SCHOOL OF
PUBLIC AND
ENVIRONMENTAL AFFAIRS
Indiana University

- #1 Public Finance and Budgeting, #1 Environmental Policy and Management,
  #1 Nonprofit Management
- Celebrating 47 years of advancing knowledge and preparing leaders for the greater good

SPEA’s research and teaching faculty of more than 190 include these scholars:

John D. Graham, Dean
Keith Belton
Sanya Carley
Denvil Duncan
David Good
Brad Heim
Kerry Krutilla
Anthony Liu
Ashlyn Nelson
Kosali Simon
# EVANS SCHOOL OF PUBLIC POLICY & GOVERNANCE

UNIVERSITY OF WASHINGTON

## TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome</td>
<td>04</td>
</tr>
<tr>
<td>Conference Sponsors</td>
<td>05</td>
</tr>
<tr>
<td>2019 Organizational Affiliates</td>
<td>06</td>
</tr>
<tr>
<td>2019 Premium Members</td>
<td>06</td>
</tr>
<tr>
<td>Society of Benefit-Cost Analysis Overview</td>
<td>07</td>
</tr>
<tr>
<td>SBCA Membership</td>
<td>08</td>
</tr>
<tr>
<td>Journal of Benefit-Cost Analysis Overview</td>
<td>09</td>
</tr>
<tr>
<td>Conference at a Glance</td>
<td>11</td>
</tr>
<tr>
<td>Workshop Schedule</td>
<td>12</td>
</tr>
<tr>
<td>Detailed Conference Sessions</td>
<td>13</td>
</tr>
<tr>
<td>Marvin Center Floor Plan</td>
<td>28</td>
</tr>
<tr>
<td>Conference Logistics</td>
<td>29</td>
</tr>
<tr>
<td>The SBCA Dissertation Award</td>
<td>30</td>
</tr>
</tbody>
</table>

THANK YOU TO OUR FOUNDING INSTITUTION

- #1 Public Finance and Budgeting, #1 Environmental Policy and Management, #1 Nonprofit Management

SPEA’s research and teaching faculty of more than 190 include these scholars:

- John D. Graham, Dean
- Keith Belton
- Denvil Duncan
- David Good
- Brad Heim
- Ashlyn Nelson
- Kerry Krutilla
- Anthony Liu
- Kosali Simon
- Sanya Carley
Dear friends and colleagues,

Welcome to the 2019 Society for Benefit-Cost Analysis Annual Conference and Meeting. We have 43 excellent sessions planned on a wide range of topics. The presentations cover topics from around the world, reflecting the global reach of our field and Society. The presentations also reflect the wide scope of benefit-cost analysis, tackling subjects as diverse as regulatory innovation, the Olympics, taxes, sanitation campaigns in Africa, drawbridges, nudges, and the statistical value of a dog life.

In addition to the sessions, we hope you enjoy our evening receptions on Wednesday through Friday. On Thursday over lunch we will hold our membership meeting, which will include a discussion of our plans for the Society’s future. Please feel free to contact any of us with your suggestions and ideas. At lunch on Friday we will welcome our keynote speaker, Cass Sunstein, the Robert Walmsley University Professor at Harvard and Administrator of the Office of Information and Regulatory Affairs from 2009 to 2012. Professor Sunstein will speak on “Sludge and Ordeals.” On Friday afternoon the plenary session will feature Dean Jamison, Professor Emeritus, University of California, San Francisco. Professor Jamison’s topic will be “Valuing Investments in Health for Development: Reflections on Three Dynamic Decades”

We are enormously indebted to the members of the 2019 Program Committee, whose hard work contributed to the program:

Kenneth Acks (The Cost-Benefit Group)
Daniel Acland (UC Berkeley)
Eliane Catilina (Environmental Protection Agency)
Joseph Devlin (Environment and Climate Change Canada)
Susan Dudley (The George Washington University)
Andrew Estrin (U.S. Food & Drug Administration)
Michael Getzner (Vienna University of Technology)
Sue Hamann (National Institutes of Health)
Lynn Karoly (RAND Corporation)
Steven Lize (Pew Charitable Trusts)
Jerome Massiani (Ca Foscari University)

Kyle Rozema (University of Chicago)
John Whitehead (Appalachian State University)
Tomeka Williams (MITRE Corporation)
Richard Zerbe (University of Washington)

We are also indebted to the 2019 Workshop Committee for arranging the professional development workshops:

Steven Lize, Chair (Pew Charitable Trusts)
Jennifer Baxter (Industrial Economics, Inc.)
Cristina McLaughlin (U.S. Food & Drug Administration)
Lisa A. Robinson (Harvard University)
Stuart Shapiro (Rutgers University)

We would also like to thank American Chemical Council, American Petroleum Institute, ExxonMobil, The Gates Foundation/Harvard University and the GW 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 benefit-cost analysis. We hope that we will see you at future conferences and other Society events.

I look forward to seeing each of you at this year’s conference.

Sincerely,

Clark Nardinelli
President and Conference Chair

Craig Thornton
Vice President

Donald Kenkel
Past President
CONFERENCE SPONSORS

Conference support is provided by:

American Chemistry Council

energy API

ExxonMobil

Regulatory Studies Center
THE GEORGE WASHINGTON UNIVERSITY

The Bill and Melinda Gates Foundation and the Center for Health Decision Science, Harvard T.H. Chan School of Public Health

SAVE THE DATE

12TH SBCA ANNUAL CONFERENCE & MEETING
MARCH 2020 | WASHINGTON, DC
Thinking About the Width and Breadth of Benefit-Cost Analysis

PATRON

The Brattle Group
Eastern Research Group, Inc.
ExxonMobil Biomedical Sciences, Inc.
Goldman School of Public Policy, University of California, Berkeley
Industrial Economics, Inc.*
Mathematica Policy Research*
NERA Economic Consulting*
The George Washington University Regulatory Studies Center*

* Charter Affiliates

SUPPORTER

Frank Batten School of Leadership and Public Policy, University of Virginia
School of Social Science, Policy & Evaluation, Claremont Graduate University
Cornell Institute for Public Affairs, Cornell University
Centre for Industrial Studies
Department of Policy Analysis and Management, Cornell University
Environment & Climate Change Canada
Fisheries and Oceans Canada
ICF International
Indiana University School of Public and Environmental Affairs
Institute on Health Economics, Health Behaviors and Disparities, Cornell University
Labour Program, Employment and Social Development Canada
Robert M. La Follette School of Public Affairs, University of Wisconsin-Madison
University of Chicago Harris School of Public Policy
Vanderbilt University’s Ph.D. Program in Law & Economics

PREMIUM MEMBERS

Richard Belzer
Ronald Bird
Glenn Blomquist
Mark Cohen
Joseph Cordes
Susan Dudley
Scott Farrow
Kenneth Goettel
James Hammitt
Arnold Harberger
Hank Jenkins-Smith
Lynn Karoly
Thomas Kniesner
Kerry Krutilla

David Long
Kelly Maguire
Paul Mwebaze
Clark Nardinelli
John Parker
Lisa A. Robinson
Craig Thornton
Jim Tozzi
W. Kip Viscusi
David Weimer
John Wells
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.

