

EMPLOYMENT

ReNew Power Ventures , Gurgaon, India <i>Chief Technology Officer</i>	2018 – Present
Council on Foreign Relations , Washington, D.C. <i>Philip D. Reed Fellow for Science and Technology</i> <i>Director, Program on Energy Security and Climate Change</i>	2015 – 2018
Georgetown University School of Foreign Service , Washington, D.C. <i>Adjunct Professor</i> (STIA 402, Clean Energy Innovation)	2016 – 2018
McKinsey & Company , San Francisco, CA <i>Senior Associate</i>	2013 – 2015
Office of Mayor Antonio Villaraigosa , Los Angeles, CA <i>Senior Advisor on Energy and Water Policy</i>	2012 – 2013

LEADERSHIP AND AWARDS

- Editorial Board, *Journal of Global Transitions* (Elsevier) (2018–)
- [Forbes, 30 Under 30, Law and Policy](#) (2017)
- [Grist, Top 50 Leaders in Sustainability](#) (2017)
- Adjunct Senior Research Scholar, Columbia University Center for Global Energy Policy (2017–)
- Strategic Advisor, Reforming the Energy Vision, Office of NY Gov. Andrew Cuomo (2015–2017)
- Board Member, Stanford University Precourt Institute for Energy Advisory Board (2015–)
- Board Member, Stanford University Woods Institute for the Environment Advisory Board (2015–)
- Council Member, World Economic Forum Global Agenda Council on Urbanization (2013–2014)

EDUCATION

Oxford University , United Kingdom <i>Doctor of Philosophy, Condensed Matter Physics</i> Honors: Rhodes Scholarship	2013
Stanford University , Palo Alto, CA <i>B.S. Engineering Physics, B.A. International Relations</i> Honors: Truman Scholarship, Phi Beta Kappa, Center for International Security and Cooperation	2011

BOOKS

- **V. Sivaram**, [Taming the Sun: Innovations to Harness Solar Energy and Power the Planet](#). MIT Press, 2018.
- **V. Sivaram (Ed.)**, [Digital Decarbonization: Promoting Digital Innovations to Advance Clean Energy Systems](#), Council on Foreign Relations Press, 2018.
- **V. Sivaram** and S. Saha, “Geopolitical Implications of a Clean Energy Future from the Perspective of the U.S.,” in [The Geopolitics of Renewables](#), Ed. Dan Scholten, Springer, 2018.

FEATURED ARTICLES, PRESS, AND TALKS

- **Op-Eds/Short-Form:** [The New York Times](#), [The Washington Post](#), [Financial Times](#), [The Wall Street Journal](#)
- **Scholarly/Long-Form:** [Nature](#), [Nature Energy](#), [Nature Climate Change](#), [Energy Policy](#), [Foreign Affairs](#), [Foreign Policy](#), [Scientific American](#), [MIT Technology Review](#), [Issues in Science and Technology](#), [Brookings Institution](#)
- **Book Reviews for Taming the Sun:** [The Economist](#), [Financial Times](#), [Bloomberg](#), [Nature](#), [Foreign Affairs](#)
- **Media Interviews:** (TV): [BBC World News](#), [Bloomberg TV](#), [PBS NewsHour](#); (Radio): [NPR](#), [Marketplace](#)
- **Talks:** [Aspen Ideas](#), [SXSW](#), [TEDx Yale](#), [CFR](#) (Book Launch Video), [Oxford Union](#) (236K views)

