

Michael A. Levy

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Education

2017 (anticipated) PhD in Ecology: Environmental Policy and Human Ecology, University of California, Davis

2012 MS in Biology, West Virginia University

2004 BS in Chemistry, Fort Lewis College

Publications

PEER-REVIEWED PUBLICATIONS

In review Mark Lubell, **Michael Levy**, Aseem Prakash, and Matt Potoski. Clubs Old and New: Social Networks and Participation in Voluntary Environmental Programs.

2014 **Michael Levy** and Jonathan Cumming. Development of soils and communities of plants and arbuscular mycorrhizal fungi on West Virginia surface mines. *Environmental Management* 54(5): 1153-1162.

NON-REFEREED PUBLICATIONS

2015 **Michael Levy** and Matthew B. Hoffman. Lodi rules for sustainable winegrowing certification program, 2015 report.

2013 **Michael Levy**. Integrating science, management, and policy for the future of water in California. *Eos*, 94(29): 256

2013 **Michael Levy**, Matthew B. Hoffman, A. Vicken Hillis, and Mark N. Lubell. Sustainability certification: Why do vineyards participate? Policy Brief for UC Davis Policy Institute.

2013 **Michael Levy**. Measure I is our best option for necessary water improvements. *The Davis Enterprise*, February 10, 2013: A15

2010 - 2012 **Michael Levy**. Weekly environmental science and policy opinion column. *The Daily Athenaeum*, 124(12) - 125(94)

Presentations

INVITED TALKS

2015 **Michael Levy**. Predicting interdependence: Inference from exponential random graph models of social networks. Statistical Methodology in the Social Sciences Conference, UC Davis Institute for Social Sciences, Davis CA

- 2015 **Michael Levy**. Exponential random graph models for statistical inference on networks. Statistical Sciences Symposium, UC Davis Department of Statistics, Davis CA
- 2014 **Michael Levy**. dplyr: Data manipulation in R made easy. Davis R-Users' Group, Davis CA

PROFESSIONAL CONFERENCES

- 2015 **Michael Levy** and Mark Lubell. Innovation and cooperation in the structure of agriculture information networks. American Political Science Association Annual Meeting, San Francisco CA
- 2015 **Michael Levy** and Mark Lubell. Innovation and cooperation in agricultural information networks. Political Networks Conference, Portland, OR
- 2015 **Michael Levy**. Cultural multilevel selection and social networks in sustainable viticulture. Biennial Global Conference: International Association for the Study of the Commons, Edmonton AB, Canada
- 2014 **Michael Levy**. Cultural diffusion and polarization: An agent-based model. Center for Advanced Modeling Graduate Workshop, Baltimore MD
- 2014 **Michael Levy**, Matthew B. Hoffman, A. Vicken Hillis, and Mark N. Lubell. Who joins the club? Learning pathways for sustainable agriculture certification. Environmental Politics Conference, Santa Barbara CA
- 2014 **Michael Levy**, Matthew B. Hoffman, A. Vicken Hillis, and Mark N. Lubell. Sustainable agriculture certification: Who's joining? Interdisciplinary Graduate and Professional Symposium, Davis CA
- 2011 **Michael Levy** and Jonathan R. Cumming. Development of soil, biodiversity, and arbuscular mycorrhizae on pasture-reclaimed surface mines in Appalachia. Annual Meeting of the Ecological Society of America, Austin TX
- 2011 **Michael Levy** and Jonathan R. Cumming. What happens after the mining is done? Development of soils and biodiversity on reclaimed surface mines. Science and Technology in Society, Morgantown WV

OUTREACH PRESENTATIONS

- 2014 **Michael Levy**. Environmental certifications among viticulturists. Lodi Winegrape Commission, Davis CA
- 2012 **Michael Levy**. Stripping wild and wonderful: Truths and myths about surface mining in West Virginia. Science on Tap public science forum, Morgantown WV
- 2011 **Michael Levy** and Terence Houston. Weighing the long-term implications of mountaintop removal mining. Ecological Society of America podcast, The Ecologist Goes To Washington
- 2011 Bob H. Baber, Ted Boettner, **Michael Levy**, and Jeff G. Skousen. Coal: The lifeblood of West Virginia? Democracy Matters panel discussion, Morgantown WV