2019 BOARD OF DIRECTORS

Clark Nardinelli, President (US Food & Drug Administration, Retired)
Craig Thornton, Vice President (Mathematica Policy Research, Retired)
Donald Kenkel, Past President (Cornell University)
Kelly Maguire, Treasurer (U.S. Department of Agriculture)
Jennifer Baxter, Assistant Treasurer (Industrial Economics)
R. Jeffrey (Jeff) Lewis, Past Treasurer (ExxonMobile Biomedical Studies)
Joseph (Joe) Devlin, Secretary (Environment & Climate Change Canada)
Dan Acland (University of California, Berkeley)
Henrik Andersson (Toulouse School of Economics)
Massimo Florio (University of Milan)
Sandy Hoffmann (U.S. Department of Agriculture)
Thomas (Tom) Kniesner (Claremont Graduate University)
Bengt Kristom (Swedish University of Agricultural Sciences)
David Long (Princeton Policy Associates)
Fran Sussman (Independent Consultant)
MEMBERSHIP

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:

<table>
<thead>
<tr>
<th>BENEFITS</th>
<th>ORGANIZATIONAL AFFILIATE</th>
<th>INDIVIDUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Benefactor $10,000</td>
<td>Sustainer $5,000</td>
</tr>
<tr>
<td>Receive announcements about Society events</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Complimentary digital subscription to Journal of Benefit-Cost Analysis</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Access to member contact information</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Eligible to serve on Society’s Board of Directors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Discounted registration for Society’s annual conference</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Listing on Society’s membership page with link to organization’s home page</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Public recognition at all Society events</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Listing on official Society correspondence except letters</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Individual Basic Membership(s), including all related benefits</td>
<td>Four</td>
<td>Two</td>
</tr>
<tr>
<td>Complimentary registrations for Society’s annual conference</td>
<td>Four</td>
<td>Two</td>
</tr>
<tr>
<td>Complimentary ad in conference program or exhibit table at conference</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Complimentary ad in conference program and exhibit table at conference</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

To join the SBCA, please visit [http://benefitcostanalysis.org/membership](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.

**BEST ARTICLES FOR 2018**

The editors are pleased to congratulate the Best Article Award winners, Scott Farrow and Adam Rose for “Welfare Analysis: Bridging the Partial and General Equilibrium Divide for Policy Analysis” JBCA 9, 1 (Spring 2018) and W. Kip Viscusi for “Best Estimate Selection Bias in the Value of a Statistical Life” JBCA 9, 2 (Summer 2018).

Concerning their selection, the Best Article Award Committee (Thomas Kniesner, Sandra Hoffman, and Timothy Bartik) offer the following concerning their selection of two winners.

Farrow and Rose provide a comprehensive literature-based comparison of the differences among partial equilibrium, linear input-output, and non-linear general equilibrium models that is accessible to readers. Farrow and Rose conclude that we should relax government rules against general equilibrium approaches to benefit-cost analyses while accompanying their recommendation with a fair-minded consideration of the arguments against their recommendation of increased use of general equilibrium implications for BCA.

Viscusi provides important new evidence on the value of a statistical life, which plays an important role in benefit-cost analyses of protection of life programs. He finds that although publication bias is significant, the problem is most pervasive for meta-analyses that rely on what researchers select as the “best” estimate. If researchers instead use all estimates, and properly control for sample characteristics, the preferred estimates of VSL diverge little from estimates currently in use by government agencies in program evaluation.

Editors Glenn C. Blomquist and William H. Hoyt and Managing Editor Mary Kokoski continue with abundant support and look forward to the new editorial leadership taking on the leadership challenges and opportunities to continue growing the Journal. Thanks in particular go to Editorial Board members, authors, reviewers, the MacArthur Foundation, and all who contribute to growing the JBCA.

**EDITORIAL BOARD**

**Editor-in-Chief:**
- Thomas J. Kniesner (Claremont Graduate University)

**Associate Editors:**
- Henrik Andersson (Toulouse School of Economics)
- Lynn A. Karoly (RAND Corporation)

**Managing Editor:**
- Paul Peretz (Claremont Graduate University)

**Assistant to the Managing Editor:**
- Chelsea Lucktenberg (Claremont Graduate University)

**Editorial Board Members:**
- Timothy Bartik (Upjohn Institute)
- Trudy Cameron (University of Oregon)
- Mark Cohen (Vanderbilt University and Resources for the Future)
- Joseph Cordes (George Washington University)
- Maureen Cropper (University of Maryland)
- Mark Dickie (University of Central Florida)
- Scott Farrow (UMBC)
- Art Fraas (Resources for the Future)
- John Graham (Indiana University)
- Robert Hahn (University of Manchester and University of Oxford)
- James Hammitt (Harvard Center for Risk Analysis)
- Arnold Harberger (UCLA)
- Robert Haveman (University of Wisconsin)
- Glenn Jenkins (Queen’s University and Eastern Mediterranean University)
- Donald Kenkel (Cornell University)
- Margaret Kuikkinsi (University of Washington)
- Eric Posner (University of Chicago)
- Richard Revesz (New York University)
- Lisa A. Robinson (Harvard University)
- David Salkever (UMBC)
- W. Kip Viscusi (Vanderbilt University)
- David Weimer (University of Wisconsin)
- Richard Zeckhauser (Harvard University)
- Richard Zerbe (University of Washington)

SBCA gratefully acknowledges the contributions of the outgoing journal editorial team made up of Editors Glenn C. Blomquist and William H. Hoyt and Managing Editor Mary Kokoski. Additionally, the journal would not be possible without the support of the Editorial Board members, authors, and reviewers.
"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

Access the homepage at: cambridge.org/JBCA
Activate content alerts: cambridge.org/JBCA-alerts
Submit your article: cambridge.org/JBCA-submit
CONFERENCE SUMMARY

All conference activities will be held on the Third floor of the Marvin Center, GWU.

Unless noted below, conference sessions will start each day at 9:00 am and run for 90 minutes throughout the day on Thursday and Friday. Please see detailed schedule for specific session start times, topics and speakers.

All conference registrants are invited to attend all sessions. Luncheons, refreshment breaks, and receptions are open to all individuals registered for the conference.

