

# Jason Chun Yu Wong

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## CONTACT INFORMATION

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## 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 *Energy Economics* (A\*) and *World Development* (A), with extensive cross-sector research experience.

## ACADEMIC APPOINTMENTS

**Babson College**, Babson Park, MA, USA  
 Assistant Professor of Economics August 2023 - Present

**Toulouse School of Economics**, Toulouse, France  
 Visiting Professor (Prof Invité) Fall 2023

**London School of Economics and Political Science**, London, UK  
 Visiting Fellow, Department of Geography and Environment September 2020 - Present  
 LSE Fellow in Environmental Economics June 2019-August 2020

**Occidental College**, Los Angeles, CA, USA  
 Assistant Professor of Economics August 2020 - August 2023

## APPLIED POLICY CONSULTING & CONTRACTED RESEARCH

**National Aeronautics and Space Administration Langley Research Center**, Hampton, VA  
 Economist, Convergent Aeronautics Solutions (CAS) via Ensemble Consultancy Apr-Oct 2025

- 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.
- Designed and implemented a causal-impact framework linking historical hurricane disruptions (e.g., Harvey, Sandy, Ian) to economic losses across airports, airlines, and passengers.
- Co-authored AIAA conference paper on VAAST (Vulnerability Assessment for Aviation Systems Tool), integrating economic valuation into aircraft technology portfolio design for R&D prioritization.
- Produced geospatial, time-series, and cross-sectional models to simulate infrastructure vulnerability, airline network disruptions, and public-sector loss exposure.
- Synthesized experimental and scenario-based modeling into dashboards and prototypes for internal NASA strategy, with focus on adaptation and innovation metrics.

**Transportation Research Board, National Academies of Science and Engineering**  
 Airport Cooperative Research Program Graduate Awardee 2016-17

**National Marine Fisheries Service Southeast Science Center**, St. Petersburg, FL  
 Systems Analyst II via ECS Federal, LLC. 2015-16

EDUCATION	<b>Columbia University</b> , New York, NY, USA Ph.D., Sustainable Development M.Phil., Sustainable Development M.A., Sustainable Development	<b>May 2019</b> <b>May 2017</b> <b>May 2016</b>
	<b>Massachusetts Institute of Technology</b> , Cambridge, MA, USA Exchange Scholar, Laboratory for Aviation and the Environment	<b>2016-2017</b>
	<b>University of Maryland</b> , College Park, MD, USA B.S., Environmental Science and Policy (Environmental Economics), <i>summa cum laude</i> B.A., Germanic Studies, <i>summa cum laude</i> <i>Certificate in Science, Technology, and Society; Minor in Statistics</i>	<b>May 2013</b> <b>May 2013</b>
BOOKS	Goodstein, E. S., <b>Wong, J.C.Y.</b> , Polasky, S. (2025). <i>Economics of the Environment</i> , 10th Ed., Wiley. ISBN: 978-1-394-30791-3	
	<p><b>Status:</b> Published <b>Type:</b> Economics Textbook, <b>Leading Global Academic Press</b> <b>Contribution:</b> 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</p>	
PUBLICATIONS	<b>Wong, J. C.Y.</b> , 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. (2025). <i>Economic Impact Modeling of Flood-Related Airport Disruptions: A Prototype for Integrated Resilience</i> . NASA Technical Memorandum. National Aeronautics and Space Administration.	
	<p><b>Status:</b> Published <b>Type:</b> NASA Technical Memorandum <b>Contribution:</b> 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.</p>	
	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., & <b>Wong, J. C.Y.</b> (2025). <i>Building Resilience in Aviation: Economic Impacts of Disasters and Future Adaptations</i> . AIAA Aviation Forum and ASCEND 2025 (Paper No. AIAA 2025-3103).	
	<p><b>Status:</b> Published <b>Type:</b> Conference Paper/Proceedings <b>Contribution:</b> Co-author, wrote Section VII on Future Economic Impact Modeling and participated in review and edits.</p>	
	<b>Wong, J.C.Y.</b> , Blankenship, B., Urpelainen, J., Harish, S.P. (2022). <i>Increasing microsolar technology adoption: Comparing the efficacy of vouchers, cash transfers, and microfinance schemes</i> . <i>Energy Economics</i> 110: 105952. <b>ABDC Journal Ranking A*</b>	
	<p><b>Status:</b> Published <b>Type:</b> Single-blind Peer Review <b>Contribution:</b> Joint first author, field-based RCT with multiple treatment arms. Conceptualized and developed methodology with co-authors. Co-led formal quantitative analysis and writing.</p>	
	<b>Wong, J.C.Y.</b> , Blankenship, B., Urpelainen, J., Balani, K., Ganesan, K., Bharadwaj, K. (2022). <i>Understanding electricity billing preferences in rural and urban India: Evidence from a conjoint experiment</i> . <i>Energy Economics</i> 106: 105735. <b>ABDC Journal Ranking A*</b>	
	<p><b>Status:</b> Published <b>Type:</b> Single-blind Peer Review <b>Contribution:</b> 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.</p>	