Awards

- 2015** Professors for the Future Fellowship, UC Davis
- 2014** Fire on the Fringe, SESYNC Graduate Student Pursuit (co-PI)
- 2014** Sustainable Agriculture Scholarship, Annie's Homegrown
- 2014** Henry A. Jastro Research Award, UC Davis College of Agricultural and Environmental Sciences
- 2012** Climate Change, Water, and Society, Integrative Graduate Education Research Traineeship, National Science Foundation
- 2012** Ecology Fellowship, UC Davis Graduate Group in Ecology
- 2011** Graduate Student Policy Award, Ecological Society of America
- 2009** HERF Supplementary Fellowship, West Virginia University
- 2004** Senior Award, Fort Lewis College, Department of Chemistry
- 2003** Callendar Chemistry Scholarship, Fort Lewis College
- 2003** Research Experience for Undergraduates, National Science Foundation

Teaching Experience

UNIVERSITY OF CALIFORNIA, DAVIS

- 2015** Instructor, R Bootcamp. Developed and taught one-week, 30-classroom hour intensive introduction to the statistical programming language R. Attended by 200 graduate students and post-docs
- 2015** Co-Instructor, Data Carpentry Workshop
- 2013** Organizer and Lead, Seminar on agent-based models for the study of coupled human and natural systems

INTERUNIVERSITY CONSORTIUM FOR POLITICAL AND SOCIAL RESEARCH (ICPSR)

- 2015** Teaching Assistant, Introduction to Social Network Analysis in R

WEST VIRGINIA UNIVERSITY

- 2011** Teaching Assistant, Environmental Biology Laboratory
- 2010 - 2011** Teaching Assistant, Biology Capstone Course: Total Science Experience
- 2009 - 2010** Teaching Assistant, Principles of Biology Laboratory

OTHER

- 2008 - 2009** English as a Foreign Language Teacher, Dogye Elementary School, Gangwon-do South Korea

2007 - 2008 MCAT Instructor, The Princeton Review, Boulder CO

2005 - 2006 English as a Foreign Language Teacher, Han Yun Sik English Academy, Busan South Korea

FORT LEWIS COLLEGE

2004 Teaching Assistant, Organic Chemistry Laboratory

2003 Teaching Assistant, Analytical Chemistry Laboratory

2001 - 2003 Teaching Assistant, General Chemistry Laboratory

Additional Education

2015 Instructor training, Software Carpentry, Davis CA

2014 Social Media and Socio-Environmental Systems. SESYNC workshop, Annapolis MD

2013 Multi-platform International Summer School on Agent-Based Modeling and Simulation. Cirad, Montpellier France

2011 Becoming the Messenger. Science communication training, National Science Foundation, Morgantown WV

2011 Lobbying Congress for Science, Biological Ecological Sciences Coalition, Washington DC

Service

UC DAVIS

2015 - Administrator, Davis R Users' Group

2015 - Founder & Administrator, Interdisciplinary Network Science Group

2013 - Member, Admissions Committee, Graduate Group in Ecology

2015 Graduate Student Representative, Climate Policy Faculty Search Committee, Department of Environmental Science and Policy

2015 Mentor, Dustan Li Undergraduate Research Project

2013 Mentor, AggieMentors high school student research program

2013 Organizer, Future of Water in California Conference

2013 Delegate, UC Day in DC

WEST VIRGINIA UNIVERSITY

2010 - 2011 Mentor, Kylen Whipp Undergraduate Honors Thesis

FORT LEWIS COLLEGE

2003 - 2004 President, Chemistry Club

2002 - 2004 Co-Founder, Green Chemistry

2002 - 2004 President and Vice President, Uniting Students through Wellness