

Nick Obradovich

MIT Media Lab

nobradov@mit.edu | nickobradovich.com

Academic Positions

- 2016-present **Research Scientist.**
Scalable Cooperation Group, Media Lab, Massachusetts Institute of Technology
Advisor: [Iyad Rahwan](#)
- 2016-2017 **Postdoctoral Fellow.**
Science, Technology, & Public Policy, Belfer Center, Harvard Kennedy School of Government
Advisor: [Daniel P. Schrag](#)

Academic Affiliations

- 2017-present **Associate** [Harvard University Center for the Environment](#)
- 2017-present **Associate** [Belfer Center](#), Harvard University Kennedy School of Government
- 2016-present **Human-Environmental Systems Fellow** [CMBC](#), Scripps Institution of Oceanography

Education

- 2010-2016 **University of California San Diego.**
Ph.D. and M.A. in Political Science
Dissertation: "Essays on the Politics and Political Effects of Climate Change"
Committee: [James H. Fowler](#) (co-chair), [Clark C. Gibson](#) (co-chair),
[Jennifer A. Burney](#), [Scott W. Desposato](#), and [David G. Victor](#)
- 2005-2009 **Santa Clara University.**
B.S. Economics and Environmental Studies, *summa cum laude*
- 2007-2008 **University of Oxford.**
Visiting Student in Economics and Geography

Publications

9. Telfer, S., **Obradovich, N.** (2017). Local weather is associated with rates of online searches for musculoskeletal pain symptoms. *PLOS ONE*, 12(8), e0181266.
[The Weather Channel](#) | [NBC News](#) | [Huffington Post](#)
8. **Obradovich, N.**, [Migliorini, R.](#), [Mednick, S.C.](#), and [Fowler, J.H.](#) (2017). Nighttime temperature and human sleep loss in a changing climate. *Science Advances.*, 3(e1601555).
[NYT](#) | [WaPo](#) | [LA Times](#) | [USA Today](#) | [The Atlantic](#) | [Science](#) | [Bloomberg](#) | [AAAS](#)
7. **Obradovich, N.** and [Fowler, J.H.](#) (2017). Climate change may alter human physical activity patterns. *Nature Human Behaviour*, 1(0097).
[Associated Press](#) | [Popular Science](#) | [Live Science](#)
6. **Obradovich, N.** (2017). Climate change may speed democratic turnover. *Climatic Change*, 140(2), 135-147.
5. **Obradovich, N.** and [Zimmerman, B.](#) (2016). African voters indicate lack of support for climate change policies. *Environmental Science & Policy*, 66, 292-298.
4. [Leas, E.C.](#), [Althouse, B.M.](#), [Dredze, M.](#), **Obradovich, N.**, [Fowler, J.H.](#), [Noar, S.M.](#), [Allem, J.](#), and [Ayers, J.W.](#) (2016). Big data sensors of organic advocacy: The case of Leonardo DiCaprio and climate change. *PLOS ONE*, 11(8), e0159885.
[Washington Post](#) | [Bloomberg](#) | [Forbes](#) | [New York Magazine](#) | [Time](#) | [Slate](#)

3. **Obradovich, N.** and Guenther, S.M. (2016). Collective responsibility amplifies mitigation behaviors. *Climatic Change*, 137(1), 307-319.
Christian Science Monitor | Grist | Huff Post | Pacific Std. | Think Progress | VICE
2. Chacko, G., Evans, C.L., and **Obradovich, N.** (2016). Electoral systems and agricultural critical goods. *Journal of Business and Policy Research*, 11(1), 16-35.
1. Kryvasheyev, Y., Chen, H., **Obradovich, N.**, Moro, E., Van Hentenryck, P., Fowler, J.H., and Cebrian, M. (2016). Rapid assessment of disaster damage using social media activity. *Science Advances*, 2(3), e1500779.
Wall Street Journal | Washington Post | Science | Smithsonian | Grist | The Verge

Papers Under Review

Baylis*, P., **Obradovich***, N., Kryvasheyev, Y., Chen, H., Coviello, L., Moro, E., Cebrian, M., and Fowler, J.H. (under review). *Weather impacts expressed sentiment* (arXiv). (* denotes equal contribution).

Ash, K. and **Obradovich, N.** (under review). Climatic stress, internal migration, and Syrian civil war onset.

Frank, M., **Obradovich, N.**, Sun, L., Woon, W.L., LeVeck, B., Rahwan, I. (under review). Detecting reciprocity at global scale.

Obradovich, N., Baylis, P., Schrag D.P. (under review). The null effect of warming on recent US population change.

Fellowships

- 2015-2016 *Frontiers of Innovation Fellowship*, University of California San Diego
- 2012-2013 *Global Change Fellowship*, Scripps Institution of Oceanography
- 2010-2015 *Graduate Research Fellowship*, National Science Foundation
- 2010-2015 *Gramercy Fellowship in Emerging Markets*, University of California San Diego
- 2008-2009 *Hackworth Fellowship*, Santa Clara University
- 2007-2008 *Honors Program Oxford Fellowship*, Santa Clara University
- 2005-2009 *Peace and Justice Fellowship*, Santa Clara University

Honors and Awards

- 2017 *Outstanding Reviewer 2016 for Environmental Research Letters*, IOP Publishing
- 2009 *Nobili Medal* for most outstanding overall male graduate, Santa Clara University
- 2009 *Hazel Award* for most outstanding in Economics, Santa Clara University
- 2009 *Phi Beta Kappa Honor Society* inductee
- 2007 *Visiting Student Prize*, top academic performance, Oxford University
- 2005-2009 *Honors Program Academic Scholarship*, Santa Clara University
- 2005-2009 *Dean's Academic Scholarship* Santa Clara University