PEER-REVIEWED (*) AND OTHER LONG-FORM PUBLICATIONS

- V. Sivaram, D.M. Hart, J.O. Dabiri, "[The Need for Continued Innovation in Solar, Wind, and Energy Storage](#)," *Joule*, **2**, September 2018.*
- D.W. Livingston, V. Sivaram, M.C. Freeman, M. Fiege, "[Applying Blockchain Technology to Electric Power Systems](#)," *Council on Foreign Relations Discussion Paper*, July 26, 2018.*
- V. Sivaram, "[From Stranger to Status Quo: How Renewable Energy Achieved a Political Coup](#)," *International Politics Reviews*, 2018.
- V. Sivaram, "[The Dark Side of Solar: How the rising solar industry empowers political interests that could impede a clean energy transition](#)," Brookings Institution, April 2018.*
- V. Sivaram, "[Can't Stop the Shining](#)," *Foreign Policy*, March 1, 2018.
- V. Sivaram, "[The Race to Invent the Artificial Leaf](#)," *MIT Technology Review*, March 2018 Issue.
- V. Sivaram, "[A Tale of Two Technologies: What Nuclear's Past Might Tell Us About Solar's Future](#)," *Breakthrough Journal*, Winter 2018.
- V. Sivaram, "[Trump's Solar Tariffs Create Far More Winners Than Losers](#)," Columbia University Center for Global Energy Policy Commentary, January 23, 2018.
- C.T.M. Clack, S.A. Qvist, J. Apt, M. Bazilian, A.R. Brandt, K. Caldeira, S.J. Davis, V. Diakov, M.A. Handschy, P.D.H. Hines, P. Jaramillo, D.M. Kammen, J.C.S. Long, M.G. Morgan, A. Reed, V. Sivaram, J. Sweeney, G.R. Tynan, D.G. Victor, J.P. Weyant, and J.F. Whitacre, "[Evaluation of a proposal for reliable low-cost grid power with 100% wind, water, and solar](#)," *Proceedings of the National Academy of Sciences*, 2017.*
- D. Sanchez and V. Sivaram, "[Saving innovative climate and energy research: Four recommendations for Mission Innovation](#)," *Energy Research and Social Science*, **29**, July 2017.*
- V. Sivaram, "[Can India Save the Warming Planet?](#)" *Scientific American*, May 2017 Issue.
- V. Sivaram, "[Harnessing International Cooperation to Advance Energy Innovation](#)," Council on Foreign Relations Workshop Report, May 2017.
- B.E. Gaddy, V. Sivaram, T.B. Jones, and L. Wayman, "[Venture Capital and Cleantech: The Wrong Model for Energy Innovation](#)," *Energy Policy*, **102**, March 2017.*
- V. Sivaram, "[Unlocking Energy](#)," *Issues in Science and Technology*, Winter 2017.*
- V. Sivaram, T. Norris, C. McCormick, and D. Hart, "[Energy Innovation Policy: Priorities for the Trump Administration and Congress](#)," Information Technology and Innovation Foundation, December 2016.*
- V. Sivaram and J. Harris, "[Sustaining Fuel Subsidy Reform](#)," Council on Foreign Relations Center on Geoeconomic Studies Discussion Paper Series, October 2016.*
- R. Verma, D. Hernandez, V. Sivaram, and V. Rai, "[A National Certification Scheme to Enhance Trust and Quality: Residential Solar in India's PV Market](#)," *The Electricity Journal*, **29** (6), July 2016.*
- B.E. Gaddy, V. Sivaram, and F.O. Sullivan, "[Venture Capital and Cleantech: The Wrong Model for Energy Innovation?](#)" *MIT Energy Institute*, July 2016.

