

# NICHOLAS BURGER

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## EDUCATION

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Ph.D., Economics, University of California, Santa Barbara, 2008

B.A., Economics and Philosophy, University of Southern California, 2002

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## PROFESSIONAL EXPERIENCE

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Senior Economist, RAND Corporation, Arlington, VA, 2015–present

Director, Center for Research and Policy in International Development, RAND Corporation, Arlington, VA, 2015–present

Associate Director, Department of Economics, Sociology, and Statistics, RAND Corporation, Arlington, VA, 2012–2016

Professor, Frederick S. Pardee RAND Graduate School, Santa Monica, CA, 2009–present

Economist, RAND Corporation, Arlington, VA, 2008–2015

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## PEER-REVIEWED PUBLICATIONS AND BOOK CHAPTERS

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Rothenberg, Alexander D., Arya Gaduh, **Nicholas E. Burger**, Charina Chazali, Indrasari Tjandraningsih, Rini Radikun, Cole Sutera, and Sarah Weilant. "Rethinking Indonesia's Informal Sector." *World Development* 80 (2016): 96-113.

Guo, Mingliang, Xiangping Jia, Jikun Huang, Krishna B. Kumar, **Nicholas E. Burger**, "Farmer Field School and Farmer Knowledge Acquisition in Rice Production: Experimental Evaluation in China," *Agriculture, Ecosystems & Environment*, Nov 2015, 209:100–107, doi:10.1016/j.agee.2015.02.011.

Abramzon, Shmuel, Constantine Samaras, Aimee Curtright, Aviva Litovitz, **Nicholas Burger**, "Estimating the Consumptive Use Costs of Shale Natural Gas Extraction on Pennsylvania Roadways," *Journal of Infrastructure Systems*, Sep 2014, 20(3), doi:10.1061/(ASCE)IS.1943-555X.0000203.

**Burger, Nicholas E.**, Daniel T. Kaffine, Bob Yu, "Did California's Hand-Held Cell Phone Ban Reduce Accidents?," *Transportation Research Part A: Policy and Practice*, Aug 2014, 66:162–172, doi:10.1016/j.tra.2014.05.008.

Spreng, Connor P., Ifelayo P. Ojo, **Nicholas E. Burger**, Neeraj Sood, John W. Peabody, Lisa M. Demaria, "Does Stewardship Make a Difference in the Quality of Care? Evidence from Clinics and Pharmacies in Kenya and Ghana," *International Journal for Quality in Health Care*, May 2014, 1–9, doi:10.1093/intqhc/mzu054.

Wodon, Quentin, **Nicholas Burger**, Audra Grant, Andrea Liverani, "Climate Change, Migration, and Adaptation in the MENA Region," in Q. Wodon, A. Liverani, G. Joseph, and N. Bougnoux, eds, *Climate Change and Migration: Evidence from the Middle East and North Africa*, A World Bank Study, Washington, DC: World Bank Group, 2014, 3–35, doi:10.1596/978-0-8213-9971-2.