KEY EVENTS

MEMBERSHIP LUNCHEON
Thursday | March 14
12:15 to 2:00 pm

LUNCHEON KEYNOTE ADDRESS
Cass Sunstein
Friday | March 15
12:15 to 2:00 pm

PLENARY SESSION ADDRESS
Dean Jamison
Friday | March 15
3:45 to 5:00 pm

RECEPTIONS

OPENING RECEPTION
Wednesday | March 13
5:00 to 6:30 pm

NETWORKING RECEPTION
Thursday | March 14
5:00 to 6:30 pm

CLOSING RECEPTION
Friday | March 15
5:00 to 6:30 pm

REGISTRATION

Wednesday | March 13
8:00 am to 5:30 pm

Thursday | March 14
8:00 am to 5:30 pm

Friday | March 15
8:00 am to 5:00 pm

WORKSHOPS

Wednesday | March 13
Morning Session: 8:30 am to 12:30 pm

Wednesday | March 13
Afternoon Session: 1:30 pm to 5:00 pm
## PRE-CONFERENCE WORKSHOPS

### WEDNESDAY, MARCH 13

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 – 9:00</td>
<td>Registration for Full-day and Morning Workshops</td>
</tr>
<tr>
<td>8:30 – 12:30</td>
<td><strong>Professional Development Workshops</strong></td>
</tr>
<tr>
<td>Workshops</td>
<td><strong>Workshop 2:</strong> A Voice Crying in the Wilderness? Techniques for Promoting the Use of Evidence and BCA Results to Policymakers <em>(Marvin 307)</em></td>
</tr>
<tr>
<td>Workshops</td>
<td><strong>Workshop 3:</strong> Using Meta-Analysis to Support Benefit-Cost Analysis and Evidence-Based Policymaking <em>(Marvin 308)</em></td>
</tr>
<tr>
<td>Workshops</td>
<td><strong>Workshop 5:</strong> Introduction to Regulatory Impact Assessment <em>(Marvin 310)</em></td>
</tr>
<tr>
<td>12:30 – 1:30</td>
<td>Lunch (provided for those registered for both morning and afternoon sessions) <em>(Marvin 302)</em></td>
</tr>
<tr>
<td>1:00 – 1:30</td>
<td>Registration for Afternoon Workshop</td>
</tr>
<tr>
<td>1:30 – 5:00</td>
<td><strong>Professional Development Workshops</strong></td>
</tr>
<tr>
<td>Workshops</td>
<td><strong>Workshop 4:</strong> Deregulatory Benefit-Cost Analysis <em>(Marvin 310)</em></td>
</tr>
<tr>
<td>5:00 – 6:30</td>
<td><strong>Opening Reception</strong> (for all registered workshop and conference participants) <em>(Marvin 302)</em></td>
</tr>
</tbody>
</table>

## CONFERENCE SCHEDULE OVERVIEW

### CONFERENCE DAY 1
**THURSDAY, MARCH 14**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 – 9:00</td>
<td>Registration <em>(Marvin 3rd Floor Lobby)</em> &amp; Breakfast <em>(Grand Ballroom)</em></td>
</tr>
<tr>
<td>9:00 – 10:30</td>
<td><strong>SESSION 1</strong></td>
</tr>
<tr>
<td>10:30 – 10:45</td>
<td>Break <em>(Grand Ballroom &amp; Continental Ballroom)</em></td>
</tr>
<tr>
<td>10:45 – 12:15</td>
<td><strong>SESSION 2</strong></td>
</tr>
<tr>
<td>12:15 – 2:00</td>
<td>Luncheon and Annual Meeting of the SBCA Membership <em>(Grand Ballroom &amp; Continental Ballroom)</em></td>
</tr>
<tr>
<td>2:00 – 3:30</td>
<td><strong>SESSION 3</strong></td>
</tr>
<tr>
<td>3:30 – 3:45</td>
<td>Break <em>(Grand Ballroom &amp; Continental Ballroom)</em></td>
</tr>
<tr>
<td>3:45 – 5:15</td>
<td><strong>SESSION 4</strong></td>
</tr>
<tr>
<td>5:30 – 6:30</td>
<td>Networking Reception <em>(Grand Ballroom)</em></td>
</tr>
</tbody>
</table>

### CONFERENCE DAY 2
**FRIDAY, MARCH 15**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 – 9:00</td>
<td>Registration <em>(Marvin 3rd Floor Lobby)</em> &amp; Breakfast <em>(Grand Ballroom)</em></td>
</tr>
<tr>
<td>9:00 – 10:30</td>
<td><strong>SESSION 5</strong></td>
</tr>
<tr>
<td>10:30 – 10:45</td>
<td>Break <em>(Grand Ballroom &amp; Continental Ballroom)</em></td>
</tr>
<tr>
<td>10:45 – 12:15</td>
<td><strong>SESSION 6</strong></td>
</tr>
<tr>
<td>12:15 – 2:00</td>
<td>Luncheon and Keynote Address <em>(Grand Ballroom &amp; Continental Ballroom)</em></td>
</tr>
<tr>
<td>2:00 – 3:30</td>
<td><strong>SESSION 7</strong></td>
</tr>
<tr>
<td>3:30 – 3:45</td>
<td>Break <em>(Grand Ballroom &amp; Continental Ballroom)</em></td>
</tr>
<tr>
<td>3:45 – 5:00</td>
<td><strong>SESSION 8</strong></td>
</tr>
<tr>
<td>5:00 – 6:30</td>
<td>Closing Reception <em>(Continental Ballroom)</em></td>
</tr>
</tbody>
</table>
## SESSION 1 | THURSDAY, MARCH 14 | 9:00 - 10:30 AM

### 1A | Innovation, Precaution, and Benefit-Cost Analysis

**Chair**
Tim Brennan, University of Maryland – Baltimore County

**Panelists**
- Julian Morris, International Center for Law and Economics
- Brian Mannix, The George Washington University Regulatory Studies Center
- Neil Chilson, Charles Koch Foundation
- Val Giddings, Information Technology and Innovation Foundation

### 1C | Perspectives on Social Discount Rate

**Chair**
Joseph Cordes, George Washington

**Presentations**
- The Social Time Preference Approach to Discounting
  Maureen Cropper, University of Maryland
- The Social Opportunity Cost of Capital Approach to Discounting
  Arnold Harberger, UCLA
- Benefit-Cost Analysis with a Zero Social Discount Rate
  James Broughel, Mercatus Center at George Mason University

### 1D | Agricultural Trade and Policy

**Chair**
Kelly Maguire, United States Department of Agriculture

**Discussant**
Aliya Sassi, United States Food and Drug Administration

**Presentation**
Predicting Potential Impacts of China’s Retaliatory Tariff on U.S. Farm Sector
Dallas Wood, RTI International

