



2018

10TH ANNUAL CONFERENCE
AND MEETING

Society for
Benefit-Cost Analysis

IMPROVING
THE
of Benefit-Cost Analysis
THEORY & PRACTICE

March 14-16 | The George Washington University Marvin Center, Washington, DC



spea.indiana.edu

- **#1 MPA, U.S. News & World Report (2017)**
#1 Public Finance and Budgeting, #1 Environmental Policy and Management, #1 Nonprofit Management
- Newly opened Paul H. O'Neill Graduate Center
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SPEA's research and teaching faculty of more than 190 include these scholars:



John D. Graham, Dean



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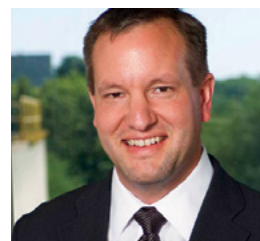
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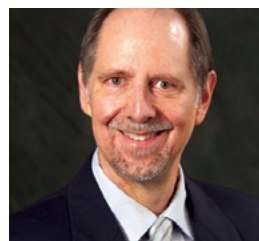
Denvil Duncan



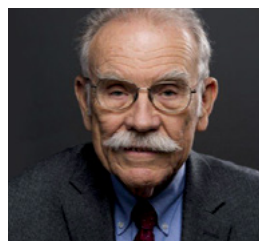
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WELCOME

Dear friends and colleagues,

Welcome to the **2018 Society for Benefit-Cost Annual Conference and Meeting!** We have 42 excellent sessions on a wide range of topics. The presentations reflect the global scope of our field and Society and report research from Canada, China, Côte d'Ivoire, East Africa, the European Union, France, Germany, Haiti, India, Italy, the Netherlands, Sudan, Uruguay, the U.S., and the World Bank. The Society continues to grow and flourish thanks to your support.

In addition to the panels, we hope you enjoy networking at our evening receptions on Wednesday through Friday. At lunch on Thursday we will welcome keynote speaker, Tomas Philipson, Daniel Levin Professor of Public Policy Studies at the University of Chicago Harris School of Public Policy and Member of the White House Council of Economic Advisors. He will speak on "The Economics of the Opioid Epidemic." On Friday morning, we will have a plenary session where Office of Information and Regulatory Affairs Administrators Sally Katzen (1993 – 1997), John Graham (2001 – 2006), Sudan Dudley (2007 – 2009), and Howard Shelanski (2013 – 2017) will share their experience. On Friday over lunch we will have our membership meeting, which will include discussion of our plans for continued growth. Please feel free to contact any of us with your suggestions and ideas.



Donald Kenkel
President, Conference Chair



Clark Nardinelli
Vice President



Lynn A. Karoly
Past President

We are enormously indebted to the members of the 2018 Program Committee, whose hard work contributed to the varied and interesting program:

Daniel Acland (*University of California - Berkeley*)

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Joseph Devlin (*Environment and Climate Change Canada*)

Mark Dickie (*University of Central Florida*)

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Judy Temple (*University of Minnesota*)

Emile Quinet (*Ecole des Ponts-Paris*)

W. Kip Viscusi (*Vanderbilt University*)

Daniel Wilmoth (*U.S. Small Business Administration*)

We would also like to thank **American Chemistry Council**, **ExxonMobil** and the **GWU Regulatory Studies Center** for helping to sponsor this conference. We also thank our Organizational Affiliates, Premium Members and individual donors, who are listed on the following pages.

And finally, we would like to thank you, SBCA's members and participants, for your many contributions to the Society, to this conference, and to the field of BCA. We hope that we will see you at future conferences and other Society events.

CONFERENCE SPONSORS

Conference support is provided by:



Regulatory
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MARCH 13 – 15, 2019 | WASHINGTON, DC



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Job Opening at The Pew Charitable Trusts

The Pew-MacArthur Results First Initiative seeks a technical assistance officer to work with selected state and local governments to help them understand and use evidence, primarily by customizing a benefit-cost model. The officer will also help develop and implement related resources. Candidates should have at least eight years of relevant work experience, knowledge of evaluation methodologies, and demonstrated training or teaching experience.

For more information, please visit pewtrusts.org/careers and search for job ID 2017-5309 or contact sscott@pewtrusts.org.



[@PewStates](https://twitter.com/PewStates) pewtrusts.org/careers



Donald Kenkel
President,
Conference Chair

Founded in 2007, the Society is an international organization dedicated to the advancement, exchange of ideas, and research related to benefit-cost analysis (BCA), cost-effectiveness analysis, risk-benefit analysis, applied welfare economic analysis, and damage assessment.

The Society's primary goals are:

- › Bring together individuals from diverse disciplines and from different countries and provide them opportunities to foster collaboration and exchange information, ideas, and methodologies;
- › Encourage applications of benefit-cost analysis and applied welfare economics, and promote dialogue between practitioners;
- › Facilitate the development and dissemination of knowledge about benefit-cost and applied welfare analysis;
- › Develop and update standards of practice; and
- › Foster methods to improve communication and consideration of benefit-cost methods and results.

2018 BOARD OF DIRECTORS

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The Society for Benefit-Cost Analysis has a continuously growing membership working in numerous policy areas, including scholars and practitioners from academia, nonprofits, businesses, and government agencies around the world. The table below summarizes the benefits associated with each level of annual organizational and individual participation.

BENEFITS	ORGANIZATIONAL AFFILIATE				INDIVIDUAL			
	Benefactor \$10,000	Sustainer \$5,000	Patron \$2,500	Supporter \$1,000	Premium \$200	Basic \$120	International \$50	Student \$25
Receive announcements about Society events	✓	✓	✓	✓	✓	✓	✓	✓
Complimentary digital subscription to Journal of Benefit-Cost Analysis	✓	✓	✓	✓	✓	✓	✓	✓
Access to member contact information	✓	✓	✓	✓	✓	✓	✓	✓
Eligible to serve on Society's Board of Directors					✓	✓	✓	✓
Discounted registration for Society's annual conference					✓	✓	✓	✓
Listing on Society's membership page with link to organization's home page	✓	✓	✓	✓	✓			
Public recognition at all Society events	✓	✓	✓	✓				
Listing on official Society correspondence except letters	✓	✓	✓	✓				
Individual Basic Membership(s), including all related benefits	Four	Two	One	One				
Complimentary registrations for Society's annual conference	Four	Two	One					
Complimentary ad in conference program or exhibit table at conference		✓						
Complimentary ad in conference program and exhibit table at conference	✓							



To join the SBCA, please visit <http://benefitcostanalysis.org/membership>. Membership information and forms will also be available at the conference registration table.