- Grant, Audra K., **Nicholas E. Burger**, Quentin Wodon, “Climate-Induced Migration in the MENA Region: Results from the Qualitative Fieldwork,” in Q. Wodon, A. Liverani, G. Joseph, and N. Bougnoux, eds, *Climate Change and Migration: Evidence from the Middle East and North Africa*, A World Bank Study, Washington, DC: World Bank Group, 2014, 163–190, doi:10.1596/978-0-8213-9971-2.
- Wodon, Quentin, **Nicholas Burger**, Audra Grant, George Joseph, Andrea Liverani, Olesya Tkacheva, “Climate Change, Extreme Weather Events, and Migration: Review of the Literature for Five Arab Countries,” in Etienne Piguet and Frank Laczko, eds, *People on the Move in a Changing Climate: The Regional Impact of Environmental Change on Migration*, Global Migration Issues Vol 2, Springer Netherlands, 2014, 111–134, doi:10.1007/978-94-007-6985-4\_5.
- Litovitz, Aviva, Aimee Curtright, Shmuel Abramzon, **Nicholas Burger**, Constantine Samaras, “Estimation of Regional Air-Quality Damages from Marcellus Shale Natural Gas Extraction in Pennsylvania,” *Environmental Research Letters*, Jan 2013, 8(1):1–8, doi:10.1088/1748-9326/8/1/014017.
- Crane, Keith, **Nicholas Burger**, Martin Wachs, “Putting a Tax on Oil,” *Public Works Management & Policy*, Jun 2012, 17(3):256–282, doi:10.1177/1087724X12437430.
- Burger, Nicholas E.**, Daniel Kopf, Connor P. Spreng, Joanne Yoong, and Neeraj Sood, “Healthy Firms: Constraints to Growth Among Private Health Sector Facilities in Ghana and Kenya,” *PLoS ONE*, Feb 2012, 7(2):e27885, doi:10.1371/journal.pone.0027885.
- Crane, Keith, Aimee E. Curtright, David S. Ortiz, Constantine Samaras, **Nicholas Burger**, “The Economic Costs of Reducing Greenhouse Gas Emissions Under a US National Renewable Electricity Mandate,” *Energy Policy*, May 2011, 39(5):2730–2739, doi:10.1016/j.enpol.2011.02.042.
- Burger, Nicholas**, Gary Charness, John Lynham, “Field and Online Experiments on Self-Control,” *Journal of Economic Behavior & Organization*, Mar 2011, 77(3):393-404, doi:10.1016/j.jebo.2010.11.010.
- Kotchen, Matthew and **Nicholas Burger**, “Oil and the Arctic National Wildlife Refuge,” in Ian W.H. Parry and Felicia Day, eds, *Issues of the Day: 100 Commentaries on Climate, Energy, the Environment, Transportation, and Public Health Policy*, Washington, DC: Resources for the Future, 2010, 56–57.
- Yoong, Joanne, **Nicholas Burger**, Connor Spreng, Neeraj Sood, “Private Sector Participation and Health System Performance in Sub-Saharan Africa,” *PLoS ONE*, Oct 2010, 5(10):e13243, doi:10.1371/journal.pone.0013243.
- Burger, Nicholas E.**, and Daniel T. Kaffine, “Gas Prices, Traffic, and Freeway Speeds in Los Angeles,” *The Review of Economics and Statistics*, Aug 2009, 91(3):652–6657, doi:10.1162/rest.91.3.652.
- Burger, Nicholas**, Liisa Ecola, Thomas Light, Michael Toman, “In Search of Effective and Viable Policies to Reduce Greenhouse Gases,” *Environment: Science and Policy for Sustainable Development*, Apr 2009, 51(3):8–18, doi:10.3200/ENVT.51.3.08-18.
- Costello, Christopher, **Nicholas Burger**, Kathleen A. Galvin, Ray Hilborn, Stephen Polasky, “Dynamic Consequences of Human Behavior in the Serengeti Ecosystem,” in A. R. E. Sinclair, Craig Packer, Simon A. R. Mduma, John M. Fryxell, eds, *Serengeti III: Human Impacts on Ecosystem Dynamics*, University of Chicago Press, 2008, 301–324.
- Kotchen, Matthew J., and **Nicholas E. Burger**, “Should We Drill in the Arctic National Wildlife Refuge? An Economic Perspective,” *Energy Policy*, Sep 2007, 35(9):4720-4729, doi:10.1016/j.enpol.2007.04.007.

