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APPOINTMENTS

- 2016– University of Michigan
Associate Professor, Department of Political Science
Research Associate Professor, Center for Political Studies, ISR
- 2010–16 University of Michigan
Assistant Professor, Department of Political Science
Faculty Associate, Center for Political Studies, ISR

AFFILIATIONS

- 2016– Research Affiliate, International Growth Centre (IGC)
- 2016– Faculty Affiliate, Michigan Institute for Data Science (UM)
- 2015– Faculty Associate, Program in the Environment (UM)
- 2012– Faculty Affiliate, Program in Philosophy, Politics & Economics (UM)
Faculty Affiliate, Center for South Asian Studies (UM)

EDUCATION

- 2010 Ph.D. in Political Science, University of California, Los Angeles
·Dissertation: “Democracy and Light: Public Service Provision in the Developing World”
·Gabriel Almond Award for Best Dissertation in Comparative Politics, American Political Science Association
- 2001 M.P.P., Harvard University, Kennedy School of Government
- 1997 B.A., Cornell University

BOOK

- 2015 *Power and the Vote: Elections and Electricity in the Developing World*.
New York: Cambridge University Press.

ARTICLES

- 2024 “Lost in the Dark: A Survey of Energy Poverty from Space” (with Zachary O’Keeffe, Babatunde Abidoye, Kwawu Mensan Gaba, Trevor Monroe, Benjamin Stewart, Kimberly Baugh, Bruno Sanchez-Andrade Nuno). *Joule* 8(7):1982–1998.

- 2024 “Women Legislators and Economic Performance” (with Thushyanthan Baskaran, Sonia Bhalotra, and Yogesh Uppal). *Journal of Economic Growth* 29:151–214.
- 2023 “Local Partisan Biases in Allocations of Foreign Aid: A Study of Agricultural Assistance in India” (with Eugenio Arima, David Backer, Allen Hicken, Ken Kollman, and Joel Selway). *World Politics* 75(1):43–98.
- 2015 “Election Cycles and Electricity Provision: Evidence from a Quasi-experiment with Indian Special Elections” (with Thushyanthan Baskaran and Yogesh Uppal). *Journal of Public Economics* 126:64–73.
- 2014 “Tracking Electrification in Vietnam Using Nighttime Lights” (with Kwawu Mensan Gaba). *Remote Sensing* 6(10):9511–9529.
- 2014 “Electoral Cycles in Electricity Losses in India” (with Miriam Golden). *Energy Policy* 65:619–625.
- 2013 “Detection of Rural Electrification in Africa using DMSP-OLS Night Lights Imagery” (with Kwawu Mensan Gaba, Ousmane Fall Sarr, Alassane Agalassou). *International Journal of Remote Sensing* 34(22):8118–8141.
- 2013 “Distributive Politics Around the World” (with Miriam Golden). *Annual Review of Political Science* 16:73–99.
- 2010 “Why Do Ethnic Groups Rebel? New Data and Analysis” (with Lars-Erik Cederman and Andreas Wimmer). *World Politics* 62(1):87–119.
- 2009 “The Location and Purpose of Wars Around the World, 1816–2001” (with Andreas Wimmer). *International Interactions* 35(4):390–417.
- 2009 “Ethnic Politics and Armed Conflict: A Configurational Analysis” (with Andreas Wimmer and Lars-Erik Cederman). *American Sociological Review* 74(2):316–337.
 ·Translated into German as “Ethnische Politik und Bewaffnete Konflikte.” *Politische Vierteljahresschrift Sonderheft* 43. 2009.
 ·Reprinted as “Ethnic Diversity, Political Exclusion and Armed Conflict.” In Marc Weller (Ed.). *Political Participation of Minorities*. Oxford University Press. 2010.
- 2008 “Baghdad Nights: Evaluating the U.S. Military Surge Using Night Light Signatures” (with John Agnew, Thomas W. Gillespie, and Jorge Gonzalez). *Environment and Planning A* 40(10):2285–2295.
- 2006 “From Empire to Nation-State: Explaining War in the Modern World, 1816–2001” (with Andreas Wimmer). *American Sociological Review* 71(6):867–897.
 ·2007 Best Article Award, Political Sociology Section, American Sociological Association.
 ·2007 Best Article Award, Comparative Historical Sociology Section, American Sociological Association.