- V. Sivaram** and T. Norris, "[The Clean Energy Revolution: Fighting Climate Change with Innovation](#)," *Foreign Affairs*, May/June 2016 Issue.
- V. Sivaram** and S. Kann, "[Solar Power Needs a More Ambitious Cost Target](#)," *Nature Energy*, **1** (2016).*
- V. Sivaram** and M. Levi, "[Causes, Consequences, and Policy Implications of Oil Price Volatility](#)," Council on Foreign Relations Workshop Report, June 2016.
- H.J. Snaith, E.J. Crossland, N. Noel, **V. Sivaram**, T. Leijtens, "[Semiconducting Layer Production Process](#)," U.S. Patent Application 14/771, 584, 2016, Publication No. US 20160013434 A1 (published Jan 14, 2016).
- V. Sivaram**, G. Shrimali, and D. Reicher, "[Reach for the Sun: How India's Ambitious Climate Ambitions Could Make or Break its Climate Commitments](#)," Stanford Steyer-Taylor Center on Energy Policy and Finance Report, December 2015.
- V. Sivaram** and M. Levi, "[Automobile Fuel Economy Stanford in a Lower-Oil-Price-World](#)," Council on Foreign Relations Center on Geoeconomic Studies Discussion Paper Series, November 2015.*
- V. Sivaram**, S.D. Stranks, and H.J. Snaith, "[Perovskite Solar Cells Could Beat the Efficiency of Silicon](#)," *Scientific American*, July 2015 Issue.
- V. Sivaram** and M. Levi, "[Oil Prices, Low-Carbon Energy, and Climate Policy](#)," Council on Foreign Relations Workshop Report, July 2015.
- V. Sivaram** and Commissioner Daniel C. Esty. "[Los Angeles and Connecticut: A Continent Apart, Similar Paths to Clean Energy](#)." *EnergyBiz Magazine*. 2014.
- V. Sivaram**, E.J.W. Crossland, T. Leijtens, N. Noel, J.A. Alexander-Webber, P. Docampo, and H.J. Snaith. "[Investigating the Source of Doping in Annealed TiO₂ Mesoporous Single Crystals for Use in Solid State Dye Sensitized Solar Cells](#)." *Journal of Physical Chemistry C*. (2013).*
- V. Sivaram**, J. Kirkpatrick, and H.J. Snaith. "[Critique of Charge Collection Efficiencies Calculated through Small Perturbation Measurements of Dye Sensitized Solar Cells](#)." *Journal of Applied Physics*. **113**, 063709 (2013).*
- Mayor Antonio R. Villaraigosa, **V. Sivaram**[†], and R. Nichols. "[Powering Los Angeles with Renewable Energy](#)." *Nature Climate Change*. **3**, 1985-1988 (2013).* ([†]*Corresponding Author*)
- E. Crossland, N. Noel, **V. Sivaram**, T. Leijtens, J.A. Webber, and H.J. Snaith. "[Route to Mesoporous Anatase TiO₂ Single-Crystals Exhibiting Superior Mobility and Enhanced Optoelectronic Device Performance](#)." *Nature*. **495** (2013).*
- V. Sivaram**. "[Combating Climate Change in the Capital of Car Culture](#)." *The Next Generation*. 2013.
- G. Sathoughi, **V. Sivaram**, R.G., P.D., I.B., N.P., A.I., and H.J. Snaith. "[Optimised Electronic Contacts in SnO₂-dye-P3HT based SS Dye Sensitized Solar Cells](#)." *Physical Chemistry, Chemical Physics*. **15**, 2075-2080 (2013).*
- P. Docampo, A.I., R.G., S.D., J.K., C.M.P., **V. Sivaram**, H.G., L.S-M., M.W., and H.J. Snaith. "[The Influence of 1D, Meso and Crystal Structures on Charge Transport and Recombination in Solid-State Dye-Sensitized Solar Cells](#)." *Journal of Materials Chemistry A*. (2013).*

V. Sivaram, “[Simulation, Synthesis, Sunlight: Enhancing electronic transport in solid-state dye-sensitized solar cells](#),” Oxford University Ph.D. Thesis, 2013.

V. Sivaram. “Sunny-Side Up; Characterizing the US Military’s Approach to Solar Energy Policy.” Honors Thesis. [Center for International Security and Cooperation](#), Stanford University. June 2011.

R. Stancel, **V. Sivaram**. “[Mounting System for Solar Modules](#).” U.S. Patent Application 12/676, 138, 2008, Publication No. US 2010/0236610 A1 (published Sep. 23, 2010).

SELECTED SHORT-FORM ARTICLES AND OP-EDS

V. Sivaram, *CFR’s Energy, Security, and Climate Blog*, blogs.cfr.org/Sivaram.

D.W. Livingston, **V. Sivaram**, “[Where Blockchain Will Actually Matter in Energy](#),” *Axios*, July 30, 2018.

V. Sivaram, “[Why the Solar Revolution is at Risk of Sputtering Out](#),” *Quartz*, June 6, 2018.

V. Sivaram, “[Solar Energy is at Risk](#),” *Washington Post*, April 16, 2018.

V. Sivaram, “[How U.S. Tariffs Will Hurt America’s Solar Industry](#),” *New York Times*, Jan 24, 2018, p. A27.

V. Sivaram, “[Trump’s Energy Secretary to Congress: Please Ignore My Boss](#),” *Axios*, March 21, 2018.

M. Freeman, M. Bazilian, and **V. Sivaram**, “[Trump Teases Reasonable Energy Policy](#),” *The American Interest*, December 23, 2017.

