

## Jason Chun Yu Wong

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CONTACT INFORMATION	Economics Division, Babson College 231 Forest Street, Westgate Hall Room 313 Babson Park, MA 02457, USA	<i>T</i> : +1 (781) 239-4267 <i>E</i> : <a href="mailto:jasonwong@babson.edu">jasonwong@babson.edu</a> <i>W</i> : <a href="https://jasoncwong.com">https://jasoncwong.com</a>
PROFESSIONAL PROFILE	Applied microeconomist specializing in connectivity, infrastructure, technological change, and regional economic development. Expert in experimental and quasi-experimental methods, including RCTs, survey design, and causal inference using large-scale datasets. Formerly Consulting Economist to NASA in the Convergent Aeronautics Solutions project, focusing on future-forward innovation strategy and economic resilience, and co-author of a leading textbook in environmental economics. Published in <i>Energy Economics (A*)</i> and <i>World Development (A)</i> , with extensive cross-sector research experience.	
ACADEMIC APPOINTMENTS	<b>Babson College</b> , Babson Park, MA, USA Assistant Professor of Economics	<b>August 2023 - Present</b>
	<b>Toulouse School of Economics</b> , Toulouse, France Visiting Professor (Prof Invité)	<b>Fall 2023</b>
	<b>London School of Economics and Political Science</b> , London, UK Visiting Fellow, Department of Geography and Environment LSE Fellow in Environmental Economics	<b>September 2020 - Present</b> <b>June 2019-August 2020</b>
	<b>Occidental College</b> , Los Angeles, CA, USA Assistant Professor of Economics	<b>August 2020 - August 2023</b>
APPLIED POLICY CONSULTING & CONTRACTED RESEARCH	<b>National Aeronautics and Space Administration Langley Research Center</b> , Hampton, VA Economist, Convergent Aeronautics Solutions (CAS) via Ensemble Consultancy	<b>Apr-Oct 2025</b>
	<ul style="list-style-type: none"> <li>Developed an airport shutdown damage translation model quantifying revenue, productivity, and labor losses from climate-induced flooding events using large-scale aviation and weather datasets.</li> <li>Designed and implemented a causal-impact framework linking historical hurricane disruptions (e.g., Harvey, Sandy, Ian) to economic losses across airports, airlines, and passengers.</li> <li>Co-authored AIAA conference paper on VAAST (Vulnerability Assessment for Aviation Systems Tool), integrating economic valuation into aircraft technology portfolio design for R&amp;D prioritization.</li> <li>Produced geospatial, time-series, and cross-sectional models to simulate infrastructure vulnerability, airline network disruptions, and public-sector loss exposure.</li> <li>Synthesized experimental and scenario-based modeling into dashboards and prototypes for internal NASA strategy, with focus on adaptation and innovation metrics.</li> </ul>	
	<b>Transportation Research Board, National Academies of Science and Engineering</b> Airport Cooperative Research Program Graduate Awardee	<b>2016-17</b>
	<b>National Marine Fisheries Service Southeast Science Center</b> , St. Petersburg, FL Systems Analyst II via ECS Federal, LLC.	<b>2015-16</b>

## EDUCATION

**Columbia University**, New York, NY, USA

Ph.D., Sustainable Development

May 2019

M.Phil., Sustainable Development

May 2017

M.A., Sustainable Development

May 2016

**Massachusetts Institute of Technology**, Cambridge, MA, USA

Exchange Scholar, Laboratory for Aviation and the Environment

2016-2017

**University of Maryland**, College Park, MD, USA

B.S., Environmental Science and Policy (Environmental Economics), *summa cum laude* May 2013

B.A., Germanic Studies, *summa cum laude*

May 2013

*Certificate in Science, Technology, and Society; Minor in Statistics*

## BOOKS

Goodstein, E. S., **Wong, J.C.Y.**, Polasky, S. (2025). [Economics of the Environment](#), 10th Ed., Wiley. ISBN: 978-1-394-30791-3

