ANIRUDDH MOHAN

Department of Engineering and Public Policy,
5215 Wean Hall, Carnegie Mellon University, Pittsburgh, PA 15213

EDUCATION

Carnegie Mellon University, Pittsburgh, PA, United States — 2018-Present
PhD in Engineering and Public Policy
Thesis Committee: Parth Vaishnav, Venkat Viswanathan (CMU Mechanical Engineering)
Nicholas Z. Muller, Jeremy Michalek, Jessika Trancik (MIT IDSS)

University of Cambridge, Cambridge, United Kingdom — 2012-2013
MPhil - Nuclear Energy

University of Manchester, Manchester, United Kingdom — 2009-2012
First Class BEng. Hons. Mechanical Engineering

SELECTED HONORS AND AWARDS

Carnegie Mellon University Presidential Fellowship — 2020

Herbert L. Toor Award for Best Paper – Department of Engineering and Public Policy PhD Qualifying Exams, Carnegie Mellon University — 2020

People's Choice Award – Carnegie Mellon Energy Week Poster Competition — 2019

Second Prize – Columbia University International Energy Case Competition — 2019

Alexander von Humboldt Foundation International Climate Protection Fellowship — 2017

British Petroleum Scholarship for Outstanding Students- University of Manchester — 2011

British Petroleum Scholarship for Outstanding Students - University of Manchester — 2010

ACADEMIC JOURNAL PUBLICATIONS

UNFCCC must confront the political economy of net-negative emissions
One Earth (2021)
Aniruddh Mohan, Oliver Geden, Mathias Fridahl, Holly Jean Buck, Glen P. Peters

Trade-offs between automation and light vehicle electrification
Nature Energy (2020)
Aniruddh Mohan, Shashank Sripad, Parth Vaishnav, Venkat Viswanathan

Is India pulling its weight? India's nationally determined contribution and future energy plans in global climate policy
Climate Policy (2019)
Aniruddh Mohan, Timon Wehnert

India's energy future: Contested narratives of change
Energy Research & Social Science (2018)
Aniruddh Mohan, Kilian Topp

From Rio to Paris: India in Global Climate Politics
Rising Powers Quarterly (2017)
Aniruddh Mohan

Whose land is it anyway? Energy futures & land use in India
Energy Policy (2017)
Aniruddh Mohan

Plus ça change, plus c'est la même chose: Adaptation in the Paris Agreement
India Quarterly (2016)
Vikrom Mathur, **Aniruddh Mohan**

UNDER REVIEW

Impact of automation on long-haul trucking operator-hours in the United States
Aniruddh Mohan, Parth Vaishnav

WORKING PAPERS / PREPRINTS

Sustained cost declines in solar PV and battery storage needed to eliminate coal generation in India
arXiv preprint (2021)
Aniruddh Mohan, Shayak Sengupta, Parth Vaishnav, Rahul Tongia, Asim Ahmed, Ines L. Azevedo

The Growth of Nations Revisited: Global Environmental Accounting from 1998 to 2018.
National Bureau of Economic Research Working Paper Series (2020)
Aniruddh Mohan, Nicholas Z. Muller, Akshay Thagyarajan, Randall V. Martin, Melanie S. Hammer, Aaron von Donkelaar

WORK EXPERIENCE

Wuppertal Institute for Climate, Environment & Energy, Wuppertal, Germany — 2017-2018
Alexander von Humboldt Foundation International Climate Protection Fellow

Observer Research Foundation, New Delhi, India — 2015-2016
Junior Fellow

Institute for Defense Studies & Analyses, New Delhi, India — 2014
Research Intern

INVITED TALKS & PRESENTATIONS

"Emerging trade-offs and opportunities in sustainable urban mobility." *Princeton University, Department of Civil and Environmental Engineering, Remote* (February 2022)

"Tradeoffs between automation and light vehicle electrification" *Transportation Research Board 101st Annual Meeting, Subcommittee on Energy and Demand Implications of Connected and Automated Vehicles, AMS30(3), Washington D.C.* (January 2022)

"Impact of automation on long haul trucking operator hours in the United States" *Transportation Research Board 101st Annual Meeting, Washington D.C.* (January 2022) [Poster]