V. Sivaram and M. Freeman, “[Why Is Trump’s Energy Department Lumping Coal and Nuclear Together?](#)” *Foreign Affairs*, November 13, 2017.

V. Sivaram, “[Technology: Disruption Needed](#),” *Climate 2020: United Nations Association-United Kingdom*, September 18, 2017.

V. Sivaram, “[A Clean Energy Transition Needs More Technology Options](#),” The Aspen Institute, June 19, 2017.

D.L. Sanchez and **V. Sivaram**, “[Mission Innovation is in Trouble. Here’s How to Save It](#),” *Greentech Media*, June 2, 2017.

V. Sivaram and S. Saha, “[America’s Real Pivot to Asia Needs to be Energy](#),” *The National Interest*, May 21, 2017.

V. Sivaram and S. Saha, “[Power Outage: Cutting Funding for Energy Innovation Would Be a Grave Mistake](#),” *Foreign Affairs*, May 17, 2017.

V. Sivaram, “[California must adopt the electrical grid of the future](#),” *San Francisco Chronicle*, December 30, 2016.

V. Sivaram and S. Saha, “[The Trouble with Ceding Climate Leadership to China](#),” *Foreign Affairs*, December 20, 2016.

- V. Sivaram, C. McCormick, and D. Hart, “[Focus, Reform, Invest: Energy Innovation Agenda for Trump, Congress](#),” *Morning Consult*, December 16, 2016.
- V. Sivaram and S. Saha, “[What to Watch at the Marrakech Climate Conference](#),” *Council on Foreign Relations Expert Brief*, November 2, 2016.
- V. Sivaram and J. Harris, “[Why Sustaining Fuel Subsidy Reform Should Be a Top U.S. Priority](#),” *Politico*, October 15, 2016.
- V. Sivaram, “[Good Intentions Don’t Equal Good Climate Policy](#),” United Nations Association-United Kingdom “Climate 2020” Publication, September 14, 2016.
- B. Gaddy and V. Sivaram, “[Clean Energy Technology Investors Need Fresh Support After VC Losses](#),” *Financial Times*, July 26, 2016.
- V. Sivaram, “[Don’t Weaken Obama’s Fuel Economy Standards](#),” *Politico*, July 22, 2016.
- V. Sivaram and G. Pugh, “[New International Energy Forum Focuses on Innovation](#),” *The Hill*, July 6, 2016.
- V. Sivaram, “[Beyond Climate Confusion: Why Both Energy Innovation and Deployment Matter](#),” reprinted in the *New York Times* (originally posted on [CFR’s Energy, Security, and Climate Blog](#)), May 6, 2016.
- V. Sivaram and S. Kann, “[To Become Truly Mainstream, Solar Will Need to Cost 25 Cents per Watt by 2050](#),” *Greentech Media*, April 7, 2016.
- V. Sivaram, “[The Supreme Court’s Decision on Demand Response is More Complicated than You Think](#),” *Greentech Media*, February 1, 2016.
- K. Rogoff, B. Eichengreen, V. Sivaram, J. Pethokoukis, and R. Kahn, “[Prospects for the Global Economy in 2016](#),” *The Atlantic*, Jan 4, 2016.
- V. Sivaram and A. Shivnani, “[India Warms Up to Climate Action](#),” *Council on Foreign Relations Expert Brief*, November 19, 2015.
- V. Sivaram, “[U.S. Climate Policies Get a Papal Nod](#),” *Council on Foreign Relations Expert Brief*, September 28, 2015.
- V. Sivaram, “[Oil’s Downward Spiral is Spooking Renewable Energy Investors](#),” *Fortune*, September 5, 2015.
- V. Sivaram, “[Why Concentration of the Solar Industry in China Will Stunt Innovation](#),” *Corporate Eco Forum*, July 2015.
- V. Sivaram, M. Levi, “[Oil Prices, Low-Carbon Energy, and Climate Policy](#),” *Council on Foreign Relations Workshop Report*, July 2015.
- V. Sivaram, “[To Succeed, Solar Perovskites Need to Escape the Ivory Tower](#),” *Greentech Media*, July 2, 2015.
- V. Sivaram and D. Livingston, “[Leading From Between: How California and Germany Can Fix the Climate Agenda](#),” *Foreign Affairs*, June 23, 2015
- V. Sivaram, “[Ensuring Tesla Doesn’t Crowd Out the Batteries of the Future](#),” *Forbes*, April 30, 2015

V. Sivaram, "[Japan's Unnecessary Power Struggle: Nuclear vs. Solar](#)," Council on Foreign Relations Expert Brief, April 24, 2015.

