

**DAVID E. ADELMAN**  
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## EDUCATION

### **STANFORD LAW SCHOOL, Stanford, California, J.D., 1996**

**Activities:** Executive Editor, *Stanford Environmental Law Journal*; Steering Committee, Stanford Community Environment Project; Research Assistant to John H. Barton.

### **STANFORD UNIVERSITY, Stanford, California, Ph.D., Chemical Physics, 1993**

**Research:** Graduate research assistant with Richard N. Zare. Investigated the dynamics of gas-phase, bimolecular chemical reactions using laser-based detection methods to identify potential quantum effects in the dynamics of several model systems. Dissertation: *"Experimental Investigations of Hot Hydrogen Atoms With Molecular Hydrogen and Water."*

### **REED COLLEGE, Portland, Oregon, B.A., Chemistry/Physics, 1988**

**Activities:** Senior Thesis Project, *"Spectral Maneuvers in the Dark: A Resonance Raman Study of Backbonding in Transition Metal Complexes,"* 1987-88; Elected to the Student Caucus and Senate, 1987-88; Teaching Assistant, Chemistry and Physics Departments, 1986-88.

## ACADEMIC POSITIONS

### **THE UNIVERSITY OF TEXAS SCHOOL OF LAW, AUSTIN, TX, 2009-present**

Harry Reasoner Regents Chair in Law. Research focuses on the many interfaces between law and science; work has involved evaluating the environmental impacts and regulatory issues relating to new technologies and assessing the impacts of intellectual property regimes on scientific research in the United States.

### **UNIVERSITY OF ARIZONA, JAMES E. ROGERS COLLEGE OF LAW, Tucson, AZ, 2001-2009**

Associate Professor of Law and Director of Law, Science & Technology Initiatives.

Courses Taught: Advanced Topics in Environmental Law & Advocacy; Colloquium on Technology, Innovation and Intellectual Property Policy; Environmental Law; Law & Science; Patent Law, Intellectual Property Law, Intellectual Property Transactions.

### **UNIVERSITY OF MINNESOTA LAW SCHOOL, Minneapolis, MN, Fall 2006**

Visiting Associate Professor. Look-see visit; tenured offer received but declined.

## EMPLOYMENT

### **NATURAL RESOURCES DEFENSE COUNCIL, Washington, D.C., 1998-2001**

Senior Attorney in the Nuclear and Public Health programs. Activities included litigating complex environmental cases, presenting congressional testimony and lobbying, advocating on issues related to regulation of toxic substances and radioactive wastes.

Appointments: Department of Energy's Environmental Management Advisory Board and two National Academy of Sciences committees.

### **COVINGTON & BURLING, Washington, D.C., 1997-98**

Associate. Practice focused on intellectual property litigation, environmental regulatory compliance matters, and proposed international regulations under the Kyoto Protocol on climate change.

### **HON. SAMUEL CONTI, UNITED STATES DISTRICT COURT, San Francisco, 1996-97**

Judicial clerkship. Case work involved a full civil docket, including several complex intellectual property matters; wrote bench memoranda and draft opinions.

## HONORS & AWARDS

McGuire Technology Transfer Fellow, Eller College, University of Arizona, 2006

Juris Doctorate awarded with Distinction, 1996

Stanford Kennedy Public Service Summer Fellowship, 1994

National Science and Engineering Research Council of Canada (NSERC) Postdoctoral Fellowship, 1993

NSERC Postgraduate Scholarship, 1990-93

Phi Beta Kappa, 1988

Reed College DuPont Graduate Scholar in Chemistry, 1988

American Institute of Chemists Student Research Award of Merit, 1988

NSERC Summer Research Scholarship, 1987

Summer Research Fellowship, Weizmann Institute of Science, Israel, 1986

## NATIONAL SERVICE

Scholar, Center for Progressive Reform, Washington, D.C., 2004-present. Member of the Clean Science Committee. Participant in meetings, writing projects, and strategic development.

Outside Reviewer, National Research Council. Reviewed reports titled "Improving the Regulation and Management of Low-Activity Radioactive Wastes," 2005; "Progress Toward Risk-Based Approaches for Disposal of Transuranic and High-Level Radioactive Waste," 2004; "Improving the Regulation and Management of Low-Activity Radioactive Wastes," 2003; and "Biological Confinement of Genetically Engineered Organisms," 2003.

## SCHOLARSHIP

D.E. Adelman & I.J. Duncan, *The Limits of Liability in Promoting Safe Geologic Storage of CO<sub>2</sub>*, Duke Univ'l L. & Pol. F. (forthcoming Fall 2011).