BOOK CHAPTERS

- 2010 “War and the Global Spread of the Nation-State” (with Andreas Wimmer). In Mathias Albert, Lars-Erik Cederman, and Alexander Wendt (Eds.). *New Systems Theories of World Politics*. New York: Palgrave MacMillan.
- 2007 “Ethnicity and War in a World of Nation-States” (with Andreas Wimmer). In Helmut Anheier and Raj Isar (Eds.). *Cultures, Conflict, and Globalization*. New York: Sage Publications.

REPORTS

- 2019 “Mainstreaming Disruptive Technologies in Energy” (with Kwawu Mensan Gaba, Olaf Veerman, and Kimberly Baugh). World Bank Report No. 138943.
- 2017 “Whose Power Gets Cut? Using High-Frequency Satellite Images to Measure Power Supply Irregularity” (with Fan Zhang and Zachary O’Keeffe). World Bank Report No. WPS8131.
- 2016 “Using Satellite Imagery to Monitor Progress of Rural Electrification” (with Kwawu Gaba, Chris Elvidge, and Anand Thakker). World Bank Report No. ACS19333.

OTHER WRITING

- 2012 “Energy Politics and What it Means for the Climate.” *International Institute Journal*. University of Michigan. Spring issue.
- 2005 “Understanding Private-Sector Decision Making for Early-Stage Technology Development” (with Philip Auerswald, Lewis Branscomb, and Nicholas Demos). NIST GCR 02-841A, U.S. Department of Commerce.
- 2004 Book review of *Technology and the New Economy*, Bai and Yuen (Eds.). *Journal of Asian Business* 20(2):83. 2004.

WORK IN PROGRESS

“Political Favoritism and the Targeting of Power Outages: Evidence from Ghana’s Electricity Crisis’

“Why The Power Goes Out: Blackouts and the Democratic Quality Deficit.”

DATASETS

Light Every Night (with the World Bank and NOAA). Complete 250TB archive of all nightly VIIRS and DMSP-OLS nighttime imagery, 1993–present. Data available at:

<https://registry.opendata.aws/wb-light-every-night/>

High Resolution Electricity Access (HREA) Indicators. Computationally-derived measures of energy access, reliability, and usage across the world, 2012–2020. Data available at:

<https://hrea.isr.umich.edu>

nightlights.io Twenty years of India at Night (with the World Bank and DevSeed). Satellite-based light output of all Indian villages, 1993–2013. Data available at:

<http://api.nightlights.io>

Ethnic Power Relations (with Lars-Erik Cederman and Andreas Wimmer). Politically relevant ethnic groups and their access to state power in all countries, 1946–2005. Available at: <http://dvn.iq.harvard.edu/dvn/dv/epr>

Territorial Data, 1816-2001 (with Andreas Wimmer). Historical estimates of political, geographic, and economic conditions with fixed geographic “territories” instead of states as units of analysis. Available at: <http://www.umich.edu/~brianmin/data.html>

AWARDS AND HONORS

2022 Distinguished Achievement Award for Asian American Faculty, UM
2018– Fellow, Initiative for Sustainable Energy Policy, John Hopkins SAIS
2018–21 Advisory Board, Energy for Growth Hub
2015 Honorary Fellow, Centre for the Study of Society and Politics (CSSP), India
2011 Gabriel A. Almond Award, Best Dissertation in Comparative Politics, APSA
2009 Swarr Prize, Best Graduate Student Paper, UCLA Political Science
2007 Best Article Award, Political Sociology Section, ASA
2007 Best Article Award, Comparative Historical Sociology Section, ASA