The only journal devoted exclusively to benefit-cost analysis, the leading evidence-based analytical method for determining if the consequences of specific public actions make society better off overall.

THE JBCA IS ATTRACTING ATTENTION

- › Council of Economic Advisors 2017 report The Underestimated Cost of the Opioid Crisis cited the 2017 JBCA article by W. Kip Viscusi and Clayton Masterman “Income Elasticities and Global Values of a Statistical Life.”
- › 2017 Economics Report of the President cited the 2016 JBCA article by Timothy Bartik, Brad Hershebin, and Marta Lachowska “The Merits of Universal Scholarships: Benefit-Cost Evidence from the Kalamazoo Promise.”
- › The 2015 article “Estimating the Job Impacts of Environmental Regulation” by Anna Belova, Wayne B. Gray, Joshua Linn, Richard D. Morgenstern was referenced by a 2017 Huffington Post article, cited in two Dutch government policy documents, and on Twitter by the Association of Air Pollution Control Agencies.

SYMPOSIA ON BCA AND PUBLIC POLICY

- › Valuing Mortality Risk Reductions in Low- and Middle Income Countries (Summer 2017)
- › Benefit-Cost Analysis of Policing Practices (Fall 2017)
- › Application of BCA in Europe – Experiences and Challenges (Spring 2018)

BEST ARTICLE FOR 2017

Congratulations to Dennis C. Cory and Lester D. Taylor whose article titled “On the Distributional Implications of Safe Drinking Water Standards” appeared in the JBCA 8,1 (Spring 2017) issue. Upon the recommendation of the Best Article Award Committee, the Editors are pleased to recognize this article as the best of 2017. Committee members Tom Kniesner, Clark Nardinelli, and Fran Sussman offer the following about the article:

The importance of the article is threefold. (1) It provides an empirical example of the complexity of including environmental justice in environmental standards and enforcement. (2) It generally supports the Health-Health analysis view that benefit cost analysis based on short-run potential Pareto improvement can result in policies that, after consumers adjust their expenditures, actually decrease social welfare. (3) This finding may be generalized to benefit-cost analysis of other public policy including nudges.

Editors Glenn C. Blomquist and William H. Hoyt and Managing Editor Mary Kokoski gratefully acknowledge the support of many including Editorial Board members, authors, reviewers, and especially the MacArthur Foundation.

JBCA EDITOR SEARCH TO BE CONDUCTED IN 2018

Glenn Blomquist and Bill Hoyt will be completing their tenure as Editors at the end of 2018. The JBCA will therefore be inviting applications for the editorship of the journal to start in January 2019. Look for a request for proposals from the Society for Benefit-Cost Analysis around July 2018. In the meantime, inquires may be directed to Lynn Karoly (karoly@rand.org), SBCA Past President and the chair of the JBCA Editor Search Committee.

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Journal of

Benefit-Cost Analysis

“This is a superb journal, with a large number of truly excellent contributions. In terms of thinking about regulation and cost-benefit analysis, it is indispensable reading.”

Cass R. Sunstein,
Harvard University

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Society for Benefit-Cost Analysis



PRE-CONFERENCE WORKSHOPS

2018

10TH ANNUAL
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WEDNESDAY, MARCH 14

8:00 – 9:00	Registration for full-day and morning workshops (<i>Marvin 3rd Floor Lobby</i>)
9:00 – 12:30	Professional Development Workshops, AM Session Retrospective Benefit-Cost Analysis (<i>Marvin 307</i>) A Voice Crying in the Wilderness? Techniques for Promoting the Use of Evidence and BCA Results to Policymakers (<i>Marvin 308</i>)
12:30 – 1:30	Lunch (<i>provided for those registered for both morning and afternoon sessions</i>)
1:00 – 1:30	Afternoon Workshop Registration (<i>Marvin 3rd Floor Lobby</i>)
1:30 – 5:00	Professional Development Workshops, PM Session Valuing Changes in Health and Longevity in Benefit-Cost Analysis (<i>Marvin 308</i>)
5:00 – 6:30	Opening Reception (<i>for all registered workshop and conference participants</i>) (<i>Marvin 302</i>) - Sponsored by ExxonMobil -

CONFERENCE SCHEDULE OVERVIEW

Conference registration includes meals (breakfast, break refreshments, lunch and evening receptions) plus other activities listed below on March 15 and 16, as well as the opening reception on March 14.

CONFERENCE DAY 1 – THURSDAY, MARCH 15

8:00 – 9:00	Registration (<i>Marvin 3rd Floor Lobby</i>) & Breakfast (<i>Grand Ballroom</i>)
9:00 – 10:30	Session 1
10:30 – 10:45	Break (<i>Grand Ballroom</i>)
10:45 – 12:15	Session 2
12:15 – 2:00	Luncheon and Keynote Address (<i>Grand Ballroom & Continental Ballroom</i>)
2:00 – 3:30	Session 3
3:30 – 3:45	Break (<i>Continental Ballroom</i>)
3:45 – 5:15	Session 4
5:30 – 7:30	Networking Reception (<i>Grand Ballroom</i>)

CONFERENCE DAY 2 – FRIDAY, MARCH 16

8:00 – 9:00	Registration (<i>Marvin 3rd Floor Lobby</i>) & Breakfast (<i>Grand Ballroom</i>)
9:00 – 10:30	Session 5
10:30 – 10:45	Break (<i>Grand Ballroom</i>)
10:45 – 12:15	Session 6: Plenary
12:15 – 2:00	Luncheon and Annual Meeting of the SBCA Membership (<i>Grand Ballroom & Continental Ballroom</i>) - Sponsored by American Chemistry Counsel -
2:00 – 3:30	Session 7
3:30 – 3:45	Break (<i>Continental Ballroom</i>)
3:45 – 5:15	Session 8
5:30 – 7:30	Closing Reception (<i>Grand Ballroom</i>) - Sponsored by the GW Regulatory Studies Center -