**Presentation and Q&A**
Using BCA to Make the World Better: Conversation on the Copenhagen Consensus
Brad Wong, Copenhagen Consensus Center

### 1E | Alternative Approaches to Regulation

**Chair**
Amber Jessup, United States Department of Health and Human Services

**Discussant**
Richard Belzer, Regulatory Checkbook

**Presentations**
- Emerging Technologies Will Reduce WTP for Population Risks
  Richard Williams, Writer
- Two Far-Reaching Changes to How we Quantify and Balance Risks and Regulatory Costs
  Adam M Finkel, University of Michigan School of Public Health
- A Coasean Approach to Cost-Benefit Analysis
  D. Bruce Johnsen, Antonin Scalia Law School George Mason University
### SESSION 2 | THURSDAY, MARCH 14 | 10:45 AM - 12:15 PM

<table>
<thead>
<tr>
<th>2A</th>
<th>Economic Evidence Informing Government: Policy Implications of BCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Steven Lize, The Pew Charitable Trusts</td>
</tr>
</tbody>
</table>
| Presentations | **Efficiency Criteria for Nudges and Norms**  
W. Kip Viscusi, Vanderbilt University  
**WTA vs. WTP Choices and Valuations vs. Remedial Guides:**  
The Illustrative Example of the Loss from the BP Gulf Oil Spill  
Jack Knetsch, Simon Fraser University School of Resource & Environmental Management  
**GAO’s Assessment Methodology for Economic Analysis**  
Oliver Richard, U.S. Government Accountability Office  
**Policy Formulation in Brazil:**  
New Policy Evaluation Guidelines, and their Comparison to Best Practices in the U.S.  
Kerry Krutilla, Indiana University – Bloomington  
Kelvia Albuquerque, Office of Chief of Staff, Presidency, Republic of Brazil  
Martin de Almeida Fortis, Ministry of Planning, Republic of Brazil |
<table>
<thead>
<tr>
<th>MARVIN 301</th>
<th><strong>Agricultural Trade and Policy</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chair</strong></td>
<td>Craig Thornton, Mathematica Policy Research</td>
</tr>
<tr>
<td><strong>Discussant</strong></td>
<td>Gabriel Movsesyan, U.S. Food &amp; Drug Administration</td>
</tr>
</tbody>
</table>
| **Presentations** | Benefit Analysis of Reducing Opioid Prescription Rates  
James Oehmke, Professor Emeritus, Michigan State University  
The Heterogenous Responses to and Social Welfare Effects of Smoking Bans in Bars and Restaurants  
Anne Burton, Cornell University  
A CBA of Corrective Lenses for Reducing the Symptoms of Dementia  
Robert Brent, Fordham University |

<table>
<thead>
<tr>
<th>MARVIN 302</th>
<th><strong>Digital Rights, Data Protection, and Data Privacy</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chair</strong></td>
<td>Joseph Cordes, George Washington University</td>
</tr>
</tbody>
</table>
| **Presentations** | Data Protection under the EU’s GDPR  
Roslyn Layton, American Enterprise Institute  
The Other Side: What’s the Cost of Data Protection?  
Aryamala Prasad, George Washington University  
Benefits and Costs of Privacy under Different Regimes  
Daniel Perez, George Washington University  
Ex Ante vs. Ex Post Enforcement of Privacy and Data Security  
Neil Chilson, Charles Koch Foundation |

<table>
<thead>
<tr>
<th>MARVIN 307</th>
<th><strong>Emerging Developments in Food Policy Regulatory Analysis &amp; Research: Experiences Across Countries</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chair</strong></td>
<td>Sandra Hoffmann, U.S. Department of Agriculture</td>
</tr>
</tbody>
</table>
| **Panelists** | Jason March, Food Standards Australia New Zealand  
Vanna Aldin, UK Food Standards Agency  
Angela Lasher, U.S. Food and Drug Administration  
Linda Abbott, U.S. Department of Agriculture Office of Risk Analysis and Cost Benefit Analysis  
Lin Ai, Canadian Food Inspection Agency  
Wonyong Kim, South Korean Food Authority  
Joseph Dunne, The German Marshall Fund of the U.S. |

<table>
<thead>
<tr>
<th>MARVIN 308</th>
<th><strong>Advances in Methodology</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chair</strong></td>
<td>Aaron Kearsley, U.S. Food and Drug Administration</td>
</tr>
<tr>
<td><strong>Discussant</strong></td>
<td>Elizabeth Quin, U.S. Food and Drug Administration</td>
</tr>
</tbody>
</table>
| **Presentations** | Discounting for Public Cost-Benefit Analysis  
Qingran Li, Duke University  
Premature Deaths and Statistical Lives: Toward Clearer Quantification and Valuation of Environmental Mortality Risks  
James Hammitt, Harvard University  
Examining the Expert Performance Through the Random Expert Hypothesis  
Deniz Marti, George Washington University |
### SESSION 3 | THURSDAY, MARCH 14 | 2:00 - 3:30 PM

#### MARVIN 309

<table>
<thead>
<tr>
<th>2F</th>
<th><strong>Some Unsettled Questions in Environmental Benefits and Costs</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Richard O. Zerbe, University of Washington</td>
</tr>
<tr>
<td>Discussant</td>
<td>Eliane Catilina, Environmental Protection Agency</td>
</tr>
</tbody>
</table>
| Presentations | **Co-Benefits**  
Timothy Brennan, University of Maryland – Baltimore County  
**Electric Vehicles in China: Implications of Variability in Costs, Health, and Climate Benefits**  
Yana Jin, College of William & Mary  
**Environmental Benefits of Federal Conservation Efforts: Lesson from Agricultural Program Analyses**  
LeRoy Hansen, U.S. Department of Agriculture/Economic Research Service |

#### MARVIN 310

<table>
<thead>
<tr>
<th>2G</th>
<th><strong>Transportation: BCA Asks, “Is it Road-Worthy?”</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Timothy Skeel, Seattle Department of Transportation</td>
</tr>
</tbody>
</table>
| Presentations | **Making the Case for Transportation Investment with BCA**  
Patrick Miller, Steer Group  
**Estimating Social Discount Rate for the Long-Term Transport Investment Projects in Russia**  
Maria Sheluntcova, National Research University Higher School of Economics  
**Evaluating Future Highway Access via Risk-Cost-Benefit Analysis with Data Uncertainties**  
Marwan Alsultan, University of Virginia  
**Joint CBA of Maintenance and Investment: The Role of Quality of Service**  
Marc Gaudry, University of Montreal |

### PRESIDENTIAL SESSION

#### 3A | **Benefit-Cost Analysis of Tax Regulations** |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Bridget Dooling, The George Washington University Regulatory Studies Center</td>
</tr>
</tbody>
</table>
| Panelists | Joseph Cordes, George Washington University  
Susan Dudley, The George Washington University Regulatory Studies Center  
Jerry Ellig, The George Washington University Regulatory Studies Center  
Mark Mazur, Urban Institute |