**Status:** Published **Type:** Economics Textbook, Leading Global Academic Press **Contribution:** Joined as co-author in 2024, overhaul of chapters on cost-benefit analysis and the environment and revised chapters with updated data, examples, and figures

## PUBLICATIONS

**Wong, J. C.Y.**, Saadi, J. I., Stancliff, M. E., Brubaker, E. R., Hinkel, J. M., Fichera, N. S., Young, L. A., Aggarwal, N., Mitra, A., Nigam, R., & Kopardekar, P. H. (forthcoming). Economic Impact Modeling of Flood-Related Airport Disruptions: A Prototype for Integrated Resilience. *NASA Technical Memorandum*. National Aeronautics and Space Administration.

**Status:** Forthcoming **Type:** NASA Technical Memorandum **Contribution:** First author, led the economics work on evaluating the impact of future floods on U.S. aviation, developed economic impact framework and methodology for future inclusion in NASA visualization dashboards.

**Kopardekar, P. H.**, Mitra, A., Johnson, M. A., Young, L. A., Cozby, H. A., Fichera, N. S., Hinkel, J. M., Miller, A., Brubaker, E. R., Kent, H., Saadi, J., Stancliff, M., & **Wong, J. C.Y.** (2025). [Building Resilience in Aviation: Economic Impacts of Disasters and Future Adaptations](#). *AIAA Aviation Forum and ASCEND 2025* (Paper No. AIAA 2025-3103).

**Status:** Presented **Type:** Conference Paper/Proceedings **Contribution:** Co-author, wrote Section VII on Future Economic Impact Modeling and participated in review and edits.

**Wong, J.C.Y.**, Blankenship, B., Urpelainen, J., Harish, S.P. (2022). [Increasing microsolar technology adoption: Comparing the efficacy of vouchers, cash transfers, and microfinance schemes](#). *Energy Economics* 110: 105952. **ABDC Journal Ranking A\***

**Status:** Published **Type:** Single-blind Peer Review **Contribution:** Joint first author, field-based RCT with multiple treatment arms. Conceptualized and developed methodology with co-authors. Co-led formal quantitative analysis and writing.

**Wong, J.C.Y.**, Blankenship, B., Urpelainen, J., Harish, S.P. (2022). [Increasing microsolar technology adoption: Comparing the efficacy of vouchers, cash transfers, and microfinance schemes](#). *Energy Economics* 110: 105952. **ABDC Journal Ranking A\***

**Status:** Published **Type:** Single-blind Peer Review **Contribution:** Joint first author, field-based RCT with multiple treatment arms. Conceptualized and developed methodology with co-authors. Co-led formal quantitative analysis and writing.

**Wong, J.C.Y.**, Blankenship, B., Urpelainen, J., Balani, K., Ganesan, K., Bharadwaj, K. (2022). [Understanding electricity billing preferences in rural and urban India: Evidence from a conjoint experiment](#). *Energy Economics* 106: 105735. **ABDC Journal Ranking A\***

*Status:* Published *Type:* Single-blind Peer Review *Contribution:* First author and led the writing and publication process. Conceptualized and developed methodology. Led fieldwork and experimental design. Co-led formal quantitative analysis and writing.

**Wong, J.C.Y.**, Blankenship, B., Urpelainen, J., Ganesan, K., Bharadwaj, K., Balani, K. (2021). [Perceptions and acceptability of electricity theft: Towards better public service provision](#). *World Development* 140: 105301. **ABDC Journal Ranking A**

*Status:* Published *Type:* Double-blind Peer Review *Contribution:* First author and led the writing and publication process. Conceptualized and developed methodology. Led fieldwork and experimental design. Co-led formal quantitative analysis and writing.