V. Sivaram, "[Congress Shouldn't Cut Military Research on Climate Change](#)," *The Hill*, March 27, 2015.

V. Sivaram, "[Why Moore's Law Doesn't Apply to Cleantech](#)," Greentech Media, April 27, 2015

V. Sivaram and K. Dhru. "[Can Solar Solve India's Energy Woes?](#)" *World Economic Forum Blog*. 2014.

SELECTED MEDIA REFERENCES

Each third-party media report below is entirely or substantially about research by Varun Sivaram and co-authors

"[Hope and Heresy as Blockchains Enter the Energy Business](#)," *The Economist*, August 2, 2018, Print.

[Book Review of *Taming the Sun*]: "[The Achilles' Heel of the Renewable Revolution](#)," Fareed Zakaria GPS, on CNN.

[Book Review of *Taming the Sun*]: "[Rays of Hope: The Future of Solar Energy](#)," *The Economist*, March 31, 2018 Issue.

[Book Review of *Taming the Sun*]: E. Crooks, "[A Road Map to Lead the Energy Industry to a Brighter Future](#)," *Financial Times*, March 19, 2018.

[Book Review of *Taming the Sun*]: Tyler Cowen, "[Solar's Bright Future is Further Away Than It Seems](#)," *Bloomberg View*, January 2, 2018.

[Book Review of *Taming the Sun*]: Richard Cooper, "[Review of Taming the Sun](#)," *Foreign Affairs*, May/June 2018.

J. Worland, "[Inside the New Technology that Could Transform the Solar Industry](#)," *TIME*, June 4, 2018.

C. Marshall, "[Q&A with the Hamilton of the Solar Industry](#)," April 6, 2018.

"[Switching to Renewables Will Not Be As Rapid As Many Hope](#)," *The Economist*, March 15, 2018 (Print).

B. Geman, "[What's Needed for Solar to Power the World](#)," *Axios*, March 5, 2018.

C. Mims, "[The Three Stumbling Blocks to a Solar-Powered Nation](#)," *Wall Street Journal*, January 14, 2018.

R. Matsui, "[Varun Sivaram: The Hamilton of the Solar Industry](#)," *PV Magazine*, August 1, 2017.

E. Porter, "[Fisticuffs Over the Route to a Clean-Energy Future](#)," *New York Times*, June 20, 2017.

A. Sider, "[Why Venture Capitalists Abandoned Clean Energy](#)," Interview with Ben Gaddy and Varun Sivaram, *The Wall Street Journal*, September 13, 2016.

A. Revkin, "[Young Analysts Press the Case for Innovation and Tolerance, in Pursuing a Post-Carbon Energy Menu](#)," *New York Times*, May 6, 2015.

D. Roberts, "[Here's a sign of a more constructive debate on clean energy innovation](#)," *Vox*, April 20, 2016.

B. Plumer, "[How Cheap Does Solar Have to Get Before It Takes Over the World?](#)" *Vox*, April 18, 2016.

R. Zhong, "[How India's Solar Ambitions Can Become Reality](#)," *Wall Street Journal*, December 8, 2015.

- R. Mohan, "[India's Solar Goals a Global Priority, Says Stanford Report](#)," *Economic Times*, December 9, 2015.
- K. Krishnamurthy, "[Meet Varun Sivaram, the Stanford graduate who believes in India's solar energy story](#)," *Economic Times*, November 17, 2015.
- B. Plumer, "[Why Strict Fuel Economy Rules Still Make Sense—Even When Oil's Cheap](#)," *Vox*, November 2, 2015.
- R. Salam, "[Subsidizing Old Cleantech can Stymie New Cleantech](#)," *National Review*, July 1, 2015.