#### 3B | **Economic Methods for Assessing Health Policies and Regulations** |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Anne Burton, Cornell University</td>
</tr>
<tr>
<td>Discussant</td>
<td>Elizabeth Ashley, OIRA</td>
</tr>
</tbody>
</table>
| Presentations | **Sensitivity and Uncertainty Analysis of Particulate Matter and Ozone Health Impacts Using Alternative Inputs in BenMAP**  
R. Jeffrey Lewis, ExxonMobil Biomedical Sciences, Inc.  
**Challenges for Rulemaking and Insurance Guidelines from Conventional Definitions of Tobacco and Nicotine Products**  
Gabriel Movsesyan, U.S. Food and Drug Administration |
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Chair/Panelists</th>
</tr>
</thead>
<tbody>
<tr>
<td>3E</td>
<td>A Comparison of Delay Discounting by e-Cigarette and Cigarette Users: Implications for U.S. Food and Drug Administration’s Regulatory Impact Analysis</td>
<td>Ce Shang, University of Oklahoma Health Sciences Center</td>
</tr>
<tr>
<td>3E</td>
<td>Regulatory Reform Under EO 13771: The First 2 Years</td>
<td>Chair: Matt Wiener, Administrative Conference of the U.S. Panelists: Linda Abbott, U.S. Department of Agriculture, Deborah Aiken, Department of Transportation, Jeffrey Horn, U.S. Coast Guard, Daniel Lawver, U.S. Department of Health and Human Services, Nellie Lew, U.S. Food and Drug Administration, Nan Shellabarger, Federal Aviation Administration</td>
</tr>
</tbody>
</table>
### PRESIDENTIAL SESSION

**4A** Analysis for Uncertain Futures  
**Chair** Daniel Perez, George Washington Regulatory Studies Center  
**Presentations**  
- Planning for Everything (Besides Death & Taxes)  
  Susan Dudley, The George Washington University Regulatory Studies Center  
- Responsible Precautions for Uncertain Environmental Risks  
  W. Kip Viscusi, Vanderbilt University  
- Analytical Challenges Surrounding Analyses of Nuclear War  
  James Scouras, Johns Hopkins University Applied Physics Laboratory  
- From Football to Oil Rigs: Risk Assessment for Combined Cyber and Physical Attacks  
  Fred Roberts, Rutgers University

### 4B International Issues in Health Economics  
**Chair** Ce Shang, University of Oklahoma Health Sciences Center  
**Discussant** James Oehmke, U.S. Agency for International Development  
**Presentations**  
- Altruism and Efficient Allocations in Three-Generation Families (in Poland)  
  Susan Chilton, Newcastle University  
- Retrospective and Prospective Benefit-Cost Analyses of Anti-Smoking Policies in China  
  Feng Liu, Shanghai University of Finance and Economics

### 4C Breaking Good or Breaking Bad? Using Break-even Analysis in BCA  
**Chair** Joe Devlin, Environment and Climate Change Canada  
**Presentations**  
- Jennifer Baxter, Industrial Economics  
- Joseph Cordes, George Washington University  
- Charles Griffiths, Environmental Protection Agency

### 4D Food Safety Regulatory Analysis in a Global Setting (1)  
**Chair** Flora Tsui, U.S. Department of Agriculture Food Safety and Inspection Service  
**Discussant** Stephanie Desparo, U.S. Department of Agriculture  
**Presentations**  
- Modeling the Influence of Income Growth on Global Patterns of Foodborne Disease  
  Sandra Hoffmann, U.S. Department of Agriculture  
- Andrew Muhammad, University of Tennessee Institute of Agriculture  
- Birgit Meade, U.S. Department of Agriculture  
- Food Safety in Africa: Past Endeavors and Future Directions  
  Lystra Antoine, World Bank  
- JIFSAN’s Training and Monitoring and Evaluation Program: Case Study of GAP’s Training in Latin America  
  Clare Narrod, Joint Institute for Food Safety and Applied Nutrition, University of Maryland  
  Xiaoya Dou, Joint Institute for Food Safety and Applied Nutrition, University of Maryland
<table>
<thead>
<tr>
<th>MARVIN 308</th>
<th>4E</th>
<th><strong>Retrospective Review of the Bureau of Consumer Financial Protection: Three Case Studies</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Paul Rothstein, Consumer Financial Protection Bureau</td>
<td></td>
</tr>
</tbody>
</table>
| Panelists | Eric Durbin, Consumer Financial Protection Bureau  
Sergei Kulaev, Consumer Financial Protection Bureau  
Scott Fulford, Consumer Financial Protection Bureau |

<table>
<thead>
<tr>
<th>MARVIN 309</th>
<th>4F</th>
<th><strong>Environmental Protection Agency’s Detailed Analytic Blueprint: Model Plan for Agency Completion of Quality Benefit Cost Analyses for Rulemakings</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Kevin Bromberg, US Small Business Administration Office of Advocacy</td>
<td></td>
</tr>
<tr>
<td>Discussant</td>
<td>Oliver Sherouse, US Small Business Administration Office of Advocacy</td>
<td></td>
</tr>
</tbody>
</table>
| Panelists | Kevin Bromberg, US Small Business Administration Office of Advocacy  
Stuart Shapiro, Rutgers School of Planning and Public Policy  
Allen Basala, Former Economics Analyst, Environmental Protection Agency |

<table>
<thead>
<tr>
<th>MARVIN 310</th>
<th>4G</th>
<th><strong>Safety, Security, and Crime: Making Us Safer with Benefit-Cost Analysis</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Tony Cheesebrough, U.S. Department of Homeland Security</td>
<td></td>
</tr>
</tbody>
</table>
| Presentations | The Public Health Risks Addressed by the Import Alert Program  
Andrew Estrin, U.S. Food and Drug Administration  
Alternatives to Break-even Analysis in Safety and Security Regulations  
Ali Gungor, U.S. Coast Guard  
Homeland Security and Emergency Management Grant Allocation  
Barry Ezell, Old Dominion University  
Estimating Crime Costs in the States: Lessons Learned from Applied BCA  
Steven Lize, The Pew Charitable Trusts |
## SESSION 5 | FRIDAY, MARCH 15 | 9:00 - 10:30 AM

