

EDWARD A. CUNNINGHAM, IV

Ash Center for Democratic Governance and Innovation
Harvard Kennedy School
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PROFESSIONAL APPOINTMENTS

- 2014- **HARVARD KENNEDY SCHOOL** (Cambridge, MA)
Director, China Programs, Ash Center for Democratic Governance & Innovation
Director, Asia Energy & Sustainability Initiative
Adjunct Lecturer of Public Policy
- 2011-2014 **BOSTON UNIVERSITY** (Boston, MA)
Kuei Shyan Wang Career Development Professor
Assistant Professor of Political Economy, Department of Earth and Environment
- 2009-2011 **HARVARD KENNEDY SCHOOL** (Cambridge, MA)
Postdoctoral Fellow, Ash Center for Democratic Governance & Innovation
- 2005-2007 **TSINGHUA UNIVERSITY** (Beijing, PRC)
Visiting Fulbright Scholar, School of Public Policy & Management
- 2003-2009 **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** (Cambridge, MA)
Research Fellow, Industrial Performance Center
- 2003-2004 **NATIONAL BUREAU OF ECONOMIC RESEARCH** (Cambridge, MA)
Research Fellow
- 2000-2002 **HARVARD KENNEDY SCHOOL** (Cambridge, MA)
Program Officer, China Public Policy Program

EDUCATION

- 2009 **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** (Cambridge, MA)
Ph.D. in Political Science
Dissertation: *A Portfolio Approach to Energy Governance: State Management of China's Coal and Electric Power Supply Industries*
- 2000 **HARVARD UNIVERSITY** (Cambridge, MA)
A.M. in Regional Studies: Political Economy in East Asia
- 1998 **GEORGETOWN UNIVERSITY** (Washington, DC)
B.S. *cum laude*, with specialization in Economics and Business
- 1996 **PEKING UNIVERSITY** (Beijing, PRC)
Intensive advanced Mandarin language program

PUBLICATIONS

- Cunningham, E. and Li, Y. (2020) “China’s Most Generous: Understanding China’s Philanthropic Landscape”, China Philanthropy Project, HKS Ash Center for Democratic Governance and Innovation. <https://chinaphilanthropy.ash.harvard.edu>
- Turiel, J., Cunningham, E., and Saich, A. (2019) “To Serve the People: Income, Region, and Citizen Attitudes towards Governance in China (2003-2016)”, *China Quarterly* vol. 238 pp.1-30.
- Cunningham, E. (2013) “The Jinyuan Group: China’s Energy Boom and the Rise of Local Government Entrepreneurs”, *Harvard Kennedy School Case Study*.
- Cunningham, E., and Matus, K. (2013) “Multinational Corporations and “Indigenous Innovation” in China’s Chemical Industry: The Case of Dow Chemical”, *Harvard Kennedy School Case Study*.
- Cunningham, E. (2013) “Green Innovation in China”, Review of *Green Innovation in China* by Joanna Lewis, Columbia University Press, *Review of Policy Research* 30(6).
- Cunningham, E., and Dr. Prof. Subrot. (2011) “Beyond Reformasi: Rethinking Indonesia’s Energy Governance”, *Strategic Review*, 1(2).
- Cunningham, E. “Fueling the Miracle: China’s Energy Governance and Reform,” in Joseph Fewsmith (ed.), *China Today, China Tomorrow: Domestic Politics, Economy, and Society*, (Lanham, MD: Rowman and Littlefield, 2010).
- Steinfeld, E., Lester, R., and Cunningham, E. (2009) “Greener Plants, Grayer Skies,” *Energy Policy*, 37(5).
- Steinfeld, E., Lester, R., and Cunningham, E. (2008) “Power Plant Emissions: What the Sulfur Tells Us,” *China Economic Quarterly*.
- Cunningham, E. (2007) “Zhongguo dianli hangye gaige yu fazhan,” [China’s Electric Power Industry Reform and Development] *Gonggong Guanli Pinglun* [Public Management Review] (Tsinghua University Press), 6.
- Cunningham, E. (2007) “China’s Energy Governance: Perception and Reality,” *Audits of the Conventional Wisdom*, M.I.T. Center for International Studies.
- Cunningham, E., Thun, E., and Lynch, T. “A Tale of Three Sectors: Diverging Paths in Taiwan’s Automotive Industry,” in Suzanne Berger and Richard Lester (eds.), *Global Taiwan* (Armonk, NY: M.E. Sharpe, 2005).