March 14-16 | The George Washington University
Marvin Center, Washington, DC

2018

10TH ANNUAL CONFERENCE
AND MEETING

DETAILED PROGRAM AGENDA

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ROOM A Amphitheater	A1	Methods for BCA in Low- and Middle-Income Countries
	Chair	Lisa Robinson, <i>Harvard University, Center for Health Decision Science and Center for Risk Analysis</i>
	Panelists	James Hammitt, <i>Harvard University</i> James Neumann, <i>Industrial Economics</i> Ken Strzepak, <i>MIT Joint Program on the Science and Policy of Global Change</i>
ROOM B Marvin 309	B1	The Distribution of the Benefits and Costs of Regulation
	Chair	Cary Coglianese, <i>University of Pennsylvania Law School</i>
	Discussant	Jennifer Baxter, <i>Industrial Economics, Inc.</i>
	Presentations	Auto Regulation: Is It Regressive? John Graham, <i>Indiana University</i> The Distribution of Costs and Benefits from Regulation by the U.S. Occupational Safety and Health Administration John Mendeloff, <i>University of Pittsburgh</i> Distributional Impacts of Environmental Regulation Lori Benneer, <i>Duke University</i> Electricity Restructuring and the Distribution of its Effects David Spence, <i>University of Texas</i>
ROOM C Marvin 301	C1	The Value of Recreational Uses of Natural Resources and Public Lands
	Chair	Trudy Ann Cameron, <i>University of Oregon</i>
	Discussant	Patrick Lloyd-Smith, <i>University of Saskatchewan</i>
	Presentations	Determinants of Demand for Campsites: A Random-Utility Site Choice Model using the Recreation Information Database for California William P. Wheeler, <i>University of Oregon, Department of Economics</i> The Welfare Consequences of Escaping Recreation Derbies: Evidence from Surveys of Headboat Anglers Vic Adamowicz, <i>University of Alberta</i> Estimating Recreation Access Value to National Forest Wilderness Craig Landry, <i>University of Georgia</i> The Recreational Value of Birding Opportunities: Supplementing eBird citizen science data with auxiliary survey data Sonja Kolstoe, <i>Salisbury University</i>

ROOM D Marvin 302	D1	The Implications of Behavioral Economics and Theory for BCA
	Chair	David Weimer, <i>University of Wisconsin</i>
	Discussant	Kyle Rozema, <i>University of Chicago</i>
	Presentations	Behavioral Economics in BCA: Measuring Unrecognized Benefits Tim Brennan, <i>University of Maryland, Baltimore County</i> What's In, What's Out? Towards a Rigorous Definition of the Boundaries of BCA Daniel Acland, <i>University of California, Berkeley</i> WTP or WTA: Another Method for Determining the Appropriate Measure of the Value of a Reference Dependent Change Jack Knetsch, <i>Simon Fraser University</i> Incorporating Citizen Preferences in Willingness to Pay Values Susan Chilton, <i>Newcastle University</i>
ROOM E Marvin 308	E1	How Many Roads? (and Other Infrastructure)
	Chair	Kevin Simmons, <i>Austin College</i>
	Discussant	Chad Shirley, <i>Congressional Budget Office</i>
	Presentations	Quantifying Wider Economic Benefits of Agglomeration within Transport BCA: Existing Evidence and Future Directions Daniel Graham, <i>Imperial College of London</i> How Much Should the US Invest in Highways? Challenges in Benefit-Cost Analysis using the Highway Economic Requirements David Luskin, <i>Federal Highway Administration, Office of Investment & Economics</i> The Use of Retrospective Cost-Benefit Analysis to Assess the Long-term Effects of Major Infrastructure Projects Chiara Pancotti, <i>Center for Industrial Studies (CSIL)</i> The Role of BCA for the German Federal Transport Infrastructure Plan (FTIP) Christoph Walther, <i>PVT Planung Transport Verkehr AG</i>
ROOM G Marvin 307	G1	Clean Power Plan and Global Climate Change
	Chair	Elizabeth Kopits, <i>U.S. Environmental Protection Agency</i>
	Presentations	Estimating Co-Pollutant Benefits from the Clean Power Plan: An Empirical Approach Daniel Simon, <i>Indiana University</i> Incorporating Uncertainty into Climate Change Adaptation Measures David Ryder, <i>Will Cooper, ICF</i> A Tale of Two Regulatory Impact Analysis: The Clean Power Plan Under the Obama and Trump Administrations Alison Cassidy, <i>Center for American Progress</i>

ROOM A Amphitheater	A2	An International Comparison of Social Discounting for Infrastructure and Regulation: Theory and Practice
	Chair	Maureen Cropper, <i>University of Maryland and Resources for the Future</i>
	Discussant	Glenn Jenkins, <i>Queens University</i>
	Presentations	<p>Two Is Better Than One: Social Discounting Rates and EU Regional Policy Massimo Florio, <i>University of Milan</i></p> <p>A Discount Rate for the Economic Analysis of Projects at the World Bank Aart Kraay, <i>World Bank</i></p> <p>Efficient Discount System: the Risk and Time DSimensions Christian Gollier, <i>Toulouse School of Economics</i></p>
ROOM B Marvin 309	B2	Federal Regulatory BCA in Practice
	Chair	Caroline Cecot, <i>Antonin Scalia Law School</i>
	Presentations	<p>Benefit-Cost Analysis and Independent Regulatory Commissions: Regulatory Analysis at the CPSC in the CPSIA Era Deborah Aiken, <i>U.S. Department of Transportation</i></p> <p>Benefit-Cost Analysis at the Food and Drug Administration: A History Rachel Lange, <i>U.S. Food and Drug Administration</i></p> <p>Estimating the Benefits and Costs of data Privacy Regulation: Comparing Regulation of BIAS by the FTC and FCC Joseph Cordes, <i>George Washington University</i></p> <p>A New Methodology for Conducting Product Support Business Case Analysis (BCA) Frank Camm, <i>RAND Corporation</i></p>
	C2	How Regulators Can Learn from Crises
ROOM C Marvin 301	Chair	Jonathan Wiener, <i>Duke University</i>
	Presentations	<p>Edward Balleisen, <i>Duke University</i></p> <p>Joe Aldy, <i>Harvard University</i></p> <p>Lori Bennar, <i>Duke University</i></p>