### AMPHITHEATRE

#### PRESIDENTIAL SESSION

<table>
<thead>
<tr>
<th>5A</th>
<th>Benefit-Cost Analysis in Low-and Middle-Income Countries: Illustrative Case Studies and Future Research Needs (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Lisa A. Robinson, Harvard University</td>
</tr>
</tbody>
</table>
| Presentations | **Reference Case Guidance Purpose and Goals**  
  Damian Walker, Bill and Melinda Gates Foundation  
  **Applying Benefit-Cost Analysis to Air Pollution Control in the Indian Power Sector**  
  Maureen Cropper, University of Maryland and Resources for the Future  
  Sarath Guttikunda, UrbanEmissions.Info  
  Puja Jawahar, UrbanEmissions.Info  
  Zachary Lazri, University of Maryland  
  Kabir Malik, World Bank  
  Xiao-Peng Song, University of Maryland  
  Xinlu Yao, University of Maryland  
  **Standardized Sensitivity Analysis in BCA: An Education Case Study**  
  Dean Jamison, University of California - San Francisco  
  **Contribution of Water Resources Development and Environmental Management to Uganda’s Economy**  
  James E. Neumann, Industrial Economics  
  Collins Amanya, Ugandan Ministry of Water and Environment  
  Kenneth M. Strzepek, MIT and Harvard University |

### MARVIN 301

#### 5B | Economic Assessments of Health Disparities and Health Disparities Research |
| Chair | Sue Hamann, National Institute of Health/ National Institute of Dental and Craniofacial Research |
| Discussants | Joe Cordes, George Washington University  
  Robin Yabroff, American Cancer Society |
| Presentations | **Evaluating Economic and Non-Economic Outcomes of Publicly-Funded Biomedical Research**  
  Sara Dodson, National Institute of Health/ National Institute of Allergy and Infectious Diseases  
  **Econometric Methods for Measuring the Burden of Health Inequalities**  
  Patrick Richard, Uniformed Services University  
  **Designing BCA Studies for Oral Health Disparities Research**  
  Sue Hamann, National Institute of Health/ National Institute of Dental and Craniofacial Research |
### MARVIN 307
#### 5D
**Food Safety Regulatory Analysis in a Global Setting (2)**

<table>
<thead>
<tr>
<th>Chair</th>
<th>Sandra Hoffmann, U.S. Department of Agriculture Economic Research Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussant</td>
<td>Aliya Sassi, U.S. Food and Drug Administration</td>
</tr>
</tbody>
</table>
| Presentations | **Estimating Trade Flow When Foreign Countries Gain Food Safety Equivalency to Export Agricultural Products to the U.S. by a Gravity-Based Trade Model**  
Jason Grant, U.S. Department of Agriculture Food Safety and Inspection Service  
Flora Tsui, U.S. Department of Agriculture Food Safety and Inspection Service  
Bryan Maculloch, U.S. Department of Agriculture Food Safety and Inspection Service  
**Estimating Welfare Changes from Importing Agricultural Commodities Using the Simplified Plus Version of the Baseline Analysis System Model**  
Charlotte Ham, U.S. Department of Agriculture Animal and Plant Health Inspection Service  
Setsuko Hoffman, U.S. Department of Agriculture Animal and Plant Health Inspection Service  
Ken Forsythe, U.S. Department of Agriculture Animal and Plant Health Inspection Service |

### MARVIN 308
#### 5E
**Estimating Costs**

<table>
<thead>
<tr>
<th>Chair</th>
<th>Rachel Lange, U.S. Food and Drug Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussant</td>
<td>Tomeka Williams, MITRE Corporation</td>
</tr>
</tbody>
</table>
| Presentations | **Quasi-Fixed Labor Costs in Burden and Social Cost Calculations**  
William Wheeler, Environmental Protection Agency  
**Stated and Revealed Pollution Abatement Costs Revisited**  
Carl Pasurka, Environmental Protection Agency  
**Federal Agencies’ Compliance with Public Cost Burden Estimation Requirements of the Paperwork Reduction Act**  
Ronald Bird, George Washington University |

### MARVIN 309
#### 5F
**Benefits and Costs of Water Quality**

<table>
<thead>
<tr>
<th>Chair</th>
<th>Nathalie Simon, Environmental Protection Agency</th>
</tr>
</thead>
</table>
| Presentations | **Benefit-Cost Analysis of Water Quality Improvement**  
Krishna Poudel, Missouri Department of Natural Resources  
**Benefits and Costs of Preventing Childhood Lead Poisoning from Drinking Water- A Case Study in New York State**  
Ying Zhou, Centers for Disease Control and Prevention  
**Estimating the Benefits to Florida Households from Avoiding Another Gulf Oil Spill Using the Contingent Valuation Method**  
John Whitehead, Appalachian State University  
**The Use of Retrospective BCA to Assess the Long-Term Effects of Infrastructures in the Water and Waste Sectors**  
Chiara Pancotti, Centre for Industrial Studies |

---

11th Annual Conference & Meeting of the Society for Benefit-Cost Analysis | 21
### SESSION 6 | FRIDAY, MARCH 15 | 10:45 AM - 12:15 PM

**MARVIN 310**

**The Wide Reach of Benefit-Cost Analysis**

**Chair**
Glenn Jenkins, Queen’s University

**Presentations**
- **The Great Indian Demonetization Experiment: Exploring the Benefits and Costs**
  Partha Ray, Indian Institute of Management Calcutta
- **A Cost-Benefit Analysis of the Millennium Challenge Corporation’s Procurement Modernization Program in Indonesia**
  Jean Lee, Millennium Challenge Corporation
  Brian Epley, Millennium Challenge Corporation
- **Can Cost-Benefit Analysis Tell Whether Sport and Cultural Events are Worth it for Hosting Cities?**
  Jerome Massiani, Ca’ Foscari University
- **Gujarat’s Prohibition Policy: A Case for Social Cost-Benefit Analysis**
  Siddhartha Rastogi, Indian Institute of Management Indore

---

**SESSION 6**

**AMPHITHEATRE**

**Benefit-Cost Analysis in Low-and Middle-Income Countries: Illustrative Case Studies and Future Research Needs (2)**

**Chair**
James K. Hammitt, Harvard University

**Discussant**
James K. Hammitt, Harvard University
Dean Jamison, University of California, San Francisco
Lisa A. Robinson, Harvard University

**Presentations**
- **Benefit-Cost Analysis of Community-Led Total Sanitation Campaigns: Incorporating the Results from Recent Randomized Control Trials and Other Evaluations**
  Mark Radin, University of North Carolina
  Marc Jeuland, Duke University
  Hua Wang, Remin University
  Dale Whittington, University of North Carolina
- **Comparing the Application of CEA and BCA to Tuberculosis Control Interventions in South Africa**
  Thomas Wilkinson, University of Cape Town
  Fiammetta Bozzani, London School of Hygiene and Tropical Medicine
  Anna Vassali, London School of Hygiene and Tropical Medicine
  Michelle Remme, London School of Hygiene and Tropical Medicine
  Edina Sinanovic, University of Cape Town
- **Benefit-Cost Analysis of a Package of Early Childhood Interventions to Improve Nutrition in Haiti**
  Brad Wong, Copenhagen Consensus Center
### Benefit-Cost Analysis in Labor Policy

