

## Jason Chun Yu Wong

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### CONTACT INFORMATION

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### RESEARCH INTERESTS EDUCATION

Urban Economics, Environmental Economics, Empirical Methods, Infrastructure and Energy Policy

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

Ph.D., Sustainable Development

**2019 (*Expected*)**

- Dissertation Title: “Aviation and Sustainable Development”
- Dissertation Sponsor: Scott Barrett

M.Phil., Sustainable Development

**2017**

M.A., Sustainable Development

**2016**

- Thesis: “Business diversity and coastal resilience in the U.S. South: Does coastal weather risk affect the socioeconomic structures of coastal communities?”
- Advisor: Benjamin Orlove

#### **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)

**2013**

- Honors Thesis: “Investigating a potential incentive program to encourage the adoption of Rain Gardens: A study of contingent behavior in Howard County, MD” - *with High Honors*
- Advisor: Anna Alberini

B.A., Germanic Studies

**2013**

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

### JOB MARKET PAPER

**Blue-sky thinking: Connectivity impacts on regional economies and innovation in the United States** ([Click here for the most recent version.](#))

How do connections enabled by commercial aviation affect long-run economic growth and innovation? This paper studies the effects of aviation connectivity on regional economies in the United States. I construct a novel set of instruments based on the historical institutional and physical requirements for expanded air connectivity. To account for the network nature of aviation infrastructure, I use an improved measure of aviation activity—the Global Connectivity Index developed by Allroggen and coauthors. After accounting for endogeneity, I find that a 1% increase in a core-based statistical area (CBSA)’s Global Connectivity Index is associated with an increase in long-term total personal income by 1.7% and 6 more granted patents. Finally, I find that the impact of connectivity on regional economies is significantly more pronounced in the largest 100 cities, while these effects vanish in smaller cities. This paper shows, for the first time, the impact of aviation connectivity on innovation and provides suggestive evidence for aviation’s role in strengthening agglomeration economies.

PUBLICATIONS	Blankenship, B., <b>Wong, J. C.</b> , & Urpelainen, J. (2019). Explaining willingness to pay for pricing reforms that improve electricity service in India. <i>Energy Policy</i> . (Accepted, forthcoming).		
	<b>Wong, J.C.</b> (2018). Aviation connectivity impacts on regional economies in the United States. <i>Transportation Research Record</i> . <a href="https://doi.org/10.1177/0361198118799704">https://doi.org/10.1177/0361198118799704</a>		
WORKING PAPERS	Is there a rural-urban gap in energy access preferences? Evidence from electricity service in India (Submitted, with J. Urpelainen and B. Blankenship)		
	Biodiversity and thermal ecological function: The influence of freshwater algal diversity on local thermal environments (Submitted, with A. Missirian, E. Frank, J. Gersony and S. Naeem)		
	To steal, or not to steal: Attitudes towards electricity theft in northern India (Draft complete, with J. Urpelainen and B. Blankenship)		
WORKS IN PROGRESS	Bundling Private and Public Goods versus Offsetting Externalities		
	Climate Change Impacts on Aviation		
	Increasing Rural Electrification Through Connection Campaigns (with J. Urpelainen, B. Blankenship, R. Kennedy, and A. Mahajan)		
HONORS AND AWARDS (SELECTED)	<b>Columbia University</b>		
	Dean's Fellow		<b>2013-2018</b>
	Presidential Award for Outstanding Teaching by Graduate Students		Won, <b>2017</b>
	Finalist/Honorable Mention, Presidential Award for Teaching		<b>2015, 2016</b>
	Wueller Teaching Award for Outstanding Teaching in Undergraduate Electives		Won, <b>2015</b>
	<i>Department of Economics</i>		Runner up, <b>2016</b>
	Lead Teaching Fellow		<b>2015-2016</b>
	<b>National/International</b>		
	International Parliamentary Fellowship, Parliament of the Federal Republic of Germany		<b>2018</b>
	National Academies Transportation Research Board Graduate Research Award		<b>2016-2017</b>
	Phi Kappa Phi Walter and Adelheid Hohenstein Fellow		<b>2013-2014</b>
	National Oceanic and Atmospheric Administration Ernest F. Hollings Scholar		<b>2011-2013</b>
	National Science Foundation Graduate Research Fellowship (Honorable Mention)		<b>2013</b>
	German Academic Exchange Service (DAAD) Undergraduate Scholar		<b>2012-2013</b>
	Leuphana University of Lüneburg, <i>Germanic Studies; Public and Labor Economics (M.A. level)</i>		
	Morris K. and Stewart L. Udall Undergraduate Scholarship (Honorable Mention)		<b>2012</b>
	<b>University of Maryland</b>		
	Graduated <i>summa cum laude</i> , Phi Beta Kappa, Phi Kappa Phi, Omnicon Delta Kappa		<b>2013</b>
	College of Arts and Humanities Dean's Senior Scholar		<b>2013</b>
	Senior Marshal; College of Agricultural & Natural Resources Commencement Speaker		<b>2013</b>
	University Libraries Undergraduate Research Award		<b>2012</b>
	German Society of Maryland Dr. Kurrelmeyer Zintl Merit Award for German Majors		<b>2012</b>
	College Park Scholar in Science and Global Change		<b>2009-2011</b>
TEACHING EXPERIENCE	<b>Columbia University</b>		
	<i>Instructor/Co-Instructor</i>		
	SDEV UN2300 Challenges of Sustainable Development	<b>Spring 2016, 2017, 2018, 2019</b>	
	ECON S4625 Economics of the Environment		<b>Summer 2017</b>

