas Trial Lawyer's Association (Houston, September, 1995)
- "Visualizing Moral Hazard," Computing in Economics and Finance Workshop, International Federation of Automatic Control, (Amsterdam, The Netherlands 1994)
- "Insurance Law" (Continuing Legal Education Program of University of Houston Law Foundation, 1994) (Moderator)

"Visualizing Moral Hazard", Advanced Mathematica Developers Conference (Champaign-Urbana, 1994)

■ Other Legal Experience

Retained as expert by City of Dallas regarding insurance and defense obligations; Retained as expert in lawsuit involving Texas Windstorm Insurance Association adjustment of claims; Retained as expert in case involving obligations of umbrella insurers and enforceability to policy exclusions; Retained as expert in arbitration regarding alternative dispute resolution agreement; Retained as expert for plaintiffs' in cases involving corporate owned life insurance; retained as consulting expert in Lance Armstrong Prize arbitration on the definition of insurance; testified at deposition as expert in Cannon Films v. Insurance Company of the State of Pennsylvania, Los Angeles Superior Court No. BC026466 regarding coordination of aviation and general liability insurance policies in coverage case arising out of multiple fatality helicopter crash occurring during filming of Delta Force II; testified at deposition as expert in P.T. Freeport Indonesia Co. v. Houston Casualty Co., Harris County No. 93-25010 regarding legality of claims adjustment practices following catastrophic Indonesian pipeline failure under business interruption policy; testified at deposition as expert in Beard v. Liberty Mutual Ins. Co., (S.D. Tex. No. H-93-2365) regarding insured's compliance with notice conditions in excess and primary liability policies; testified at deposition as expert in Robert V. Jones Corp. v. Mt. Hawley Insurance Co, on enforceability of "your work" exclusion; testified as an expert in Rhodes Design & Development Corp. v. RLI Insurance, on enforceability of "your work" exclusion. Testified at trial as expert in divorce dispute on value of life insurance policy prior to death of insured. Consulting expert on duty to settle in American Management Systems, Inc. and Federal Ins. Co. v. National Union Fire Ins. Co. of Pennsylvania, Cause No 3:00CV682BN. Consulting expert on duty to settle in Mississippi case involving conflict among primary and excess insurers. (Confidentiality agreement prevents elaboration). Consulting expert in cases involving statistical review of TWIA adjusting practices (2011).

Associate, Munger, Tolles & Olson, Los Angeles, California (1986-1990)

Associate, Williams & Connolly, Washington, D.C. (1984-86)

Judicial Law Clerk, Hon. Edward R. Becker, United States Court of Appeals for the Third Circuit (1983-84)

Summer Associate, McCutcheon, Doyle, Enerson & Brown, San Francisco, California (1982)

Summer Associate, Squire, Sanders & Dempsey, Washington, D.C. (1981)

■ Other Employment

Consultant, The Novim Group (summer 2013) (consultant on development of public domain software designed to create interactive open model of public defined benefit pension plans from both employee and employer perspectives)

Visiting Scholar, Wolfram Research, Champaign, Illinois (summer 1996)

Director of Analysis, Penn & Schoen Associates, New York, N.Y. (1979-80)

■ Active Bar Admissions

California, 1986-present

■ Miscellaneous

Technical Innovator Award, 2011, Wolfram Research; First Place, 2003 Mathematica Programming Competition, Mathematica Developers' Conference, Champaign, Illinois 2003 (problem involving contraction of point clusters in n-dimensional space; results) (available as *Mathematica*

notebook at <http://library.wolfram.com/infocenter/Conferences/4829/> and reprinted in PDF format at <http://www.law.uh.edu/faculty/schandler/scholarship/scholarship.htm>); Honorable Mention, 2001 *Mathematica* Programming Competition, *Mathematica* Developers' Conference, Champaign, Illinois 2001 (problem involving Type B Eden Models) (available as *Mathematica* notebook at <http://library.wolfram.com/infocenter/Conferences/4829/> and reprinted in PDF format at <http://www.law.uh.edu/faculty/schandler/scholarship/scholarship.htm>)

Married with three children (ages 25, 14 and 13)