ROOM E Marvin 308	E2	Advances in Transportation Policy BCA
	Chair	David Luskin, <i>U.S. Department of Transportation</i>
	Discussant	Daniel Graham, <i>Imperial College London</i>
	Presentations	<p>How Society Benefits from Optimal Vehicle Routing Pattern for Poultry Meat Distribution Network Amir Chizari, <i>University of Tehran</i></p> <p>Examining Maritime Casualties from Vessel Grounds Using Zero-Inflated and Zero-Truncated Models Jerome Kerby, <i>U.S. Coast Guard</i>; Fatima Zouhair, <i>FedWriters</i></p> <p>The Economics of All Door Boarding on Buses Pierre Vilain, <i>Steer Davis Gleave</i> Tabitha Decker, <i>transitCenter</i></p>
ROOM F Marvin 310	F2	Addressing Health Costs in BCA
	Chair	Richard Williams
	Presentations	<p>A Reference Case for Global Health Costing Carol Levin, <i>University of Washington</i></p> <p>Cost Estimation for Rift Valley Fever from 2007 to 2010 Mohammed Mansour, <i>Central Veterinary Research Laboratory</i></p> <p>Moving from Global Burden of Disease Estimates to Policy Analysis: The Case of Foodborne Disease Sandra Hoffmann, <i>U.S. Department of Agriculture</i></p> <p>The Choice between Iron and Folic Acid (IFA) and Multiple Micro-nutrients (MMS) as Alternative Maternal Supplement Bahman Kashi, <i>Queens University</i></p>
	G2	Applications of BCA for Air Pollution
ROOM G Marvin 307	Chair	Kelly Maguire, <i>U.S. Environmental Protection Agency</i>
	Presentations	<p>Spatial Variability and Uncertainty in Air Quality Social Costs and the Implications for Policy Elisabeth Gilmore, <i>Clark University</i></p> <p>Characterization of Epidemiological Concentration-Response Functions in US EPA's BenMAP Software R. Jeffrey Lewis, <i>ExxonMobil Biomedical Sciences, Inc.</i> Ashish Jachak, <i>ExxonMobil Biomedical Sciences, Inc.</i></p> <p>Valuing Health Risk Reductions from Air Quality Improvement: Evidence from a New Discrete Choice Experiment in China Yana Jin, <i>Peking University</i></p> <p>How Attainment of Air Quality Standards in Southern California Improves Public Health and Reduces Health Risk Inequality Anthony Oliver, <i>South Coast Air Quality Management District</i> Elaine Shen, <i>South Coast Air Quality Management District</i></p>

ROOM A Amphitheater	A3	New Developments in Regulatory BCA
	Chair	Lisa Robinson, <i>Harvard University, Center for Health Decision Science and Center for Risk Analysis</i>
	Panelists	Jennifer Baxter, <i>Industrial Economics, Inc.</i> Reeve Bull, <i>Administrative Conference of the United States</i> Jonathan Wiener, <i>Duke University</i> Cary Coglianese, <i>University of Pennsylvania Law School</i> Joe Aldy, <i>Harvard University</i>
ROOM C Marvin 301	C3	Recreation, Resources, and Local Economies
	Chair	Trudy Ann Cameron, <i>University of Oregon</i>
	Presentations	Issues Affecting Recreational Values of National Forests Don English, <i>U.S. Forest Service</i> Neither Boon nor Bane: The Economic Effects of a Landscape-Scale National Monument Paul Jakus, <i>Utah State University</i> Valuing Hemlock Woody Adelgid Control in Public Forests: Scope Effects in Stated Preference Data with Attribute Non-Attendance Chris Giguere, <i>Appalachian State University</i>
ROOM D Marvin 302	D3	Time Keeping in BCA
	Chair	Joe Devlin, <i>Environment and Climate Change</i>
	Discussant	Charles Griffiths, <i>U.S. Environmental Protection Agency</i>
	Presentations	Institutional Economics and the Cost of Capital Rick Geddes, <i>Cornell University</i> A Framework for Describing and Evaluating Timeframes for Benefit-Cost Analysis Joe Devlin, <i>Environment and Climate Change</i> Why Discount Nature Differently? Arjan Ruijs, <i>PBL Netherlands Environmental Assessment Agency</i>

ROOM E Marvin 308	E3	Issues in the BCA of Electrical Power Reforms
	Chair	R. Jeffrey Lewis, <i>ExxonMobil Biomedical Sciences, Inc.</i>
	Discussant	Tim Brennan, <i>University of Maryland, Baltimore County</i>
	Presentations	Parametric and Non-Parametric Models to Estimate Households and Businesses' Willingness to Pay for Reliable Electricity Glenn P. Jenkins, <i>Queens University</i> Application of Benefit-Cost Methods for the Evaluation of the Solar PV Net Energy Metering Values in Different Jurisdictions Scott Bloomberg, <i>NERA Economic Consulting</i> Cost Benefit Analysis of Power Sector Reform in Haiti Bahman Kash, <i>Queens University</i> Juan Belt, <i>Center for Strategic and International Studies (CSIS)</i>
ROOM F Marvin 310	F3	BCA of Safety: Cops, Guns, and Maritime Accidents
	Chair	Glenn Blomquist, <i>University of Kentucky</i>
	Discussant	Mark Dickie, <i>University of Central Florida</i>
	Presentations	Good Cop, Bad Cop: An Analysis of Chicago Civilian Allegations of Police Misconduct Kyle Rozema, <i>University of Chicago Law</i> Benefits and Costs of Confiscating Firearms from Prohibited Persons in California Chris Mai, <i>Vera Institute</i> Using Near Miss Data to Characterize Baseline Risk in Maritime Regulatory Cost Benefit Analysis Kimberly Wilson, <i>U.S. Coast Guard</i> Ali Gungor, <i>U.S. Coast Guard</i> Jeffrey Horn, <i>U.S. Coast Guard</i>
ROOM G Marvin 307	G3	Valuing Health for Applications in BCA
	Chair	Sue Hamann, <i>National Institute of Health</i>
	Discussant	Elizabeth Quinn, <i>U.S. Food and Drug Administration</i>
	Presentations	Valuing Non-Fatal Health Risks: Theory and Empirical Evidence Daniel Herrera Araujo Health Insurance Price Externalities Daniel Wilmoth, <i>U.S. Small Business Administration</i> A BCA of Hearing Aids to Reduce the Symptoms of Dementia Robert J Brent, <i>Fordham University</i> Public Safety Under Imperfect Taxation Yuting Yang, <i>Toulouse School of Economics</i>