Blankenship, B., Kennedy, R., Mahajan, A., **Wong, J. C. Y.**, & Urpelainen, J. (2020). [Increasing rural electrification through connection campaigns](#). *Energy Policy*. 139: 111291. **ABDC Journal Ranking A**

*Status:* Published *Type:* Single-blind Peer Review *Contribution:* Conceptualized and developed methodology. Contributed to the review & editing of the manuscript.

Blankenship, B., **Wong, J. C. Y.**, & Urpelainen, J. (2019). [Explaining willingness to pay for pricing reforms that improve electricity service in India](#). *Energy Policy*. 128: 459-469. **ABDC Journal Ranking A**

*Status:* Published *Type:* Single-blind Peer Review *Contribution:* Major co-author. Conceptualized and developed methodology. Contributed to conjoint experimental design, sampling techniques, and analysis. Review & editing of the manuscript.

Missirian, A, Frank, E.G., Gersony, J.T., **Wong, J. C. Y.**, Naeem, S. (2019). [Biodiversity and thermal ecological function: The influence of freshwater algal diversity on local thermal environments](#). *Ecology and Evolution* 9: 6949–695. **ABDC Journal Unranked, Impact Factor 2.6**

*Status:* Published *Type:* Single-blind Peer Review *Contribution:* Contributed to conceptualization and methodology. Full participation in laboratory work.

**Wong, J.C.Y.** (2018). [Aviation connectivity impacts on regional economies in the United States](#). *Transportation Research Record* 2672(29): 103–113. **ABDC Journal Ranking B**

*Status:* Published *Type:* Invited, mentor-reviewed per competitive *TRB ACRP Graduate Research Award*. The ACRP Selection Panel for the Graduate Research Award Program on Public-Sector Aviation Issues peer-reviewed this paper (18-04034). *Contribution:* Sole and first author. Predecessor to current working paper.

WORKING PAPERS Blue-sky thinking: Connectivity impacts on regional economies and innovation in the United States (with Florian Allroggen (MIT))

*Status:* Manuscript completed, pending submission *Contribution:* First author, developed causal design, produced all formal analysis and writing. Co-authors contributed parts of the data and reviewed/edited the manuscript.

Impact of sea level rise and aviation infrastructure in the United States (with Jerry Gao '25)

**Status:** Manuscript completed, pending submission **Contribution:** Lead author with student and alumni co-authors. Developed research design, produced analysis, and co-wrote the manuscript.

Valuing Economy Class Innovations and Fare Families: Evidence from a Conjoint Experiment (with Mark Albarez '25)

**Status:** Manuscript completed, pending submission **Contribution:** Thesis advisor and co-developed research design, directed analysis efforts and edited and rewrote the manuscript.

POLICY REPORTS Blankenship, B., Urpelainen, J. & **Wong, J. C. Y.**, (2019). [Rural Electricity Supply: Commodity or Entitlement?](#) *Columbia Center on Global Energy Policy*.

**Status:** Published **Type:** Non-peer reviewed policy report **Contribution:** Major co-author, reporting the willingness to pay for pricing reforms article in a policy-relevant context.

OTHER WORK Wong, J. 2012. [Climate Policy and Actor Networks: Interactive Climate Simulators - A Missing Actant](#). Cited in Tabassum, N. (2022) *The Politics of Climate Change Knowledge*, Routledge.

Wong, J. 2011. "Navigable" and the Clean Water Act - Legislation to Clarify Federal Jurisdiction is Necessary. Presented at College Park Scholars Academic Showcase, College Park, MD.