	<i>Teaching Fellow</i>	
	ECON W4625 Economics of the Environment	<b>Fall 2015</b>
	SDEV W2300 Challenges of Sustainable Development	<b>Spring 2014</b>
	ECON W4750 Globalization and its Risks	<b>Fall 2014</b>
	<b>The City College of New York, City University of New York</b>	
	<i>Adjunct Instructor</i>	
	SUS 7400C/ECO B9526 Economics of Sustainability (Graduate Course)	<b>Spring 2017</b>
	<b>New York University</b>	
	<i>Adjunct Instructor/Recitation Leader</i>	
	ES 100 Environmental Systems Science	<b>Fall 2015</b>
	<b>Leuphana University of Lüneburg</b>	
	<i>Mentor &amp; Teaching Assistant</i>	
	MOOC - ThinkTank: Ideal City of the 21st Century, led by Daniel Libeskind	<b>Spring 2013</b>
	<b>University of Maryland</b>	
	<i>Teaching Assistant</i>	
	AREC 200 Chesapeake Bay Ecosystem: Science, Economics & Policy	<b>Spring 2012</b>
	CPSP 239G Science and Global Change Practicum	<b>Spring 2012</b>
	CPSP 118G The Nature of Science	<b>Fall 2011</b>
OTHER TRAINING	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>
LANGUAGES	Native/Fluent: English, Cantonese, Mandarin Chinese, German (C2)	
	Elementary: French, Japanese	
	MIT German Studies Excellence Award, Runner-up (Swiss Special Prize)	<b>2017</b>
	Goethe Institut Großes Deutsches Sprachdiplom (C2 Certificate)	<b>2017</b>
	NYU Deutsches Haus Certificate (C2 - Mastery)	<b>2017</b>
	Columbia Doctoral German Reading Proficiency Exam	<b><i>Passed with Distinction</i> 2013</b>
	Dual Certificate in Teaching Chinese and English as Foreign Languages,	<b>2016</b>
	Columbia University Teachers College and Beijing Language and Culture University	
SERVICE AND LEADERSHIP	Peer Advocate, Gay Health Advocacy Project, Columbia Health	<b>2017-Present</b>
	Co-Chair, Sustainable Development Doctoral Student Committee	<b>2017-2018</b>
	Vice President, Sustainable Development Doctoral Society	<b>2014-2016</b>
	Volunteer Translator and Interpreter, Odyssey of the Mind Competitions	<b>2011-Present</b>
	Presenter, Peer Review Week, German Council for Sustainable Development	<b>2013</b>
	Participant, “Contemporary Carlowitz” – Young Impulse for German Sustainability Politics,	
	German Council for Sustainable Development and Bertelsmann Foundation	<b>2013</b>
	Participant, German Federal Environmental Agency First European Resources Forum	<b>2012</b>
PROFESSIONAL AFFILIATIONS	Urban Economics Association	
	MIT Laboratory for Aviation and the Environment	
	University of Copenhagen Faculty of Law Transatlantic Maritime Emissions Research Network	
	Columbia University Earth Institute Center for Sustainable Urban Development	
	Johns Hopkins SAIS Initiative for Sustainable Energy Policy (Student Fellow)	