- D.E. Adelman, *Climate Change, Federalism, and Promoting Technological Change*, in BEYOND ENVIRONMENTAL LAW (2010).
- D.E. Adelman, *A Cautiously Pessimistic Appraisal of Trends in Toxics Regulation*, 30 Wash. J. Law & Policy 377 (2010).
- D.E. Adelman & C.M. Holman, *Misplaced Fears in the Legislative Battle over Affordable Biotech Drugs*, 50 IDEA 565 (2010).
- D.E. Adelman, *The Challenge of Abrupt Climate Change for Environmental Law and Science*, 58 Emory L.J. 101 (2008).
- D.E. Adelman & Kirsten H. Engel, *Reorienting State Climate Change Policies*, 50 Arizona L. Rev. 835 (2008).
- D.E. Adelman & Kirsten H. Engel, *Adaptive Federalism: The Case Against Reallocating Environmental Regulatory Authority*, 92 Minn. L. Rev. 1797 (2008).
- D.E. Adelman & Kirsten H. Engel, *Adaptive Environmental Federalism*, in PREEMPTION CHOICES 277 (William Buzbee, ed., 2008).
- The Art of the Unsolvable: Locating the Vital Center of Science for Environmental Law & Policy*, 37 Env'tl. L. 935 (2007).
- D.E. Adelman & K.L. DeAngelis, *Patent Metrics: The Mismeasure of Innovation in the Biotech Patent Debate*, 85 Texas Law Review 1677 (2007).
- D.E. Adelman, *Reassessing the Anticommons Debate in Light of Biotechnology Patent Trends in Intellectual Property and Information Wealth* (Peter Yu, ed., 2006).
- D.E. Adelman, *Two Models for Scientific Transparency in Environmental Law*, in RESCUING SCIENCE FROM POLITICS 193 (Wendy E. Wagner & Rena Steinzor, eds., 2006).
- D.E. Adelman, *A Fallacy of the Commons in Biotech Patent Policy*, 20 Berkeley Tech. Law Journal 985 (2005).
- D.E. Adelman, *The Irrationality of Speculative Gene Patents*, in UNIVERSITY ENTREPRENEURSHIP AND TECHNOLOGY TRANSFER: PROCESS, DESIGN, AND INTELLECTUAL PROPERTY 123 (Gary D. Libecap, ed., 2005).
- D.E. Adelman, *The False Promise of the Genomics Revolution for Environmental Law*, 29 Harvard Environmental Law Review 117 (2005).
- D.E. Adelman, *Scientific Activism and Restraint: The Interplay of Statistics, Judgment, and Procedure in Environmental Law*, 79 Notre Dame Law Review 497 (2004).
- D.E. Adelman, *Harmonizing Methods of Scientific Inference With the Precautionary Principle: Opportunities and Constraints*, 34 Environmental Law Reporter 10131 (2004).
- D.E. Adelman, *Reforming United States Environmental Regulations for Agriculture: Impediments and Opportunities in AGRICULTURE AND INTERNATIONAL TRADE: LAW, POLICY AND THE WTO* (Michael N. Cardwell, et al., eds., 2003).
- D.E. Adelman & J.H. Barton, *Environmental Regulation for Agriculture*, 21 Stanford Environmental Law Journal 3 (2002).
- R. Fei, D.E. Adelman, Tucker Carrington, C.H. Dugan, S.V. Filseth, *Rotational Energy Transfer Collisions Between CN(X, v=2) and Argon*, Journal of Physical Chemistry, Vol. 232, 547 (1995).
- D.E. Adelman, H. Xu, R.N. Zare, *Integral Rate Constant Measurements of the reaction  $H + D_2 \rightarrow HD(v'=1, j')$  at High Collision Energies*, 203 Chemical Physics Letters 773 (1993).
- D.E. Adelman, S.V. Filseth, R.N. Zare, *Integral Cross Section Measurements for the Reaction  $H + D_2O \rightarrow HD(v', j') + OD$* , 98 J. Chemical Physics 4636 (1993).

D.E. Adelman, N.E. Shafer, D.A.V. Kliner, R.N. Zare, *Measurements of Relative State-to-State Rate Constants for the Reaction  $D + H_2(v,j) \rightarrow HD(v',j') + H$* , 97 J. Chemical Physics 7323 (1992).

D. Neuhauser, R.S. Judson, D.J. Kouri, D.E. Adelman, N.E. Shafer, D.A.V. Kliner, R.N. Zare, *State-to-State Rates for the Reaction  $D + H_2(v=1,j=1) \rightarrow HD(v',j') + H$* , 257 Science 519 (1992).

D.A.V. Kliner, D.E. Adelman, R.N. Zare, *Comparison of Experimental and Theoretical Integral Cross Sections for  $D + H_2(v=1,j=1) \rightarrow HD(v'=1,j') + H$* , 95 J. Chemical Physics 1648 (1991).

D.A.V. Kliner, K.-D. Rinnen, M.A. Buntine, D.E. Adelman, R.N. Zare, *Product Internal-State Distributions for the Reaction  $H + HI \rightarrow H_2 + I$* , 95 J. Chemical Physics 1663 (1991).

D.A.V. Kliner, D.E. Adelman, R.N. Zare, *The  $H + para-H_2 \rightarrow H_2$  Reaction: Influence of Dynamical Resonances on  $H_2(v'=1,j'=1$  and  $3$ ) Integral Cross Sections*, 94 J. Chemical Physics 1069 (1991).

D.E. Adelman and D.P. Gerrity, *UV Resonance Raman Studies of Group 6 Transition-Metal Carbonyls: Evidence of Jahn-Teller Distortion in the Excited States of the Lowest Allowed Charge-Transfer Transitions*, 94 J. Physical Chemistry 4055 (1990).

### **BAR ADMISSIONS**

Admitted to the Bar in California and the District of Columbia.