EXTERNAL GRANTS

2021 United Nations Development Programme Grant (PI)
2021 Microsoft AI for Earth Grant (PI)
2020 World Bank Project Grant (PI)
2018 World Bank Project Grant (PI)
2017 International Growth Centre Grant (PI)
2016 World Bank Project Grant (PI)
2015 International Growth Centre Grant (Co-PI, with Sonia Bhalotra, Thushyanthan Baskaran, Yogesh Uppal)
2015 NSF Interdisciplinary Behavioral and Social Sciences Research Grant (with Ken Kollman (lead PI), Allen Hicken, Michael Findley, Joel Selway, David Backer, and Eugenio Arima)
2015 World Bank Project Grant (PI)
2012 World Bank Project Grant (PI)
2011 World Bank Institute Innovation Fund Grant (PI)
2010 International Growth Centre Grant (Co-PI with Miriam Golden)
2009 NSF Doctoral Dissertation Research Improvement Grant SES-0921531

INTERNAL GRANTS

2024 UM Bold Challenges Boost Grant (with Kelly Askew, Aline Cotel, Sisty Basil)
2023 UM ISR/CoE Study of Rural Contexts Grant (with Raj Nadakuditi)
2023 UM Inglehart Scholarship (with Peter Carroll)
2023 UM Tessler Scholarship (with Rebecca Wai)
2021 UM Poverty Solutions GSRA Award (with Peter Carroll)
2018 UM MCubed Grant (with Meha Jain and Bilal Bhutt)
2017 UM African Social Research Initiative Seed Grant (with Carlos Shenga)

2016 UM Weiser Center for Emerging Democ. Faculty Grant (with Jennifer Frentasia)
 2015 UM Weiser Center for Emerging Democ. Faculty Grant (with Nahomi Ichino)
 2012 UM MCubed Seed Grant (with Pauline Jones Luong and Raj Nadakuditi)
 2012 UM Roy Pierce Scholars Fund (with Vanessa Cruz)
 2011 UM Roy Pierce Scholars Fund (with James Atkinson)
 2011 UM Center for Comparative and International Studies Fellowship
 2011 UM Graham Institute Detroit Project Grant (with Jowei Chen)
 2008 UCLA Chancellor's Dissertation Year Fellowship
 2008 UCLA Institute of American Cultures Research Grant
 2007 UC Institute on Global Cooperation and Conflict Dissertation Fellowship
 2007 UCLA Institute of American Cultures Research Grant
 2005 UCLA Alice M. Belkin Memorial Scholarship
 2004 UCLA Institute of American Cultures Research Grant
 2001 Harvard Center for Public Leadership Summer Scholarship
 1995 Cornell/NASA Space Grant

INVITED PRESENTATIONS

2025 Power for All, Research Seminar
 2024 United Nations Development Programme, Sustainable Energy Data Workshop
 World Bank, Let's Talk Data Seminar
 UM Dearborn, Electrical and Computer Engineering Seminar
 2023 Duke University, Energy Data Analytics Symposium
 World Affairs Council of Western Michigan
 2022 UM Asian American Faculty Symposium
 2021 United Nations Development Programme, Data for Good seminar (virtual)
 World Bank, Geospatial Operations Seminar (virtual)
 Alba Orbital, Nightlights Workshop (virtual)
 Univ. of Michigan ISR, Machine Learning Workshop (virtual)
 2020 Duke Univ., Energy Data Analytics Symposium (virtual)
 2019 Center for Policy Research (India), Dialogues on Indian Politics Series
 Ashoka Univ. (India), Night Lights Data Workshop
 ITAM (Mexico), Comparative Politics Speaker Series
 World Bank, Energy Sector Management Assistance Program (ESMAP)
 2018 Ashoka Univ. (India), Empirical and Computational Social Sciences Conference
 IIT Delhi, Dept. of Computer Science Seminar
 World Bank, Energy & Extractives Group
 Princeton Univ., Political Economy of Energy Policy Conference
 SatSummit, Satellite Data for Global Development Conference
 Univ. of New Hampshire, Geospatial Social Sciences Seminar
 Johns Hopkins SAIS, Africa Seminar
 2017 UC Berkeley, Geo4Dev Geospatial Analysis for Intl Devt Conference
 World Bank, Energy & Extractives Group
 Univ. of Rochester, In the Field Conference
 NYU Abu Dhabi, Political Science Seminar
 Claremont McKenna, India at 70 Conference
 2016 UT Austin Comparative Politics Speaker Series
 UC Berkeley, Annual Conference on Measurement Technology
 Univ. of Ghana, African Social Research Initiative International Conference