**Chair**
Don Kenkel, Cornell University

**Discussant**
Clayton Masterman, Vanderbilt Ph.D. Program in Law and Economics

**Presentations**
- **Opting Out of Workers’ Compensation Insurance: Non-Subscription in Texas and Its Cost and Benefit Effects**
  - Thomas Kniesner, Claremont Graduate University
- **Rethinking Law School Tenure Standards**
  - Kyle Rozema, University of Chicago Law School
- **Estimating the Benefits of Research on the Causes and Prevention of Work-Related Injury and Illness**
  - Tim Bushnell, National Institute for Occupational Safety and Health
  - Rene Pana-Cryan, National Institute for Occupational Safety and Health

### Frontiers in Benefit-Cost Analysis of Environmental Policies

**Chair**
Tim Brennan, University of Maryland – Baltimore County

**Presentations**
- **Epistemic Limits of Cost-Benefit Analysis in Environmental Policymaking**
  - David Adelman, University of Texas at Austin School of Law
- **Altruism, Endogenous Risk and the Value of Reduced Mortality**
  - Mark Dickie, University of Central Florida
- **Integrating Fundamental Uncertainty into Benefit-Cost Analysis for the Assessment of Deep-Seabed Mining**
  - David Good, Indiana University – Bloomington
  - Kerry Krutilla, Indiana University – Bloomington
  - Mike Toman, World Bank
  - Tijen Arin, World Bank
- **The Economics of Regulatory Repeal**
  - Arthur Fraas, Resources for the Future
  - Alan Krupnick, Resources for the Future

### Exploring Forms of Regulation and their Impacts on Outcomes and Effectiveness

**Chair**
Linda Abbott, U.S. Department of Agriculture

**Presentations**
- **Economic and Social Regulation Revisited**
  - Brian Mannix, George Washington University
- **Does the Form of Regulation Matter? An Empirical Analysis of Regulation and Land Productivity Growth**
  - Zhoudan Xie, George Washington University
- **Evaluating the Impact of Certificate-of-Need Laws on Hospital Outcomes**
  - Mark Febrizio, George Washington University
- **Regulating Agencies’ Benefit-Cost Analysis**
  - Stuart Shapiro, Rutgers
### 6E: New Methods for BCA

**Chair**
Glenn Blomquist, University of Kentucky

**Presentations**
- **Analysis of Maritime Casualties from Vessel Groundings Using Ordered Probit Regression Model**
  Fatima Zouhair, U.S. Coast Guard
- **Using Machine Learning to Assess Heterogeneity in the Cost-Effectiveness of Health Care Programs**
  Mikael Svensson, University of Gothenburg
- **A Head Start for Every Runner: On Using Experimental and Quasi-Experimental Evidence to Forecast Policy Impacts**
  Daniel Wilmoth, U.S. Small Business Administration
- **Nonlinearity in Cost and Benefit Functions of Short-Term Repeated Consumer Decisions**
  Amit Sharma, Penn State University

### 6F: Wetland Benefits from Definitional Changes of Waters of the United States

**Chair**
Charles Griffiths, Environmental Protection Agency

**Discussants**
- William Wheeler, Environmental Protection Agency
- Chris Dockins, Environmental Protection Agency

**Presentations**
- **Considerations for Appropriate Wetlands Benefit Transfer for National-Level Rule Making**
  John Whitehead, Appalachian State University
- **Waters of the United States: Upgrading Wetland Valuation via Benefit Transfer**
  Elena Besedin, ICF International
  Klaus Moeltner, Virginia Tech
- **Foregone Wetland Benefits from the Waters of the U.S. Redefinition**
  Charles Griffiths, Environmental Protection Agency
  Matt Massey, Environmental Protection Agency
  Chris Moore, Environmental Protection Agency
## SESSION 7 | FRIDAY, MARCH 15 | 2:00 - 3:30 PM

### AMPHITHEATRE

#### 7A International Experiences in Regulatory Reform

**Chair**  
Susan Dudley, The George Washington University Regulatory Studies Center

**Panelists**  
- Carl Creswell, UK Better Regulation Executive  
- Joseph Dunne, European Parliament Research Service  
- Celine Kaufmann, Organization for Economic Co-operation and Development  
- Jeannine R. Ritchot, Regulatory Affairs Sector at Treasury Board of Canada Secretariat  
- Ana Maria Zárate Moreno, International Consultant on Institutional Strengthening in Latin America and the Caribbean

### MARVIN 301

#### 7B Benefit-Cost Analysis in Education Policy

**Chair**  
Lynn Karoly, RAND

**Discussant**  
Michael Hirsch, Washington State Institute for Public Policy

**Presentations**  
- Comparison of Benefit-Cost and Cost-Effectiveness Results Across 5 Youth Education and Training Programs  
  David Long, Princeton Policy Associates  
- CBA for Higher Education Diplomas: A First Assessment of the French Case  
  Pierre Courtioux, EDHEC Business School  
- Using Benefit-Cost Analysis to Address Significant Disproportionality in Special Education  
  Richard Belzer, Regulatory Checkbook

### MARVIN 302

#### 7C Energy Projects

**Chair**  
Emily Galloway, U.S. Food and Drug Administration

**Presentations**  
- An Integrated Appraisal of a Wind Farm  
  Glenn Jenkins, Queen’s University  
- Self-generation, Willingness to Pay for Electricity Reliability and Incomplete Property Rights  
  Majid Hashemi, Clemson University  
- Gender, Electricity, and Poverty: Distributional Effects of Power Sector Reforms in West Africa  
  Francis Mulangu, Millennium Challenge Corporation

### MARVIN 307

#### 7D Economic Analysis at Independent Agencies: Progress and Challenges

**Chair**  
Jerry Ellig, The George Washington University Regulatory Studies Center

**Panelists**  
- Giulia McHenry, Federal Communications Commission  
- Janis Pappalardo, Federal Trade Commission  
- William Brennan, Surface Transportation Board  
- Amy Edwards, U.S. Securities and Exchange Commission
### SESSION 8 | FRIDAY, MARCH 15 | 3:45 - 5:00 PM

#### PLENARY SESSION

**Plenary Speaker**
Dean Jamison, University of California, San Francisco

**Presentation**
Valuing Investments in Health for Development: Reflections on Three Dynamic Decades

---

#### MARVIN 308

**Overcoming Challenges in Regulatory Impact Analysis**

**Chair**
Sofie Miller, U.S. Department of Energy

**Discussant**
Dan Lawver, U.S. Department of Health and Human Services

**Presentations**
- Overcoming Data Gaps: A Case Study
  - Paul Reeder, Employment and Social Development Canada
- Parameter Uncertainty in Regulatory Impact Analysis
  - Aaron Kearsley, U.S. Food and Drug Administration
- Implementing an Accounting Framework to Measure Outcomes for a New Policy Directive: Challenges and Lessons Learned
  - Deborah Aiken, U.S. Department of Transportation
  - Ross Rutledge, National Highway Traffic Safety Administration