**PUBLISHED RAND REPORTS AND OTHER RESEARCH BRIEFS**

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- Barnes, Stephen, Craig Bond, **Nicholas E. Burger**, Kate Anania, Aaron Strong, Sarah Weiland, Stephanie Virgets, "Economic Evaluation of Coastal Land Loss in Louisiana." Baton Rouge, LA: Louisiana State University. December 2015.
- Burger, Nicholas E.**, Charina Chazali, Arya Gaduh, Alexander D. Rothenberg, Indrasari Tjandraningsih, Sarah Weiland, "Reforming Policies for Small and Medium-Sized Enterprises in Indonesia," Santa Monica, CA: RAND Corporation, RR-1096-PRSF, 2015. Available at: [http://www.rand.org/pubs/research\\_reports/RR1096.html](http://www.rand.org/pubs/research_reports/RR1096.html)
- Stanley, Karlyn D., Elvira N. Loreda, **Nicholas E. Burger**, Jeremy N.V. Miles, Clinton Saloga, "Business Bribery Risk Assessment," Santa Monica, CA: RAND Corporation, RR-839-III, 2014. Available at: [http://www.rand.org/pubs/research\\_reports/RR839.html](http://www.rand.org/pubs/research_reports/RR839.html)
- Abramzon, Shmuel, **Nicholas E. Burger**, Bonnie Ghosh-Dastidar, Peter Glick, Krishna B. Kumar, Francisco Perez-Arce, Alexandria C. Smith, "Capacity Building at the Kurdistan Regional Statistics Organization Through Data Collection," Santa Monica, CA: RAND Corporation, RR-293-KRG, 2014. Available at: [http://www.rand.org/pubs/research\\_reports/RR293.html](http://www.rand.org/pubs/research_reports/RR293.html)
- Berry, Sandra H., **Nicholas E. Burger**, Harun Dogo, Krishna B. Kumar, Alessandro Malchiodi, Jeffrey Martini, Tewodaj Mengistu, Howard J. Shatz, Alexandria C. Smith, Artur Usanov, Joanne K. Yoong "Designing a System for Collecting Policy-Relevant Data for the Kurdistan Region—Iraq," Santa Monica, CA: RAND Corporation, MG-1184-1-KRG, 2014. Available at: <http://www.rand.org/pubs/monographs/MG1184-1.html>
- Burger, Nicholas E.**, Italo Gutierrez, Krishna B. Kumar, Jill Luoto, Dhaval Monani, Kavita Raichura, "The Socioeconomic Effects of the Working Poor Moving to Permanent Dwellings: The Case of the Ashray Affordable Housing Pilot Project in India," Santa Monica, CA: RAND Corporation, RR-714-RF, 2014. Available at: [http://www.rand.org/pubs/research\\_reports/RR714.html](http://www.rand.org/pubs/research_reports/RR714.html)
- Burger, Nicholas E.**, Noreen Clancy, Yashodhara Rana, Rena Rudavsky, Aimee E. Curtright, Francisco Perez-Arce and Joanne K. Yoong, "Outcome Evaluation of U.S. Department of State Support for the Global Methane Initiative," Santa Monica, CA: RAND Corporation, TR-1250-DOS, 2013. Available at: [http://www.rand.org/pubs/technical\\_reports/TR1250.html](http://www.rand.org/pubs/technical_reports/TR1250.html)
- Asch, Beth J., **Nicholas E. Burger**, Mary Manqing Fu, "Mitigating Corruption in Government Security Forces: The Role of Institutions, Incentives, and Personnel Management in Mexico," Santa Monica, CA: RAND Corporation, TR-906-RC, 2011. Available at: [http://www.rand.org/pubs/technical\\_reports/TR906.html](http://www.rand.org/pubs/technical_reports/TR906.html)
- Ortiz, David Santana, Aimee E. Curtright, Constantine Samaras, Aviva Litovitz, **Nicholas E. Burger**, "Near-Term Opportunities for Integrating Biomass into the U.S. Electricity Supply: Technical Considerations," Santa Monica, CA: RAND Corporation, TR-984-NETL, 2011. Available at: [http://www.rand.org/pubs/technical\\_reports/TR984.html](http://www.rand.org/pubs/technical_reports/TR984.html)
- Crane, Keith, **Nicholas E. Burger**, Martin Wachs, "The Option of an Oil Tax to Fund Transportation and Infrastructure," Santa Monica, CA: RAND Corporation, OP-320-RC, 2011. Available at: [http://www.rand.org/pubs/occasional\\_papers/OP320.html](http://www.rand.org/pubs/occasional_papers/OP320.html)
- LaTourrette, Tom, David Santana Ortiz, Eileen Hlavka, **Nicholas E. Burger**, Gary Cecchine, "Supplying Biomass to Power Plants: A Model of the Costs of Utilizing Agricultural Biomass in Cofired Power