ROOM A Amphitheater	A4	Teaching BCA
	Chair	Scott Farrow, University of Maryland, Baltimore County
	Panelists	Susan Dudley, <i>The George Washington</i> David Weimer, <i>University of Wisconsin, Madison</i> Stuart Shapiro, <i>Rutgers University</i> Arnold Harberger, <i>UCLA</i> Chiara Pancotti, <i>Center for Industrial Studies (CSIL)</i>
ROOM B Marvin 309	B4	Retrospective Costs and Benefits of Food Safety Regulations
	Chair	Aliya Sassi, <i>U.S. Food and Drug Administration</i>
	Discussant	Elizabeth Ashley, <i>OIRA/OMB</i>
	Presentations	Consumer and Producer Responses to the 2003 Trans Fat Labeling Regulation: A Retrospective View Amber Jessup, <i>U.S. Department of Health and Human Services (HHS/ASPE)</i> Retrospective Benefit-Cost Analysis of the Regulation on "Control of Listeria monocytogenes in Ready-to-Eat Meat and Poultry Products" Flora Tsui, <i>United States Department of Agriculture, Food Safety and Inspection Service</i> Retrospective Analysis of the United States Food and Drug Administration's Prior Notice Regulations for Imported Foods Aliya Sassi, <i>U.S. Food and Drug Administration</i>
ROOM C Marvin 301	C4	Hedonic Price Studies and BCA
	Chair	Dennis Guignet, <i>U.S. Environmental Protection Agency</i>
	Discussant	Ben Witherell, <i>New Jersey Department of Environmental Protection</i>
	Presentations	A Practical Guide to the Use of Hedonic Studies in Benefit-Cost Analysis Alastair McFarlane, <i>US Department of Housing and Urban Development</i> Michael Hollar, <i>U.S. Department of Housing and Urban Development</i> The Impact of Air Pollution and Noise on Property Prices Over Time Henrik Andersson, <i>Toulouse School of Economics</i> Property Values and Water Quality: A Nationwide Meta-Analysis and the Implications for Benefit-Transfer Dennis Guignet, <i>U.S. Environmental Protection Agency</i>

ROOM D Marvin 302	D4	Applications of BCA Methods to Social Policies
	Chair	Daniel Acland, <i>University of California-Berkeley</i>
	Discussant	Lynn Karoly, <i>RAND Corporation</i>
	Presentations	Conducting an Individual-Level Benefit-Cost Analysis of Family Self Sufficiency Programs David Long, <i>Princeton Policy Associates</i> Does the Revocation of the Deferred Action for Childhood Arrivals (DACA) Survive an Accurate Cost and Benefit Carolina Arlota, <i>The University of Oklahoma, College of Law</i> What Works to Increase Student Attendance Around the World? Recent Results from Comparative Cost-Effectiveness Analysis Samantha Carter, <i>J-PAL Global</i>
ROOM E Marvin 308	E4	Investing in Infrastructure
	Chair	Frits Bos, <i>CPB Netherlands Bureau for Economic Policy Analysis</i>
	Discussant	Rick Geddes, <i>Cornell University</i>
	Presentations	A Web-Based Land Use Benefit Cost Optimization Tool Ken Acks, <i>The Cost Benefit Gr, LLC, Env Valuation & Cost Benefit News</i> An application of the Delphi Method to Benefit-Cost Analysis in Cote d'Ivoire Timothy Breitbarth, <i>Green Climate Fund</i> Djan Fanny, <i>CNPC</i> Mamadou Yoda, <i>CNPC, Government of Côte d'Ivoire</i> Cost-Benefit Analysis and EU Cohesion Policy: Economic versus Financial Returns in Investment Project Appraisal Massimo Florio, <i>University of Milan</i>
ROOM G Marvin 307	G4	New Vehicles, Regulations, and Subsidies
	Chair	Kerry Krutilla, <i>Indiana University, Bloomington</i>
	Discussant	Ann Wolverton, <i>U.S. Environmental Protection Agency</i>
	Presentations	Consumer Satisfaction with New Vehicles Subject to Greenhouse Gas and Fuel Economy Standards Hsing-Hsiang Huang, <i>Oak Ridge Institute for Science and Technology</i> Power and Fuel Economy Tradeoffs, and Implications for Benefits and Costs of Vehicle Greenhouse Gas Regulations Gloria Helfand, <i>U.S. Environmental Protection Agency</i> Network Externality and Subsidy Structure in Two-Sided Markets: Evidence from Electric Vehicle Incentives Katalin Springel, <i>Resources for the Future</i>

ROOM A Amphitheater	A5	Experience Conducting BCA to Comply with New Regulatory Directives
	Chair	Matt Wiener , <i>Administrative Conference of the United States</i>
	Panelists	Nan Shellabarger , <i>Federal Aviation Administration</i> Deborah Aiken , <i>U.S. Department of Transportation</i> Amber Jessup , <i>U.S. Department of Health and Human Services (HHS/ASPE)</i> Clark Nardinelli , <i>U.S. Food and Drug Administration</i> Linda Abbott , <i>United States Department of Agriculture</i> Doug Scheffler , <i>U.S. Coast Guard</i>
ROOM B Marvin 309	B5	Utility of SBREFA Panels in Benefit-Cost Regulatory Analysis
	Chair	Michael McManus , <i>SBA Office of Advocacy</i>
	Panelists	Kevin Bromberg , <i>SBA Office of Advocacy</i> Bob Burt , <i>Occupational Safety and Health Administration</i> Christine Kymn , <i>OMB Office of Information and Regulatory Affairs</i>
ROOM C Marvin 301	C5	Ecosystems
	Chair	Bahman Kashi , <i>Queens University</i>
	Discussant	Steve Newbold , <i>U.S. Environmental Protection Agency</i>
	Presentations	Valuation and management of mudflats in the Yellow River Delta, China Duncan Knowler , <i>Simon Fraser University</i> How to account for the impact on nature in CBAs? Four case studies from the Netherlands Frits Bos , <i>CPB Netherlands Bureau for Economic Policy Analysis</i> Arjan Ruijs , <i>PBL Netherlands Environmental Assessment Agency</i> Delegation of NPDES Authority to the State of Alaska William Wheeler , <i>U.S. Environmental Protection Agency</i> Water Pollution and Health Impacts in China: The Role of Environmental Performance Reviews of Government Officials Jinhua Zhao , <i>Michigan State University</i>