Grants

- 2014 *Rural and Latino Americans and Climate Change (\$70,000)*
Skoll Global Threats Fund
- 2014 *Dissertation Improvement Grant: Climate Change and African Elections (\$17,600)*
National Science Foundation

- 2014 *Levin Family Seed Grant: Climate Change and Corruption (\$1,700)*
Center for Effective Global Action, University of California Berkeley
- 2014 *Sanford Lakoff Grant: Climate Change and Elections (\$1,000)*
Department of Political Science, University of California San Diego
- 2013 *XSEDE Computational Research Grant (100,000 SU award)*
National Science Foundation, TG-SES130013
- 2013 *UNFCCC COP Travel and Outreach Grant (\$29,000)*
Center for Marine Biodiversity and Conservation, Scripps Institution of Oceanography
- 2013 *Climate Change Research Challenge Grant (\$5,000)*
Center for Effective Global Action, University of California Berkeley
- 2013 *Dean's Travel Grant for Research Travel to Baja, Mexico (\$600)*
Division of Social Sciences, University of California San Diego
- 2013 *Rural Mexican Voter Response to Environmental Shocks (\$4,000)*
Center for Marine Biodiversity and Conservation, Scripps Institution of Oceanography
- 2012 *Rural Ghanaian Political Behavior (\$12,000)*
Small-scale Artisanal Fisheries Research Network, Scripps Institution of Oceanography

Instruction

- Fall 2017 *Instructor*, Graduate Quantitative Social Science Research Methods, MIT Media Lab
- Spring 2012 *Instructor*, Honors Undergraduate Research Methods, University of California San Diego

Professional Experience

- 2009-2010 *Research assistant* for Edward P. Lazear, Stanford University
- 2008 *Intern* Eco-Technology Program Office, Intel Corporation
- 2007 *Environmental sustainability analyst*, Intel Corporation

Outreach Activities

- 2014-present *Advisory Council Member*, Climate Lab, Skoll Global Threats Fund
- 2017 Victor, D., Obradovich, N., Amaya, D. *Why the wiring of our brains makes it hard to stop climate change*. *Los Angeles Times*.
- 2015 *Graduate Student Delegate* for UC San Diego, Graduate Research Day
- 2014 *International Electoral Observer*, Malawian Presidential and Parliamentary Elections
- 2013 *University of California Delegate* to the UNFCCC in Warsaw, Poland
- 2011 *International Electoral Observer*, Ugandan Presidential and Parliamentary Elections

Invited Talks

- 2017 "Day-to-day governance in a warming world" International Relations Faculty Colloquium. Department of Politics. Princeton University. December 2017.
- 2016 "Climate change and democratic turnover" Human Dynamics Group. MIT Media Lab. November 2016.
- 2016 "Leveraging big data to estimate the human impacts of climate change" Real Colegio Complutense. Harvard University. November 2016.
- 2016 "Climate change may impact human mood" Brainstorm: Dimensions of Human Interaction with Weather. Scripps Institution of Oceanography. April 2016.

Conferences

- 2017 **Obradovich, N.**, Felbo, B., Yanardag, P., Borsa, A., Burney, J.A., Jones, J.J., and Rahwan, I. "The effects of climatic events on expressed climate change belief" American Political Science Association. San Francisco, CA. August 2017.
- 2017 Guenther, S. and **Obradovich, N.** "Experimental induction of interpersonal trust demobilizes political efforts" American Political Science Association. San Francisco, CA. August 2017.
- 2017 Ash, K. and **Obradovich, N.** "Climatic stress, internal migration, and Syrian civil war onset" American Political Science Association. San Francisco, CA. August 2017.
- 2017 Abeliuk, A., Fernández, A., **Obradovich, N.**, and Rahwan, I. "Modeling the evolution of political ideologies" International Conference on Computational Social Science. Cologne, Germany. July 2017.
- 2017 Kim, R., Felbo, B., **Obradovich, N.**, and Rahwan, I. "Quantifying structural factors affecting racial tensions during 2016 US presidential election" International Conference on Computational Social Science. Cologne, Germany. July 2017.
- 2017 Ash, K. and **Obradovich, N.** "Climatic stress, internal migration, and Syrian civil war onset" International Studies Association. Baltimore, MD. February 2017.
- 2016 "Empirical estimation of climate adaptation in human-environmental systems" American Geophysical Union Fall Meeting. San Francisco, CA. December 2016. Session chair.
- 2016 **Obradovich, N.** "Climate change may speed democratic turnover" Western Political Science Association Annual Meeting. San Diego, CA. March 2016.
- 2014 Chacko, G., Evans, C.L., and **Obradovich, N.** "Electoral systems and critical goods", Best Paper Award, Economics. Annual Tokyo Business Research Conference. Tokyo, Japan. August 2014.
- 2013 **Obradovich, N.** "Weather and how to vote: climatic variations and rural voter behavior" Conference for Sustainability IGERTs. Portland, OR. September 2013.

Professional Memberships

American Political Science Association, American Geophysical Union,
Association for Psychological Science, Western Political Science Association

Academic Service

Reviewer Climatic Change; Environmental Research Letters; Environmental Science & Policy;
Risk Analysis; Weather, Climate, and Society

Fieldwork

Ghana, Malawi, Mexico, South Africa, Uganda

Languages

R, Bash, \LaTeX , Stata, Markdown, Python, HTML5, CSS3

Updated September 24, 2017