**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. **Scrimago Journal Ranking Q1**

**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)*

**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**

	<b>London School of Economics and Political Science</b> LSE Student Union Award for Masters Supervision (School-wide) LSE Class Teacher Award (Highly Commended) in Geography and Environment	<b>2020</b> <b>2020</b>
	<b>Columbia University</b> Graduate School of Arts and Sciences Ph.D. Convocation Student Speaker Presidential Award for Outstanding Teaching by Graduate Students Finalist/Honorable Mention, Presidential Award for Outstanding Teaching Wueller Teaching Award for Outstanding Teaching in Undergraduate Electives <i>Department of Economics</i>	<b>2019</b> Won, <b>2017</b> <b>2015, 2016</b> Won, <b>2015</b> Runner up, <b>2016</b>
TEACHING EXPERIENCE	<b>Babson College</b> ECN 7200 Managerial Economics (MBA) ECN 2002 Principles of Microeconomics ECN 3600 Urban and Land Use Economics (Advanced Experiential Course) ECN 3601 Political Economy of Sustainable Development: Germany (Abroad)	<b>Spring 2025</b> <b>Fall 2023-24</b> <b>Spring 2024-25</b> <b>Spring 2024-25</b>
	<b>Occidental College</b> ECON 312 Political Economy of Sustainable Development: Germany (Abroad) ECON 323 Urban Economics ECON 322 Economics of Sustainable Development ECON 272 Applied Econometrics	<b>Spring 2023</b> Fall 2021, 2022 <b>Fall 2020, Spring 2022</b> <b>Spring 2021-2023</b>
	<b>London School of Economics and Political Science</b> GY121 Sustainable Development GY428 Applied Quantitative Methods GY489 MSc. Dissertations	<b>Michaelmas Term 2019</b> <b>Michaelmas Term 2019</b> <b>Lent Term 2020</b>
	<b>Columbia University</b> SDEV UN2300 Challenges of Sustainable Development ECON S/W4625 Economics of the Environment ECON W4750 Globalization and its Risks	<b>Spring 2015, 2016, 2017, 2018, 2019</b> <b>Fall 2015, Summer 2017</b> <b>Fall 2014</b>
	<b>The City College of New York, City University of New York</b> SUS 7400C/ECO B9526 Economics of Sustainability (Graduate Course)	<b>Spring 2017</b>
	<b>New York University</b> ES 100 Environmental Systems Science	<b>Fall 2015</b>
	<b>Leuphana University of Lüneburg</b> MOOC - ThinkTank: Ideal City of the 21st Century, led by Daniel Libeskind	<b>Spring 2013</b>
	<b>University of Maryland</b> AREC 200 Chesapeake Bay Ecosystem: Science, Economics & Policy CSPS 239G Science and Global Change Practicum CSPS 118G The Nature of Science	<b>Spring 2012</b> <b>Spring 2012</b> <b>Fall 2011</b>
OTHER TRAINING	Babson AI & Technology Accelerator Program 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 U Michigan ICPSR Summer Workshop: Machine Learning in the Social Sciences	<b>2025</b> <b>2023</b> <b>2021</b>

	EAERE-ETH European Winter School on Spatial Environmental and Resource Economics Kraks Fond Hedonic Price Analysis and the Residential Location Choice Summer School UC Berkeley Summer School in Environmental and Energy Economics UC Berkeley BITSS Transparency & Reproducibility Summer Institute Columbia University Certificate in Innovative Teaching	2020 2017 2016 2016 2015
SERVICE TO THE COLLEGE	<b>Babson College</b> Member, Honors Council Faculty Advisor, Babson Sailing Judging Panel, Wooten Prize for Excellence in Writing Member, Student Commencement Speaker Committee Economics Division Liaison, Undergraduate Academic Policy Committee (UAPC)	2024-Present 2025-Present 2025-Present 2025-Present 2023-2024
	<b>Occidental College</b> Member, International Programs Committee Lead, Remsen Bird Lectures Committee in Economics Member, DEI in Economics Subcommittee on Curriculum Member, Bennett Schwarz Grant in Economics Lead, ECON-UEP Student Research Colloquium with Seva Rodynansky Economics Representative, Young Initiative on the Global Political Economy	2021-2023 2020-2023 2020-2023 2020-2023 Fall 2021 2020-2021
SERVICE TO THE FIELD	North American Selection Committee Member, German Academic Exchange Service (DAAD) Graduate Scholarship and Research Grant Program Reviewer, Energy Economics Reviewer, Energy Sources, Part B: Economics, Planning, and Policy Reviewer, Routledge (Textbooks in economics and transportation geography) Panelist, <i>Rethinking our Disposable Society: How to Build a Circular Economy</i> , LSE June 2022 Academic Director, Global Circular Challenge, London School of Economics NOAA Weather Program Office Social, Behavioral, and Economic Sciences Grant Reviewer	2025-Present 2022-Present 2023-Present 2022-Present 2021-Present 2021
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) NYU Deutsches Haus Certificate (C2 - Mastery) Dual Certificate in Teaching Chinese and English as Foreign Languages, Columbia University Teachers College and Beijing Language and Culture University	2017 2017 2016