ROOM D Marvin 302	E5	Disastrous BCA
	Chair	Mark Dickie , <i>University of Central Florida</i>
	Discussant	Kenneth Acks , <i>Cost-Benefit Group, LLC</i>
	Presentations	Economic Analysis for Disaster Risk Management Strategies in Developing Countries David Corderi Novoa , <i>University of Navarra</i> Benefit/Cost Analysis Enhanced Building Codes for States Prone to Windstorms Kevin Simmons , <i>Austin College</i> Benefit-Cost Analysis of Acquisition of Properties Subject to a Non-Recurring Hazard (Landslides) Kaveh Zomorodi , <i>Dewberry</i>
ROOM F Marvin 310	F5	Job and Vehicle Safety
	Chair	Kip Viscusi , <i>Vanderbilt University</i>
	Presentations	Evaluating the Risks in Military Combat Employment Thomas Kniesner , <i>Claremont Graduate University</i> Assessing the Risk of Maritime Accidents Paul Large , <i>U.S. Coast Guard</i> ; Fatima Zouhair , <i>FedWriters</i> Benefits of OSHA's On-Site Consultation Program: An Economic Analysis Jessica Stone , <i>U.S. Department of Labor, Occupational Safety and Health Administration</i> Charles McCormick , <i>U.S. Department of Labor, Occupational Safety and Health Administration</i> Do Behavioral Responses Offset the Impacts of Safety Policies? Estimates Exploiting Changes in Perceived Vehicle Safety Damien Sheehan-Connor , <i>Wesleyan University</i>
	Presentations	Retrospective Analysis of Environmental Regulation: Cost and Productivity Effects Ann Wolverton , <i>U.S. Environmental Protection Agency</i>
ROOM G Marvin 307	G5	Retrospective Analysis of Environmental Regulation: Cost and Productivity Effects
	Chair	Ann Wolverton , <i>U.S. Environmental Protection Agency</i>
	Discussant	Sofie Miller , <i>The George Washington University</i> ; Art Fraas , <i>Resources for the Future</i>
	Presentations	Retrospective Evaluation of the Costs Associated with the 2004 Automobile and Light-Duty Truck Surface Coating NESHAP Ann Wolverton , <i>U.S. Environmental Protection Agency</i> Ex Ante Costs vs. Ex Post Costs of the Large Municipal Waste Combustor Rule Carl Pasurka , <i>U.S. Environmental Agency</i> Does Environmental Regulation Affect Productivity? Evidence from China's Textile Printing and Dyeing Industry Ron Shadbegian , <i>U.S. Environmental Protection Agency</i>

FRIDAY, MARCH 16 SESSION 6 | 10:45-12:15AM

GRAND BALLROOM	PLENARY	Regulatory Impact Analysis: the Experience of OIRA Administrators
	Moderator	Don Kenkel, <i>Cornell University</i>
		Sally Katzen (1993-1997) John Graham (2001-2006) Susan Dudley (2007-2009) Howard Shelanski (2013-2017)

FRIDAY, MARCH 16 SESSION 7 | 2:00-3:30PM

ROOM A Amphitheater	A7	Mortality Risk Reductions: New Developments
	Chair	Kelly Maguire, <i>U.S. Environmental Protection Agency</i>
	Presentations	Disambiguating the “Value of Statistical Life” Nathalie Simon, <i>U.S. Environmental Protection Agency</i> Estimating Changes in the Fatality Risk Premium Chris Dockins, <i>U.S. Environmental Protection Agency</i> Expanding the Domain of the Value of a Statistical Life W. Kip Viscusi, <i>Vanderbilt University</i> Valuing Reductions in Fatal Risks to Children William Raich, <i>Industrial Economics, Inc.</i> Valuing Mortality Risk in China: Comparing Stated-Preference Estimates from 2005 and 2016 James K. Hammitt, <i>Harvard University</i>

ROOM B Marvin 309	B7	Regulatory Benefit-Cost Analysis for Emerging Technologies
	Chair	Susan Dudley, <i>The George Washington University</i>
	Presentations	Applying Benefit-Cost Analysis to Regulation of Emerging Technologies Sofie Miller, <i>The George Washington University</i> Analytical Challenges in Constructing Regulatory Frameworks for Automated Vehicles Heidi King, <i>National Highway Traffic Safety Administration</i> Designing Regulation with Rapid Technological Change: The Case of Drones Timothy Brennan, <i>University of Maryland, Baltimore County</i> One Year of Equity Crowdfunding: An Analysis of Initial Market Developments and Capital Raising Trends Lindsay Abate, <i>U.S. Small Business Administration, Office of Advocacy</i>

FRIDAY, MARCH 16 SESSION 7 | 2:00-3:30PM

ROOM C Marvin 301	C7	Forest Pests
	Chair	Chris Moore, <i>U.S. Environmental Protection Agency</i>
	Discussant	John Whitehead, <i>Appalachian State University</i>
	Presentations	Using Machine Learning Tools to Optimize Biosecurity Inspections: A Case Study of the Asian Gypsy Moth in Australia Paul Mwebaze, <i>Commonwealth Scientific and Ind Research Org (CSIRO)</i> An Application of Benefit-Cost Analysis in Forestry: The Economic Impact of a Pest Disease in Uruguay Virginia Morales Olmos, <i>University of the Republic</i> Cost-Effective Targeting of Live Plant Import Exclusion for Preventing Forest Pest Establishment Rebecca Epanchin-Niell, <i>Resources for the Future</i>