Government of India, Ministry of Power
 MIT, Energy Initiative
 Univ. of Chicago, Energy Policy Institute of Chicago Seminar
 Pennsylvania State Univ., Data-Driven Development in Africa
 Washington Univ. of St. Louis, Political Science Speaker Series
 2015 London School of Economics, IGC Conference on Energy and Growth
 World Bank, Energy and Extractives Global Practice
 Northwestern Univ., Energy and Sustainability Research Conference
 Naval Postgraduate School, Center for Homeland Defense and Security Seminar
 2014 Stanford Univ., Geospatial Computational Social Science Conference
 U.S. Department of Defense, Strategic Multi-Layer Assessment Speaker Series
 Univ. of Rochester, Comparative Politics Workshop
 2012 ETH Zurich, Risk Center Seminar
 Univ. of Michigan, Ford School Economic Development Seminar
 World Bank Institute, Political Economy Program
 World Bank Annual Bank Conference on Development Economics
 Univ. of Michigan, Dept. of Economics Public Finance Seminar
 Cornell Univ., Dept. of Government Seminar
 Univ. of Michigan, International Institute
 UC Berkeley, Comparative Politics Colloquium
 UC Berkeley, South Asia Colloquium
 2011 Univ. of Michigan, Ross School of Business Erb Institute
 World Bank, New Delhi, India
 2010 World Bank Institute, Political Economy Program
 Yale Univ., Redistribution and Public Goods Conference
 2009 Yale Univ., Distributive Politics Conference
 Columbia Univ., Civil War Data Workshop

ADDITIONAL TRAINING

Empirical Implications of Theoretical Models (EITM) summer institute, Washington University in St. Louis (2005), UCLA (2007)
 Public Choice Outreach Conference, George Mason University (2004)

OTHER WORK EXPERIENCE

Research Fellow, Harvard Univ. Science, Technology & Public Policy Program (2002–03)
Project Manager, International Chamber of Commerce, Paris, France (2001–02)
Summer Associate, Mitchell Madison Group, New York, NY (2000)
Research Associate, New York Academy of Sciences, New York, NY (1997–99)

TEACHING

Political Science Honors Proseminar [Undergrad]
 Energy Politics [Undergrad]
 Politics and Economics of Development [Undergrad]
 Distributive Politics and Public Goods [Grad]

Political Economy of Development [Grad]
Nation Building & Economic Development in Native America (UCLA) [Grad]

ADVISING

Dissertation committee member (first position):