SELECTED MEDIA APPEARANCES

- ["Blockchain in the Energy Sector,"](#) Center for Strategic and International Studies Energy360 Podcast, October 2018.
- ["Varun Sivaram on BBC Impact with Yalda Hakim: A Conversation About His New Book, *Taming the Sun*,"](#) BBC World News, June 18, 2018.
- ["30 Under 30 Varun Sivaram Warns That Without Innovation, Solar Power Will Flounder,"](#) *Forbes Podcast*, June 6, 2018.
- ["The Potential of Solar Energy and How to Harness It,"](#) *CBS This Morning Podcast*, May 15, 2018.
- ["Crossing the Solar Energy Finish Line,"](#) *The Brian Lehrer Show on WNYC*, April 16, 2018.
- ["How Solar Energy Can Rise to Dominance,"](#) *KQED Forum on NPR*, April 4, 2018.
- ["Bloomberg Markets: Innovations to Harness Solar Energy,"](#) *Bloomberg Radio*, March 28, 2018.
- "The Future of Solar Energy," *CBS This Morning Podcast*, March 28, 2018.
- ["How Solar Can Become the World's Dominant Source of Energy—or How It Can Stall,"](#) Greentech Media The Interchange Podcast, February 19, 2018.
- ["What Tariffs Mean for the Solar Industry,"](#) *Here and Now (carried by National Public Radio)*, January 23, 2018.
- ["U.S. Solar Dispute: Trump Faces a Decision,"](#) Columbia Energy Exchange Podcast, November 20, 2017.
- ["In Remote Kenyan Villages, Solar Startups Bring Light,"](#) *PBS Newshour*, November 22, 2017. [Includes footage of Prof. Varun Sivaram's class at Georgetown University at timestamp 3:55]
- ["U.S. Solar Dispute: Trump Faces a Decision,"](#) *Columbia University Energy Exchange Podcast*, November 20, 2017.
- ["Renewables in the Trump Era: Doomed or Too Big to Fail?"](#) *National Public Radio: Trump on Earth Podcast*, August 14, 2017.
- ["Bloomberg Daybreak: Why Trump's Exit from Paris is an 'Unmitigated Disaster,'"](#) Bloomberg TV, June 2, 2017.
- ["All Things Considered: China Poised to Fill Leadership Void on Climate Policy—With Economic Incentives,"](#) *National Public Radio*, April 2, 2017.

[“Clean Energy Politics: Can You Dig Clean Coal?”](#) *Australian Broadcasting Corporation*, “Late Night Live with Philip Adams” (broadcast across Australia), February 13, 2017.

[“Energy and Climate Challenges Facing Trump’s Secretary of State Nominee Rex Tillerson,”](#) *BBC World News*, January 11, 2017.

[Interview in Spanish] [“Las Relaciones Exteriores de los Estados Unidos Bajo Trump,”](#) NTN 24, December 19, 2017 [27:00–33:30].

[“How Will Trump’s Secretary of State Rex Tillerson Conduct U.S. Foreign Policy?”](#) *BBC World News*, December 13, 2016.

[“Where Clinton and Trump Stand on Climate Change,”](#) *National Public Radio: The Allegheny Front*, October 7, 2016 (Interview with Reid Frazier).

[“U.S. and India Share the Same Strategic Aims,”](#) *CNBC*, September 1, 2016.

[“Cleantech Venture Capital is Dead,”](#) *Greentech Media Podcast: The Interchange*, August 1, 2016.

[“The Clean Energy Revolution,”](#) *Foreign Affairs Focus*, June 27, 2016.

[“Sivaram: Green Tech’s Death Valley,”](#) Bloomberg Radio, June 7, 2016 (interview with Tom Keene).

[“India’s Energy Infrastructure Needs,”](#) *Marketplace Tech*, June 6, 2016 (interview with Ben Johnson).

[“India, Still Poor, Insists on Its Full Serving of Energy,”](#) *National Public Radio*, December 1, 2015.

[“How Cheap can Solar Get?”](#) The Interchange Podcast on *Greentech Media*, September 22, 2015.

[“Perovskites Are a Big Breakthrough for the Solar Industry, Expert Says,”](#) *Bloomberg Radio*, “Taking Stock with Kathleen Hays,” August 5, 2015 (Interview with Kathleen Hays).

