

Jason Chun Yu Wong

CONTACT INFORMATION	Economics Division, Babson College 231 Forest Street, Westgate Hall Room 313 Babson Park, MA 02457, USA	<i>T : +1 (781) 239-4267 E : jasonwong@babson.edu W : https://jasoncwong.com</i>
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. 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</i> (A*) and <i>World Development</i> (A), with extensive cross-sector research experience. Participant in Babson's AI & Technology Accelerator, exploring economic implications of AI adoption and the integration of AI and technological change in economics education.	
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 LSE Fellow in Environmental Economics	September 2020 - Present 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	2025-Present
	<ul style="list-style-type: none"> Lead developer of 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	Columbia University , New York, NY, USA Ph.D., Sustainable Development M.Phil., Sustainable Development M.A., Sustainable Development	May 2019 May 2017 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), <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>	May 2013 May 2013
BOOKS	Goodstein, E. S., Wong, J.C.Y. , Polasky, S. (2025). <i>Economics of the Environment</i> , 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	
JOURNAL PUBLICATIONS	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. <i>Energy Economics</i> 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. <i>Energy Economics</i> 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. <i>World Development</i> 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. <i>Energy Policy</i> . 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. <i>Energy Policy</i> . 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 (Completed, 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.

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

Impact of sea level rise and aviation infrastructure in the United States

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))

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

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)

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

National/International

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, <i>Germanic Studies; Public and Labor Economics (M.A. level)</i>	

TEACHING
EXPERIENCE

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
New York University ES 100 Environmental Systems Science	Fall 2015
Leuphana University of Lüneburg MOOC - ThinkTank: Ideal City of the 21st Century, led by Daniel Libeskind	Spring 2013
University of Maryland AREC 200 Chesapeake Bay Ecosystem: Science, Economics & Policy CSPS 239G Science and Global Change Practicum CSPS 118G The Nature of Science	Spring 2012 Spring 2012 Fall 2011
OTHER TRAINING	
Babson AI & Technology Accelerator Program	2025
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	2023
U Michigan ICPSR Summer Workshop: Machine Learning in the Social Sciences	2021
EAERE-ETH European Winter School on Spatial Environmental and Resource Economics	2020
Kraks Fond Hedonic Price Analysis and the Residential Location Choice Summer School	2017
UC Berkeley Summer School in Environmental and Energy Economics	2016
UC Berkeley BITSS Transparency & Reproducibility Summer Institute	2016
Columbia University Certificate in Innovative Teaching	2015
SERVICE TO THE COLLEGE	
Babson College	
Economics Division Liaison, Undergraduate Academic Policy Committee (UAPC)	2023-Present
Member, Honors Council	2024-Present
Judging Panel, Wooten Prize for Excellence in Writing	2025-Present
Member, Student Commencement Speaker Committee	2025-Present
Occidental College	
Member, International Programs Committee	2021-2023
Lead, Remsen Bird Lectures Committee in Economics	2020-2023
Member, DEI in Economics Subcommittee on Curriculum	2020-2023
Member, Bennett Schwarz Grant in Economics	2020-2023
Lead, ECON-UEP Student Research Colloquium with Seva Rodynansky	Fall 2021
Economics Representative, Young Initiative on the Global Political Economy	2020-2021
SERVICE TO THE FIELD	
Reviewer, Energy Economics	2022-Present
Reviewer, Energy Sources, Part B: Economics, Planning, and Policy	2023-Present
Reviewer, Routledge (Textbooks in economics and transportation geography)	2022-Present
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	2021-Present
NOAA Weather Program Office Social, Behavioral, and Economic Sciences Grant Reviewer	2021
LANGUAGES	
Native/Fluent: English, Cantonese, Mandarin Chinese, German (C2)	
Advanced Beginner: French (A2), Japanese (N5)	
Goethe Institute C2 Certificate (Großes Deutsches Sprachdiplom)	2017