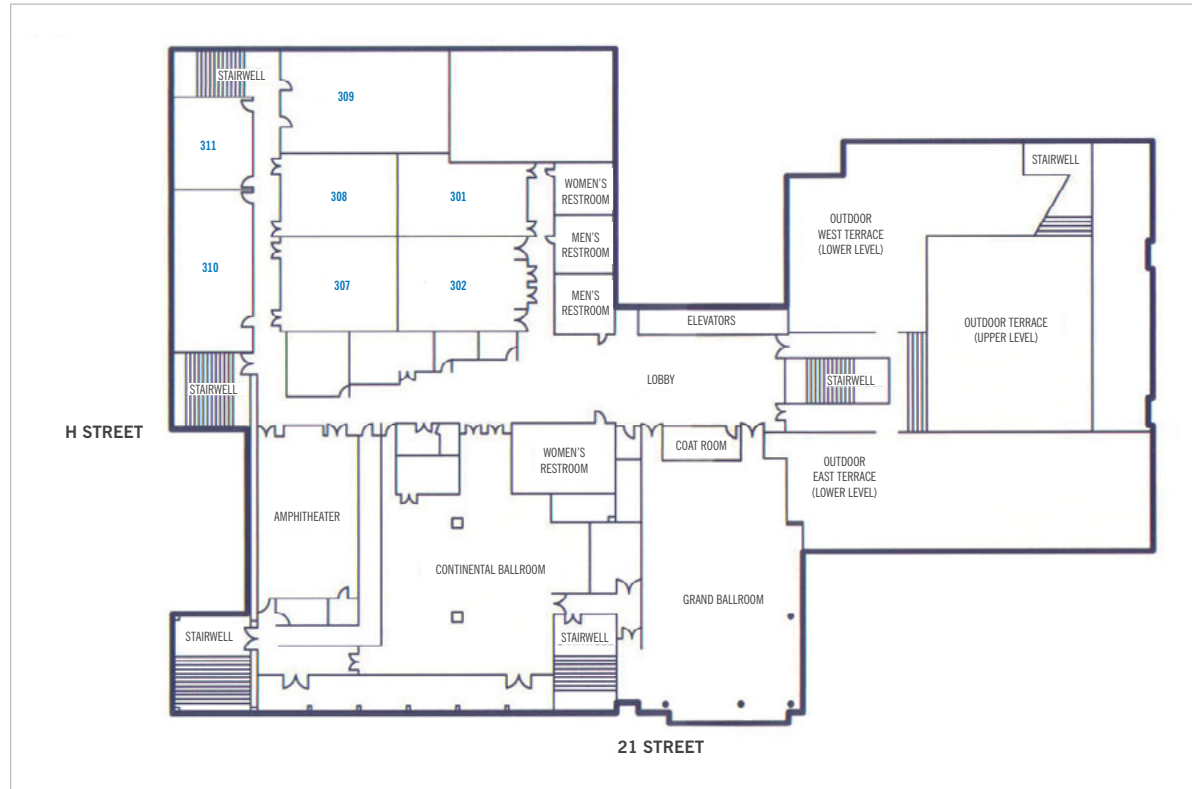
ROOM D Marvin 302	D7	Innovations in BCA
	Chair	Robert J. Brent, <i>Fordham University</i>
	Presentations	Measuring Costs and Benefits of Privacy Controls: Conceptual Issues and Empirical Estimates Daniel Perez, <i>George Washington University</i> Social Rate of Return Evaluation of DHS University Investments Scott Farrow, <i>University of Maryland, Baltimore County</i> Benefits and Costs of Emerging Nutrition Devices Richard Williams, <i>Self Employed</i>

ROOM F Marvin 310	F7	Valuing Education and School Policies
	Chair	Samantha Carter, <i>J-PAL Global</i>
	Presentations	A WSIPP Approach to Valuing Higher Education Michael Hirsch, <i>Washington State Institute for Public Policy</i> The Economic Implications of Later School Start Times in the U.S. Marco Hafner, <i>RAND Europe CIC</i> Cost Analysis of a Mindfulness-based Professional Development Program for Teachers Sebrina Doyle, <i>Penn State University</i> Are All Homeowners Willing to Pay for Better Schools? A Finite Mixture Model Okmyung Bin, <i>East Carolina University</i>

ROOM A Amphitheater	A8	Soda Taxes: Benefits, Costs, and Distributional Issues
	Chair	Clark Nardinelli, <i>U.S. Food and Drug Administration</i>
	Discussant	Elizabeth Botkins, <i>U.S. Food and Drug Administration</i>
	Presentations	<p>Regressive Sin Taxes, with an Application to the Optimal Soda Tax Benjamin Lockwood, <i>University of Pennsylvania</i></p> <p>How Well Targeted are Soda Taxes? Rachel Griffith, <i>Institute for Fiscal Studies (IFS)</i></p> <p>The Pass-Through of the Tax on SSBs in Boulder, CO David Frisvold, <i>University of Iowa</i></p>
ROOM B Marvin 309	B8	Costs and De-Regulation
	Chair	Randall Lutter, <i>University of Virginia</i>
	Discussant	Brian Mannix, <i>The George Washington University</i>
	Presentations	<p>Deregulatory Cost-Benefit Analysis Caroline Cecot, <i>Antonin Scalia Law School, George Mason University</i></p> <p>Understanding Regulatory Burden from Business' Perspective Stuart Shapiro, <i>Rutgers University</i> Debra Borie-Holtz, <i>Rutgers University</i></p> <p>Estimating the Impact of Regulatory Costs on Small Businesses Using Five Key Financial Health Indicators Ann Czerwonka, <i>Industrial Economics, Inc.</i></p>
ROOM D Marvin 302	D8	Theoretical Considerations in BCA and Regulatory Analysis
	Chair	Daniel Wilmoth, <i>U.S. Small Business Administration</i>
	Presentations	<p>Meta-BCA: Optimizing the Level of Effort for Benefit-Cost Analysis Stephen Newbold, <i>U.S. Environmental Protection Agency</i></p> <p>A Taxonomy for Improved Regulatory Evaluation Kerry Krutilla, <i>Indiana University, Bloomington</i></p> <p>Better Rules of the Game: Introducing New Global Indicators on Regulatory Governance Joseph Lemoine, <i>Global Indicators Group</i></p>