[“Solar Power Still Needs to Get Much Cheaper. Are Perovskites the Answer?”](#) *Vox*, July 1, 2015.

[“How Los Angeles is Moving Toward Energy Independence.”](#) *CNBC Asia: The Call*. Dalian, China. 2013.

SELECTED TALKS AND VIDEOS

[“Beyond the Green Horizon,”](#) [Lead Role in Feature-Length Documentary], **Dutch Public Broadcaster VPRO**, September 2018.

[“Why Solar Needs Innovation to Realize Its Potential,”](#) *Taming the Sun* Launch Video, **Council on Foreign Relations**, 2018.

[“We’re Doomed If Solar Energy Stalls—Here’s How to Keep It Rising,”](#) **TEDx** Talk at Yale University, 2018.

[“Taming the Sun: Innovations to Harness Solar Energy and Power the Planet,”](#) **Stanford University Precourt Institute for Energy**, April 2, 2018.

[“Taming the Sun Launch Event,”](#) **Council on Foreign Relations**, with Richard Haass, March 29, 2017.

[“Taming the Sun Launch Event,”](#) **Center for Strategic and International Studies**, March 16, 2017.

- [“Innovations to Harness Solar Energy,”](#) **SXSW**, Austin, March 12, 2018.
- [“Voices of Innovation: The Future of Solar Energy,”](#) **IHS CERAWEEK**, Houston, March 8, 2018.
- [“Taming the Sun: Innovations to Harness Solar Energy and Power the Planet,”](#) **Harvard University Kennedy School of Government**, March 5, 2018.
- [“Keynote Address: A Clean Energy Transition,”](#) **Massachusetts Institute of Technology**, MIT Energy Conference, March 2, 2018.
- [“The Future of the Global Solar Industry,”](#) **National University of Singapore**, November 20, 2017.
- [“Thirty Years of Climate Change: What Will the Next Three Decades Bring?”](#) **Aspen Ideas Festival**, June 28, 2017.
- [“Sustainable Energy Expansion in Turkey and the Broader Region,”](#) **Atlantic Council Istanbul Summit**, April 28, 2017.
- [“Solar Power and Clean Energy Innovation,”](#) **Council on Foreign Relations**, New York, January 24, 2017.
- [“How Cities are Using Technology to Confront Environmental Challenges,”](#) **Wharton School of Finance**, San Francisco, October 18, 2016.
- [“Gulf Economic Update: Energy Investment in a Low-Oil-Price Era,”](#) *Foreign Affairs Live*, October 5, 2016.
- [“The U.S.-India Strategic Partnership: Accelerating a Clean Energy Future,”](#) **Atlantic Council**, Washington, D.C., September 12, 2016.
- [“Oil Market Futures: The Policy and Politics Shaping Twenty-First Century Energy,”](#) **Carnegie Endowment for International Peace**, Washington D.C., June 28, 2016.
- [“Solar Technology Innovation: Predicting the Next Big Thing,”](#) **Greentech Media Solar Summit**, Scottsdale, Arizona, May 2016.
- [“Investing in Innovation to Implement Paris Climate Agreement,”](#) **Civic-Exchange**, Hong Kong, April 2016.
- [“Investing in Clean Energy Innovation,”](#) Keynote, **Middle East Electricity Summit**, Dubai, UAE, Mar. 2016.
- [“Innovative Technologies for a Modern Power Sector: Lessons from the United States,”](#) **Observer Research Foundation**, Delhi; IIS Bangalore; IIT Madras; CPPR, Kerala; November, 2015.
- [“The Future of Solar Energy,”](#) **Columbia Center on Global Energy Policy**, October 20, 2015.
- [“Distributed Solar in Los Angeles.”](#) *VerdeXchange LA*. Los Angeles, USA. January 27th, 2014.
- [“This House is Proud to be Patriotic.”](#) Opening Speech, **Oxford Union Debate**, 2013.
- [“L.A.’s Solar Feed-in Tariff Program.”](#) Office of Mayor Antonio R. Villaraigosa. 2013.
- [“Enhanced Charge Transport in Flexible, SnO₂ Nanowire-based Solid State Dye Sensitized Solar Cells.”](#) *4th International Conference on Hybrid and Organic Photovoltaics*. Uppsala, Sweden. May 7, 2012.