SPONSORED RESEARCH AND HONORS

Dalio Foundation	(2016-19)
Tianfu Group	(2016-19)
Kuei Shyan Wang Career Development Professor Chair (BU)	(2014)

China Southern Power Grid Corp.	(2011-14)
Harvard Ash Center Post-doctoral Fellow (Three-Year)	(2009-12)
M.I.T. – Japan International Studies Grantee	(2007)
Total Corporation Graduate Fellow	(2006)
Fulbright Scholar to China	(2005–2006)
M.I.T. Department of Political Science 5-Year Fellowship	(2002–2007)
Georgetown University First Honors	(1998)
Georgetown University China Studies Fellow	(1998)
The Georgetown University Louis McCahill Award	(1998)
The Milton Academy Chinese Award	(1994)

INVITED PRESENTATIONS

HARVARD UNIVERSITY

Cambridge, MA. Critical Issues Confronting China Series (December 2020)

Presented: “Understanding CCP Resilience: Surveying Chinese Public Opinion Through Time”

AMERICAN POLITICAL SCIENCE ASSOCIATION

Virtual (September 2020)

Discussant: “Understanding Policy Formation and Reform in China: A Pluralist Approach”

GREENTECH CAPITAL ADVISORS – CEO SUMMIT

Andermatt, Switzerland (June 2019)

Presented: “China and Global Energy Markets: Internal, External, and Bilateral Changes”

HARVARD SHANGHAI CENTER

Shanghai, PRC (October 2018)

Presented: “US-China Elite Philanthropy: Comparing the Top 100”

JAPAN INSTITUTE OF INTERNATIONAL AFFAIRS

Tokyo, Japan (October 2018)

Presented: “US Retreat, China Advance? Energy, Climate & Implications”

CANON INSTITUTE

Tokyo, Japan (October 2018)

Presented: “The X Factor: China & Energy”

ASPEN CEO FORUM – ASPEN IDEAS FESTIVAL

Aspen, CO (June 2016, 2018)

Presented: “China’s Outbound Investments and The Future of Sustainability”

GOLDMAN SACHS PHILANTHROPY SUMMIT

Beijing, PRC (December 2017)

Presented: “China’s Most Generous: Harvard Report on Philanthropy in China”

LA WORLD AFFAIRS COUNCIL

Los Angeles, CA (September 2017)

Presented: “China’s Most Generous: Harvard Report on Philanthropy in China”

CHINA MERCHANTS BANK ANNUAL MEETING

New York, NY (October 2016, 2017)

Presented: “Trends in US-China Bilateral Investment”

HARVARD BUSINESS SCHOOL ASIA BUSINESS CONFERENCE

Cambridge, MA: *Clean Energy in Asia: Leader or Laggard?* (March 2010, October 2016)
Presented: “China Speed: Understanding China’s Role in Global Energy R+D”
Panel: “China’s Clean Tech Landscape”

CISCO CORPORATION

Cambridge, MA (September 2016)
Presented: “Solar Wars: China, the U.S., Trade and Climate”

COLUMBIA UNIVERSITY

New York, NY (May 2016)
Presented: “The Global Energy Transition and China’s Energy Revolution”

UNIVERSITY OF CALIFORNIA-SAN DIEGO

San Diego, CA (April 2016)
Presented: “China’s Process of Energy Reform: Opportunities and Challenges”

NATIONAL COMMITTEE ON US-CHINA RELATIONS

New York, NY (April 2016, September 2015)
Panel: “Geopolitical and Security Ramifications of the New American Energy Outlook”

AMERICAN POLITICAL SCIENCE ASSOCIATION

Washington, DC (August 2014)
Panel: “Environmental Governance in China: Compliance, Monitoring and Information in the Digital Age”

INDIANA UNIVERSITY

Bloomington, ID (April 2014)
Presented: “Climate Negotiating Blocs: A Physical Realignment” at Research Center for Chinese Politics and Business

BOSTON UNIVERSITY

Boston, MA (April 2014) Biogeosciences Seminar
Presented: “Linking Corporate Behavior and Emissions: Is China Changing?”

HARVARD UNIVERSITY

Cambridge, MA: *35th Anniv. Normalization of US-China Diplomatic Relations* (March 2014)
Panel: “Science and Technology Cooperation?”

NATIONAL ACADEMY OF SCIENCES

Washington, DC (November 2013)
Panel: “China’s Emerging Role in Financing Clean Energy Technologies”

HARVARD ASIA VISION 21

Cambridge, MA (May 2013)
Presented: “Distributed Energy and Shale Gas: American Myths, Chinese Reality”

CARNEGIE-TSINGHUA GLOBAL POLICY CENTER

Beijing, China (March 2013)
Presented: “Energy Markets: American Myths, Chinese Reality”

AMERICAN CHAMBER OF COMMERCE, BEIJING, CHINA

Beijing, China (March 2013)
Presented: “Energy Markets: American Myths, Chinese Reality”

M.I.T.-CHINA INNOVATION AND ENERGY FORUM

Cambridge, MA (November 2012)
Presented: “The Promise of Increments in Energy Innovation”

INDONESIAN INSTITUTE FOR ENERGY ECONOMICS

Jakarta, Indonesia (July 2012)

Presented: “Squaring the Circle: Politics and Energy Supply in Indonesia”