Peter Carroll, in progress, Univ. of Michigan
Rebecca Wai, in progress, Univ. of Michigan
Guoer Liu, 2024, Univ. of Michigan, (Asst. Prof., UCSD)
Marty Davidson, 2023, Univ. of Michigan (Asst. Prof., Wisconsin)
Taha Rauf, 2023, Univ. of Michigan (Louisville postdoc)
Michael Lerner, 2021, Univ. of Michigan (Asst. Prof., LSE)
Beth Peterson, 2021, Regent Univ. (Asst. Prof., Western Seminary)
Deanna Kolberg-Shah, 2021, Univ. of Michigan (Freedom House)
Albana Shehaj, 2018, Univ. of Michigan (Harvard postdoc)
Priyamvada Trivedi, 2018, Univ. of Michigan (Ashoka Univ.)
Diana Greenwald, 2017, Univ. of Michigan (Harvard postdoc; Asst. Prof., CCNY)
Shaun McGirr, 2016, Univ. of Michigan (private sector)
JungHwa Lee, 2016, Univ. of Michigan
Chiedo Nwankwor, 2016, Univ. of Delaware (Lect., Johns Hopkins SAIS)
Qingjie Zeng, 2015, Univ. of Michigan (Asst. Prof., Fudan Univ.)
James Atkinson, 2014, Univ. of Michigan (private sector)
Jessica Steinberg, 2014, Univ. of Michigan (Asst. Prof., Indiana Univ.)

Undergraduate honors advisor:

Aparna Iyer, 2021, Univ. of Michigan (Political Science)
Ephraim Love, 2013, Univ. of Michigan (International Studies)

Undergraduate internship advisor:

Kai Norden, 2015, Univ. of Michigan (Program in the Environment)
Michael Nevitt, 2013, Univ. of Michigan (Program in the Environment)
Christopher Takahashi, 2013, Univ. of Michigan (Program in the Environment)

DEPARTMENTAL SERVICE

Member, Undergraduate Affairs Committee (2023–24)
Director of Honors (2019–23)
Executive Committee (elected) (2022)
Director of Undergraduate Studies (2017–22)
Chair, Undergraduate Affairs Committee (2017–22)
Tenure & Promotion committee (2018–19)
Comparative Politics subfield coordinator (2017)
Political Methodology search committee (2016–17)
Graduate Admissions committee (2015–16, 2013–14)
Emerging Scholars program committee (2014–15)

Comparative Politics search committee (2012–13)
Development and Trade search committee (2011–12)
Central Asia search committee (2010–11)

UNIVERSITY SERVICE

LSA Nominating Committee (2025)
Selection committee, LSA Honors Graf-Meiland Scholarship (2024)
Policy committee, Institute for Social Research (2023)
Advisory committee, Center for Political Studies, Inst. for Social Research (2023, 2017–19)
Evaluation committee, LSA/NCID Collegiate Fellowship Program (2022–2023)
Curriculum committee, College of LSA (elected) (2018–21)
Sub-committee on Transfer Credit, College of LSA (2018–21)
Steering committee, Indigo: LSA Asian and Asian-American Faculty Alliance (2017–21)
Faculty working group, Diversity, Equity, & Inclusion, Inst. for Social Research (2017–20)
Search committee, Institute for Social Research (2017–18)
Steering committee, Weiser Center for Emerging Democracies (2016–18)
Steering committee, African Social Research Initiative (2013–17)
Co-organizer, Conference on Accountability and Development (2015)
Cross-campus faculty committee, Graduate Certificate in Sustainability (2014)
Faculty advisory committee, Surveys of Consumer Attitudes Energy Module (2013)

EXTERNAL SERVICE

William H. Riker Best Book award committee, APSA Public Economy Section, 2019.
Best Comparative Policy Paper award committee, APSA Public Policy Section, 2016.
Co-organizer, APSA Africa Workshop 2014, “Distributive Goods and Distributive Politics”
(with Anne Pitcher, Rod Alence, Carlos Shenga, and Sylvia Croese), Higher Institute of
Public Administration (ISAP), Maputo, Mozambique, June 30–July 11, 2014.

REVIEWER

*American Journal of Political Science, American Political Science Review, Comparative
Political Studies, Conflict Management and Peace Science, Economics & Politics, International
Organization, Journal of Conflict Resolution, Journal of Peace Research, Journal of
Politics, National Science Foundation, Political Analysis, Political Geography, Remote
Sensing, Science Advances, Science and Public Policy, Studies in Comparative International
Development, World Development, World Politics*