WORKS IN PROGRESS Multidimensional Flooding (with Tim Foreman (IIASA) and Ana Varela Varela (LSE))  
Friends from afar: Aviation connectivity and social connectedness (with Niklas Piringer (Harvard Kennedy School))

The Value of Information in the Airline Industry: Evidence from Overbooking (with Domenico Fabrizi (Católica Lisbon School of Business & Economics), William Burton (Uber Technologies), Daniel Fry (Alaska Airlines Group), and Adam Thorsteinson (Bitstrapped))

Vulnerability Assessment for Aviation Systems Tool: Economic Impacts of Natural Disasters (with NASA CAS BEARS)

Boarding soon: Climate change impacts on severe thunderstorm-related delays in aviation

Economics of Linguistic Diversity: Case of South Africa

Economics of Balikbayan: Non-market value of remittance and gifting culture

Long-run impact of SARS on educational attainment and socioeconomic outcomes in Hong Kong

Beyond the Textbook: Book Clubs as Engaged Learning Communities

HONORS AND AWARDS (SELECTED) **National/International**  
Finalist, German American Business Council Transatlantic Rising Leaders Award **2025**  
Mid-Career Professional Award, German Academic Exchange Service Alumni Association **2025**  
International Parliamentary Fellowship, Parliament of the Federal Republic of Germany **2018**  
National Academies Transportation Research Board Graduate Research Award **2016-2017**  
Phi Kappa Phi Walter and Adelheid Hohenstein Fellow **2013-2014**  
National Oceanic and Atmospheric Administration Ernest F. Hollings Scholar **2011-2013**  
National Science Foundation Graduate Research Fellowship (Honorable Mention) **2013**  
German Academic Exchange Service (DAAD) Undergraduate Scholar **2012-2013**  
Leuphana University of Lüneburg, *Germanic Studies; Public and Labor Economics (M.A. level)*

TEACHING  
EXPERIENCE

**Occidental College**

Center for Research and Scholarship Flash Grant	2022
Center for Research and Scholarship Microgrant and Article Production Grant	2021
Faculty Enrichment Grant	2021-22
Young Initiative Faculty Grant Program for Research in Global Affairs	2021-22

**London School of Economics and Political Science**

LSE Student Union Award for Masters Supervision (School-wide)	2020
LSE Class Teacher Award (Highly Commended) in Geography and Environment	2020

**Columbia University**

Graduate School of Arts and Sciences Ph.D. Convocation Student Speaker	2019
Presidential Award for Outstanding Teaching by Graduate Students	Won, 2017
Finalist/Honorable Mention, Presidential Award for Outstanding Teaching	2015, 2016
Wueller Teaching Award for Outstanding Teaching in Undergraduate Electives	Won, 2015
<i>Department of Economics</i>	Runner up, 2016

**Babson College**

ECN 7200 Managerial Economics (MBA)	Spring 2025
ECN 2002 Principles of Microeconomics	Fall 2023-24
ECN 3600 Urban and Land Use Economics (Advanced Experiential Course)	Spring 2024-25
ECN 3601 Political Economy of Sustainable Development: Germany (Abroad)	Spring 2024-25

**Occidental College**

ECON 312 Political Economy of Sustainable Development: Germany (Abroad)	Spring 2023
ECON 323 Urban Economics	Fall 2021, 2022
ECON 322 Economics of Sustainable Development	Fall 2020, Spring 2022
ECON 272 Applied Econometrics	Spring 2021-2023

**London School of Economics and Political Science**

GY121 Sustainable Development	Michaelmas Term 2019
GY428 Applied Quantitative Methods	Michaelmas Term 2019
GY489 MSc. Dissertations	Lent Term 2020

**Columbia University**

SDEV UN2300 Challenges of Sustainable Development	Spring 2015, 2016, 2017, 2018, 2019
ECON S/W4625 Economics of the Environment	Fall 2015, Summer 2017
ECON W4750 Globalization and its Risks	Fall 2014

**The City College of New York, City University of New York**

SUS 7400C/ECO B9526 Economics of Sustainability (Graduate Course)	Spring 2017
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**New York University**

ES 100 Environmental Systems Science	Fall 2015
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**Leuphana University of Lüneburg**

MOOC - ThinkTank: Ideal City of the 21st Century, led by Daniel Libeskind	Spring 2013
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**University of Maryland**