---

#### MARVIN 310

**Stated Preference**

**Chair and Discussant**
Dan Acland, University of California, Berkeley

**Presentations**
- Willingness to Pay to Improve Patient Medication Information: A Stated Preference Study
  - Bern Dealy, U.S. Food and Drug Administration
- The Willingness-to-pay (WTP) for Fundamental Science as a ‘Public Good’: A Survey to French Citizens
  - Massimo Florio, University of Milan
- Publication Selection Biases in Stated Preference Estimates of the Value of a Statistical Life
  - Clayton Masterman, Vanderbilt Ph.D. Program in Law and Economics
- Monetizing Bowser: A Contingent Valuation of the Statistical Value of Dog Life
  - David Weimer, University of Wisconsin – Madison
  - Hank Jenkins-Smith, University of Oklahoma
MILAN SUMMER SCHOOL
9TH EDITION
COST BENEFIT ANALYSIS OF INVESTMENT PROJECTS
9-13 SEPTEMBER 2019

An intensive learning and networking experience to familiarize or expand your knowledge on project evaluation and economic analysis of investment projects, with an in-depth understanding of CBA sectoral applications.

STRUCTURE AND LEARNING METHOD
The course combines face-to-face (lectures and presentations) and hands-on sessions (on environment, transport and RDI). The training approach is interactive and practice-oriented.

SKILLS ACQUIRED
- Understand CBA principles and methods;
- Strengthen knowledge of CBA sectoral application;
- Assess the completeness and quality of a project dossier (practice on real-life cases).

FACULTY
Lecturers are experts of the team involved in the preparation of the last edition of the Guide to Cost-Benefit Analysis of investment projects of the European Commission, including the authors, technical advisors and academic peer reviewers.

TARGET
The school targets professionals and practitioners involved in design, preparation, assessment and implementation of investment projects.

DATES
Monday 9 September - Friday 13 September 2019.
The full course is the best solution for those who want to be acquainted with both a solid background on CBA and an applied experience on real-life cases. A shorter attendance (3 or 4 days) is also possible.

DEADLINES
Applications open on 13 March;
Deadline for early bird registrations: 30 April 2019;

LOCATION
Palazzo Greppi, University of Milan
Via Sant’Antonio 12
20122 – Milano.

PRACTICAL INFORMATION
- Maximum places available: 40;
- Discounted fee for SBCA members;
- A detailed program is available online (https://www.csilmilano.com/Summer-School/Summer-School.html);
- Contact: santoro@csilmilano.com

CENTRE FOR INDUSTRIAL STUDIES
UNIVERSITÀ DEGLI STUDI DI MILANO
Conference and workshop events will take place in the following locations throughout the **3rd floor of the Marvin Center**:

**LOBBY**
(registration and exhibit tables)

**GRAND BALLROOM, CONTINENTAL BALLROOM** and **AMPHITHEATRE**
(breaks, lunches, and receptions)

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

**WIFI ACCESS**

Network: **GWConnect**

See information at registration desk for instructions for how to log in via guest access
WORKSHOPS, RECEPTIONS AND
CONFERENCE LOCATION

The George Washington University Marvin Center
800 21st Street NW, Washington, DC 20052
(Far Right Pin in the Map Above)

LODGING

Melrose Georgetown Hotel
2430 Pennsylvania Ave NW, Washington, DC 20037
(Far Left Pin in the Map Above)

METRO ACCESS

Conference events take place within walking distance of the
Foggy Bottom Metro Station
2301 I St NW, Washington, DC 20037
(Center Pin in the Map Above)

SOCIETY OF BENEFIT-COST ANALYSIS

11130 Sunrise Valley Drive, Suite 350
Reston, Virginia 20191
benefitcostanalysis.org
The Society for Benefit-Cost Analysis will be making an annual award for the best Ph.D. thesis dealing with the theory 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:

- Benefit-cost analysis
- Cost-effectiveness analysis
- Cost analysis
- Regulatory impact analysis
- Risk-benefit analysis
- Applied welfare economic analysis
- Damage assessments

For applied research, illustrative substantive areas include:

- Civil and criminal justice
- Education and training
- Energy, natural resources, and environment
- Finance and financial markets
- Food and agriculture
- Health, health insurance, and health care
- International trade and development
- Safety and security
- Social welfare programs
- Transportation and infrastructure
- Workforce and workplace

The dissertation may be primarily focused on the theory or application of benefit-cost analysis, or it may be contained in a portion of the work (e.g., a subset of the chapters of the dissertation or one paper of a multi-paper dissertation).

SUBMISSIONS WILL BE DUE OCTOBER 1, 2019

A dissertation will be eligible if it was successfully defended in the two years prior to the October 1 application deadline. Eligible dissertations must have been accepted by an accredited institution of higher education in any country in fulfillment of a doctoral degree. The degree field is not limited to economics. Dissertations must be written in English.

For additional information, please see the SBCA website at: https://benefitcostanalysis.org/sbca-outstanding-dissertation-award
Offering MPA, MPP, MA-ENRP & PhD degrees as well as graduate certificates and online courses

Home of the GW Regulatory Studies Center
www.regulatoirstudies.gwu.edu
@RegStudies

www.tspppa.gwu.edu
@GWTrachtenberg

The university is an Equal Employment Opportunity/Affirmative Action employer that does not unlawfully discriminate in any of its programs or activities on the basis of race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity or expression, or any other basis prohibited by applicable law.
“[Pricing Lives] is a tour de force. It provides an entertaining, accessible account of the modern approach to valuing mortality risk. In non-technical prose, it covers the major aspects of the approach and how it should be applied to social decisions…. Viscusi is by far the leading contributor to the estimation of VSL and its adoption by regulatory agencies.”

—James K. Hammitt
SBCA, On Balance

“Pricing Lives is… the most comprehensive and readable presentation of VSL and its uses to date.”

—Thomas J. Kniesner
Journal of Policy Analysis and Management

“Pricing Lives, coming upon a lifetime of outstanding scholarship, may be just the push the Nobel Prize committee needs to give Professor Viscusi the recognition he deserves.”

—G. Tracy Mehan III
The Environmental Forum

“From probably the world’s leading thinker on the valuation of mortality risks, Pricing Lives makes a fundamental, enduring contribution.”

—Cass Sunstein, Harvard Law School