"Tradeoffs between automation and light vehicle electrification" *Transportation Research Board 101st Annual Meeting, Washington D.C.* (January 2022) [Poster]

"Sustained cost declines in solar PV and battery storage needed to eliminate coal generation in India." *United States Association for Energy Economics (USAEE), Remote* (November 2021)

"Tradeoffs between automation and light vehicle electrification." *United States Association for Energy Economics (USAEE), Remote* (November 2021)

"Sustained cost declines in solar PV and battery storage needed to eliminate coal generation in India." *Battery Modelling Webinar Series (BWMS), Remote* (August 2021)

"The growth of nations revisited: global environmental accounting from 1998 to 2018." *ETH Zurich Sustainability Academy, Remote* (September 2020)

"Automation is no barrier to light vehicle electrification" *Florida Autonomous Vehicles Summit, Miami, Florida* (November 2019) [Poster]

"Automation is no barrier to light vehicle electrification" *Carnegie Mellon Electricity Industry Center Annual Meeting, Pittsburgh, PA* (October 2019)

"Can autonomous light vehicles be fully electric?" *Centre for Climate and Energy Decision Making Annual Meeting, Pittsburgh, PA* (May 2019)

"Can autonomous light vehicles be fully electric?" *Centre for Climate and Energy Decision Making Seminar, Pittsburgh, PA* (April 2019)

"Can autonomous light vehicles be fully electric?" *Carnegie Mellon University Energy Week Poster Competition, Pittsburgh, PA* (March 2019) [Poster]

"The social dimensions of energy transitions in India" *Alexander von Humboldt Foundation International Climate Protection Fellowship Seminar, Berlin, Germany* (February 2018)

"Non-state actors and equity in global climate policy" *United Nations Framework Convention on Climate Change (UNFCCC) Subsidiary Body 46 Conference, Bonn, Germany* (May 2017)

MEDIA COVERAGE

Bloomberg, **Why the Cars of Our Self-Driving Future Will Be Electric,** July 2020

Wired, **The intersection between self-driving cars and electric cars, July** 2020

E&E news, **Will self-driving cars slow the EV boom? It depends,** July 2020

Greencar Congress, **CMU team evaluates range and battery trade-offs between vehicle automation and electrification,** July 2020

Axios, The case for all-electric self-driving cars, June 2020

Carnegie Mellon University Press release, **The electric future of autonomous vehicles,** June 2020

GRADUATE COURSEWORK

Engineering: Probability and Estimation Methods for Engineering Systems; Practical Data Science; Applied Data Analysis; Engineering Optimization

Energy & Climate: Seminar in Electricity Market Restructuring; Sustainability, Energy, and Environmental Economics; Optimization Models for Power System Operation, Planning & Monitoring

Economics & Policy: PhD Microeconomics; Theory & Practice in Policy Analysis; Quantitative Methods for Policy Analysis; Applied Policy Analysis; Macroeconomics

TEACHING EXPERIENCE

Carnegie Mellon University

Teaching Assistant, Applied Methods for Technology-Policy Analysis (Spring 2020)

Participant - Future Faculty Program, Eberly Center for Teaching Excellence & Innovation (Fall 2021)

PROFESSIONAL SERVICE

Expert Reviewer — *Joule, Energy Policy*, *Climate Policy, iScience*, *Energy Research & Social Science, Energy Advances*

SELECTED OPINION COLUMNS & COMMENTARY

VoxEU, Growth, sustainability, and the measurement of global gross product [with Akshay Thagyarajan, Nicholas Z. Muller], July 2020

Hindustan Times, **Covid-19: India needs a green economic stimulus** [with Madalsa Singh], April 2020

The Wire, **NITI Aayog's Draft Energy Policy Shows We Still Remain a Country of Coal Men**, July 2017

Quint, **Make Nuclear Indian Again: Why Toshiba's Exit Is Not All Bad News,** February 2017

Australian Strategic Policy Institute, **Indian Climate Policy in a Post-Paris World** [with Samir Saran], February 2016

Brookings, **The time for a "New Deal" for climate change is now,** September 2015

LANGUAGE & PROGRAMMING SKILLS

Languages	English, Hindi, Spanish (European Level B1), German (European Level A2)
Programming	Proficient in MATLAB, Julia, GAMS, Python, R