AREC 200 Chesapeake Bay Ecosystem: Science, Economics & Policy	Spring 2012
CPSP 239G Science and Global Change Practicum	Spring 2012
CPSP 118G The Nature of Science	Fall 2011

OTHER TRAINING	Babson AI & Technology Accelerator Program	<b>2025</b>
	Participated in a funded accelerator program focused on entrepreneurship, artificial intelligence, and technology policy. Explored the economic implications of AI in economics education.	
	EAERE-ETH European Winter School on Climate Policies, Innovation, and International Competitiveness	<b>2023</b>
	U Michigan ICPSR Summer Workshop: Machine Learning in the Social Sciences	<b>2021</b>
	EAERE-ETH European Winter School on Spatial Environmental and Resource Economics	<b>2020</b>
	Kraks Fond Hedonic Price Analysis and the Residential Location Choice Summer School	<b>2017</b>
	UC Berkeley Summer School in Environmental and Energy Economics	<b>2016</b>
	UC Berkeley BITSS Transparency & Reproducibility Summer Institute	<b>2016</b>
	Columbia University Certificate in Innovative Teaching	<b>2015</b>
SERVICE TO THE COLLEGE	<b>Babson College</b>	
	Member, Honors Council	<b>2024-Present</b>
	Faculty Advisor, Babson Sailing	<b>2025-Present</b>
	Judging Panel, Wooten Prize for Excellence in Writing	<b>2025-Present</b>
	Member, Student Commencement Speaker Committee	<b>2025-Present</b>
	Economics Division Liaison, Undergraduate Academic Policy Committee (UAPC)	<b>2023-2024</b>
	<b>Occidental College</b>	
	Member, International Programs Committee	<b>2021-2023</b>
	Lead, Remsen Bird Lectures Committee in Economics	<b>2020-2023</b>
	Member, DEI in Economics Subcommittee on Curriculum	<b>2020-2023</b>
	Member, Bennett Schwarz Grant in Economics	<b>2020-2023</b>
	Lead, ECON-UEP Student Research Colloquium with Seva Rodynansky	<b>Fall 2021</b>
	Economics Representative, Young Initiative on the Global Political Economy	<b>2020-2021</b>
SERVICE TO THE FIELD	North American Selection Committee Member, German Academic Exchange Service (DAAD)	
	Graduate Scholarship and Research Grant Program	<b>2025-Present</b>
	Reviewer, Energy Economics	<b>2022-Present</b>
	Reviewer, Energy Sources, Part B: Economics, Planning, and Policy	<b>2023-Present</b>
	Reviewer, Routledge (Textbooks in economics and transportation geography)	<b>2022-Present</b>
	Panelist, <i>Rethinking our Disposable Society: How to Build a Circular Economy</i> , LSE	<b>June 2022</b>
	Academic Director, Global Circular Challenge, London School of Economics	<b>2021-Present</b>
	NOAA Weather Program Office Social, Behavioral, and Economic Sciences Grant Reviewer	<b>2021</b>
VOLUNTEERING & COMMUNITY SERVICE	Volunteer Instructor of Sailing, Community Boating, Inc.	
	Young Professionals Committee Member, German-American Business Council of Boston	
	International Assistant Problem Captain, Translator, and Interpreter, Odyssey of the Mind	
	Board Member, Massachusetts Odyssey of the Mind	
LANGUAGES	Native/Fluent: English, Cantonese, Mandarin Chinese, German (C2)	
	Advanced Beginner: French (A2), Japanese (N5)	
	Goethe Institute C2 Certificate (Großes Deutsches Sprachdiplom)	<b>2017</b>
	NYU Deutsches Haus Certificate (C2 - Mastery)	<b>2017</b>
	Dual Certificate in Teaching Chinese and English as Foreign Languages,	<b>2016</b>
	Columbia University Teachers College and Beijing Language and Culture University	