- Plants,” Santa Monica, CA: RAND Corporation, TR-876-DOE, 2011. Available at:  
[http://www.rand.org/pubs/technical\\_reports/TR876.html](http://www.rand.org/pubs/technical_reports/TR876.html)
- Curtright, Aimee E., Henry H. Willis, David R. Johnson, David S. Ortiz, **Nicholas Burger**, Constantine Samaras, “Documentation for the Calculation Uncertainty in Biomass Emissions Model, Version 1.0 (CUBE 1.0): Contents and Use,” U.S. Department of Energy, National Energy Technology Laboratory, Jan 2010. Available at:  
[http://www.netl.doe.gov/File%20Library/Research/Energy%20Analysis/Life%20Cycle%20Analyses/CUBE\\_Model\\_Dcmnttn\\_011110.pdf](http://www.netl.doe.gov/File%20Library/Research/Energy%20Analysis/Life%20Cycle%20Analyses/CUBE_Model_Dcmnttn_011110.pdf)
- Hassell, Scott, Noreen B. Clancy, **Nicholas E. Burger**, Christopher D. Nelson, Rena Rudavsky, Sarah H. Olmstead, “An Assessment of the U.S. Environmental Protection Agency’s National Environmental Performance Track Program,” Santa Monica, CA: RAND Corporation, TR-732-EPA, 2010. Available at:  
[http://www.rand.org/pubs/technical\\_reports/TR732.html](http://www.rand.org/pubs/technical_reports/TR732.html)
- Chalk, Peter, Laurence Smallman, **Nicholas E. Burger**, “Countering Piracy in the Modern Era: Notes from a RAND Workshop to Discuss the Best Approaches for Dealing with Piracy in the 21st Century,” Santa Monica, CA: RAND Corporation, CF-269-OSD, 2009. Available at:  
[http://www.rand.org/pubs/conf\\_proceedings/CF269.html](http://www.rand.org/pubs/conf_proceedings/CF269.html)
- Burger, Nicholas E.**, Liisa Ecola, Thomas Light, Michael A. Toman, “Evaluating Options for U.S. Greenhouse-Gas Mitigation Using Multiple Criteria,” Santa Monica, CA: RAND Corporation, OP-252-RC, 2009. Available at:  
[http://www.rand.org/pubs/occasional\\_papers/OP252.html](http://www.rand.org/pubs/occasional_papers/OP252.html)
- Kolstad, Charles D., Oren Ahoobim, **Nicholas Burger**, Corbett Grainger, Shaun McRae, “Beyond the Market Advisory Committee: Proceedings from a Workshop held at Stanford University, January 15, 2008,” SIEPR Discussion Paper No. 07-45, Stanford, CA: Stanford Institute for Economic Policy Research, Apr 2008. Available at:  
[http://siepr.stanford.edu/sites/default/files/publications/07-45\\_0.pdf](http://siepr.stanford.edu/sites/default/files/publications/07-45_0.pdf)
- Gupta, Sujata, Dennis A. Tirpak, **Nicholas Burger**, Joyeeta Gupta, Niklas Höhne, Antonina Ivanova Boncheva, Gorashi Mohammed Kanoan, Charles Kolstad, Joseph A. Kruger, Axel Michaelowa, Shinya Murase, Jonathan Pershing, Tatsuyoshi Saijo, Agus Sari, “Policies, Instruments and Co-operative Arrangements,” in B. Metz, O.R. Davidson, P.R. Bosch, R. Dave, L.A. Meyer, eds, *Climate Change 2007: Mitigation. Contribution of Working Group III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, Cambridge, UK and New York, USA: Cambridge University Press, 2007.

## PUBLISHED COMMENTARY

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- Berg, Neil and Nick Burger, “Climate Change is a National Security Issue—But Not for the Reasons You Think,” War on The Rocks, December 16, 2015. Available at:  
<http://warontherocks.com/2015/12/climate-change-is-a-national-security-issue-but-not-for-the-reasons-you-think/>

## CONFERENCES AND PRESENTATIONS

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*Assessing the Impact of Farmer Field Schools on Fertilizer Use in China: Evidence from a Two-Province Randomized Experiment*, 5th World Congress of Environmental and Resource Economists, Istanbul, June 2014

*Public Engagement with Private Pharmacies and Implications for Access Evidence from Kenya and Ghana*, Engaging with the Private Sector in Health in Africa Regional Conference, Dar es Salaam, May 2012

*Reconstructing the Worldwide Governance Indicators*, Midwest Political Science Association Annual Conference, Chicago, IL, Apr 2011

Discussant at World Bank seminar on climate change policy, Washington, DC, Feb 2010

Invited seminar at the University of Maryland, *Did California's Hand-held Cell Phone Ban Reduce Accidents?*, College Park, MD, May 2009

Discussant at UCSB Voluntary Programs Conference, Santa Barbara, CA, Apr 2009

Resources for the Future, EPA NCEE, RAND, CBO, Jan/Feb 2008

## AWARDS AND HONORS

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RAND Medal Award (2013, 2016)

2013–2014 Brown Faculty Fellowship, 2012

RAND Health Investment Award, 2010

Lead author, UN IPCC Working Group III, Fourth Assessment Report, 2006–2007

2nd Lindau meeting of Nobel Laureates in the Economic Sciences in Lindau, Germany, Aug 2006

National Science Foundation *Integrative Graduate Education and Research Traineeship (IGERT)* fellowship in Economics and Environmental Science, 2003–2006

## REFEREEING

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American Economic Review, The Energy Journal, Health Economics, Journal of Economic Behavior and Organization, Journal of Environmental, Economics and Management, Journal of Health Economics, Journal of Insurance Regulation, Journal of Regulatory Economics, Regional Science and Urban Economics, Transportation Research – Part A, Transport Policy