ROOM E Marvin 308	E8	Food and Agricultural BCA
	Chair	Sandra Hoffmann, <i>U.S. Department of Agriculture</i>
	Presentations	<p>Economic Impacts Associated with Direct Marketing Initiatives by U.S. Farmers: A Quantile Decomposition of Sales Timothy Park, <i>U.S. Department of Agriculture</i></p> <p>A Dynamic Systems Assessment of Benefits and Costs of Policies to Regulate Antimicrobial Use in U.S. Animal Agriculture Guillaume Lhermie, <i>Cornell University</i> Don Kenkel, <i>Cornell University</i></p> <p>A Comparison of Regulatory Impacts on Corn Farming between the United States and European Union Zhoudan Xie, <i>The George Washington University Regulatory Studies Center</i></p> <p>Socio-economics of Cassava Production in East Africa Paul Mwebaze, <i>Commonwealth Scientific and Ind. Research Org (CSIRO)</i></p> <p>Pollinator Valuation Measures and Policy Analysis Peyton Ferrier, <i>U.S. Department of Agriculture</i></p>
ROOM G Marvin 307	G8	"Economic Feasibility" Under the Safe Drinking Water Act: An Unexpected Opportunity for Regulatory Reform
	Chair	Richard Belzer, <i>Regulatory Checkbook</i>
	Discussant	W. Kip Viscusi, <i>Vanderbilt University</i>
	Presentations	<p>Redefining 'Economic Feasibility' Using Economics: A Reform Proposal that Would Improve both Efficiency and Equity Richard Belzer, <i>Regulatory Checkbook</i></p> <p>Creation of EPA's Small Entity Affordability Criterion: A Study of Ignorance Compounded by Bad Economics David Schnare, <i>Torcastle Law, LLC</i></p> <p>Practical Problems with US EPA's Affordability Guidance Tracy Mehan, <i>American Waterworks Association</i></p>

MARVIN CENTER FLOOR PLAN



Conference and workshop events will take place in the following locations throughout the 3rd floor of the Marvin Center:

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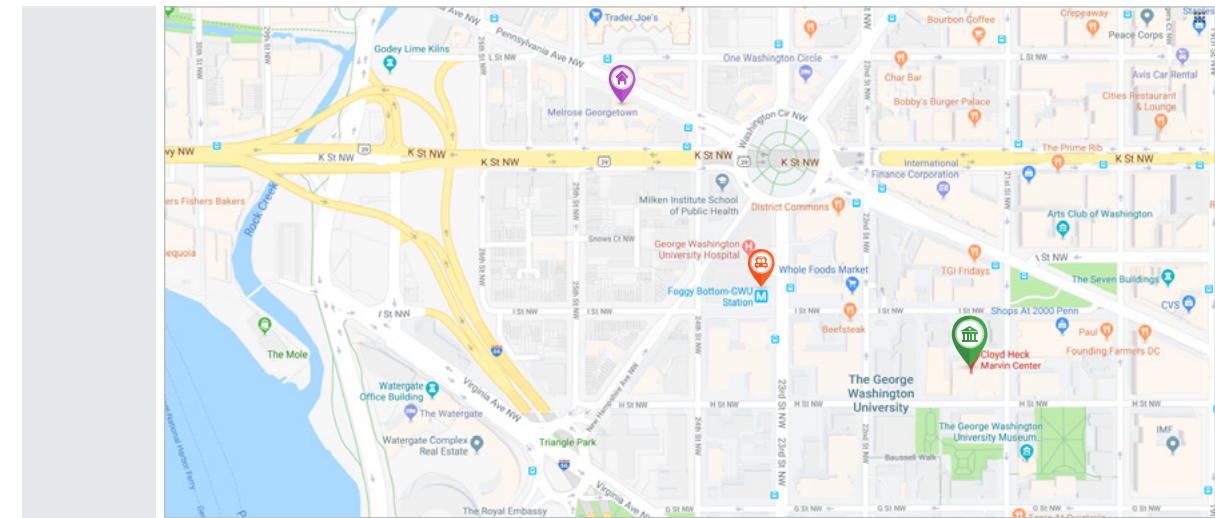
Grand Ballroom & Continental Ballroom (breaks, lunches, and receptions)

Rooms **301, 302, 307, 308, 309, 310, Amphitheater** (conference sessions)

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Starting in 2018, the Society for Benefit-Cost Analysis will be making an annual award for the **best Ph.D. thesis** dealing with the theory and/or practice of benefit-cost analysis. The award is intended to recognize outstanding work by promising new researchers in the field. The award is accompanied by a \$1,000 cash prize and the winner will be recognized at the SBCA annual meeting.

The range of topics for candidate dissertations cover those of interest to the SBCA, including both theory and application of economic evaluation methods. Relevant methods include, but are not limited to:

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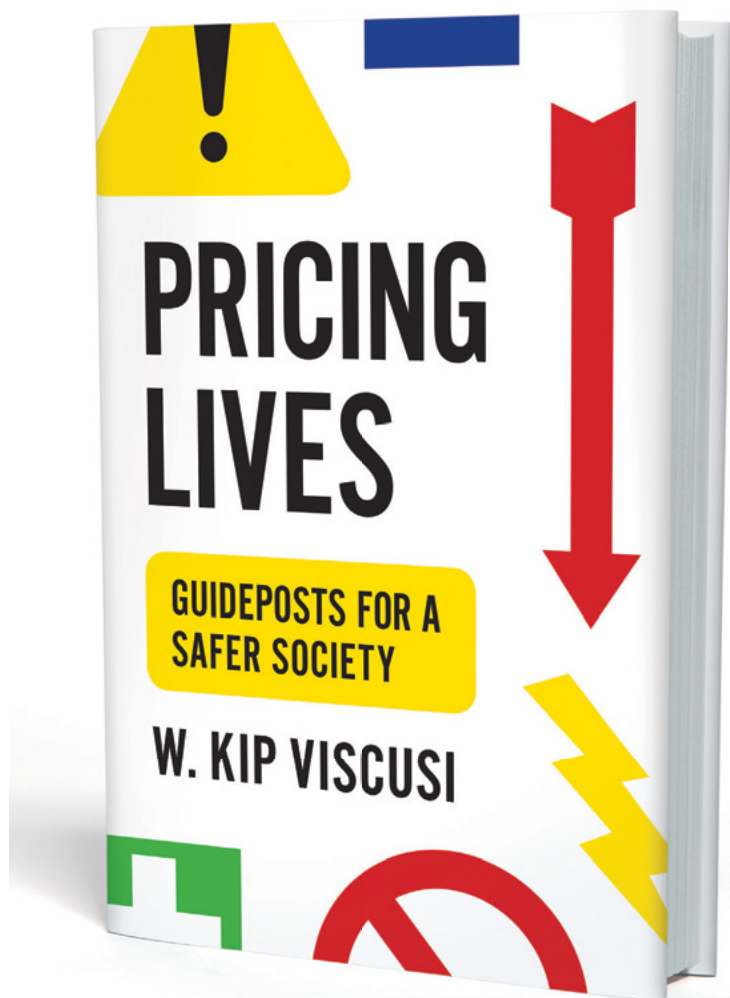
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