INTERNATIONAL ENERGY AGENCY

Paris, France (May 2012)

Presented: “Understanding China’s Energy Rise – A Portfolio Approach”

STOCKHOLM SCHOOL OF ECONOMICS

Stockholm, Sweden (May 2012)

Presented: “Understanding China’s Energy Rise – A Portfolio Approach”

RUTGERS ENERGY INSTITUTE

New Brunswick, NJ (April 2012)

Presented: “Chinese Energy Security: Resource Policy and Implications for Global Coal Markets”

INTER-AMERICAN DIALOGUE

Washington, DC, (February 2012)

Presented: “Chinese Energy Governance and the Role of the State: Implications for Latin America”

M.I.T. ENERGY CONFERENCE

Cambridge, MA: Panel Chair, “China: The Cradle of New Energy Technology?” (March 2010)

KELLOGG SCHOOL OF MANAGEMENT

Northwestern University, Chicago, IL: *Global Initiatives in Mgmt Seminar* (February 2010)

Presented: “China’s Energy Landscape: The View Post-Copenhagen”

M.I.T. DEPARTMENT OF EARTH, ATMOSPHERIC, AND PLANETARY SCIENCE

Cambridge, MA (December 2009)

Presented: “The Governance of China’s Energy Sector: Risk and State Ownership in the World’s Largest Energy Production Market”

DUKE UNIVERSITY, SANFORD SCHOOL OF PUBLIC POLICY

Durham, NC (December 2009)

Presented: “The Governance of China’s Energy Sector: Risk and State Ownership in the World’s Largest Energy Production Market”

HARVARD SCHOOL OF ENGINEERING AND APPLIED SCIENCES

Cambridge, MA: Harvard China Project Seminar (November 2009)

Presented: “Governing China’s Energy Markets: How is the World’s Largest Energy Producer Managed?”

STANFORD PROGRAM ON ENERGY AND SUSTAINABLE DEVELOPMENT

Stanford, CA (February 2009, October 2008, November 2007)

Presented: “Pricing and Market Structure in China’s Coal Market: A Power Survey”

US-CHINA ECONOMIC AND SECURITY REVIEW COMMISSION

Dirksen Senate Building, Washington, DC (August 2008)

Testified on panel “China’s Energy Policymaking Structure and Reforms” for hearing on *China's Energy Policies and Environmental Impacts*

TEACHING EXPERIENCE

Asia Economy and Business

2009-Present **HARVARD KENNEDY SCHOOL** (Cambridge, MA)

Global Business Leaders Program (faculty co-chair)
China Business Leaders Program (faculty co-chair)
Asia Energy Business Leaders Program (faculty co-chair)
China Leaders in Finance Program (faculty co-chair)
China Construction Bank Globalization Program (faculty co-chair)
China Executive Leaders in Philanthropy Program (faculty co-chair)
Global Philanthropy Leaders Program (faculty co-chair)
China Government Leaders in Development Program (faculty co-chair)

2011-14 **BOSTON UNIVERSITY** (Boston, MA)
Fundamentals of International Economics (IR 292 undergraduate core course)

2005-2009 **HARVARD KENNEDY SCHOOL** (Cambridge, MA)
Asia in the World Economy (IGA 328, co-taught with Prof. Dennis Encarnation)

Energy and Sustainable Development

2009- **HARVARD KENNEDY SCHOOL** (Cambridge, MA)
China Business Leaders Program (faculty co-chair)
China Finance Leaders Program (faculty co-chair)
Asia Energy Business Leaders Program (faculty co-chair)
China Government Leaders in Development Program (faculty co-chair)
China Philanthropy Leaders Program (faculty co-chair)

2011-14 **BOSTON UNIVERSITY** (Boston, MA)
Energy, Society and Environment (GE 519 grad/undergrad elective course)

Non-Market Strategy

2009- **HARVARD KENNEDY SCHOOL** (Cambridge, MA)
China Business Leaders Program (faculty co-chair)
China Finance Leaders Program (faculty co-chair)
Asia Energy Business Leaders Program (faculty co-chair)
China Government Leaders in Development Program (faculty co-chair)
China Philanthropy Leaders Program (faculty co-chair)

Political Economy of China

2009- **HARVARD KENNEDY SCHOOL** (Cambridge, MA)
China Business Leaders Program (faculty co-chair)
China Finance Leaders Program (faculty co-chair)
Asia Energy Business Leaders Program (faculty co-chair)
China Government Leaders in Development Program (faculty co-chair)

TEACHING INTERESTS

Energy Markets and Technologies
Sustainable Development - Climate, Environmental Policy, and Technology
Infrastructure, Investment and Sustainability
Non-Market Strategy
Competitiveness and Innovation
Chinese Economy and Business

Comparative Politics
Comparative Business/Government Relations
International Economy and Trade

SELECTED MEDIA COVERAGE

NPR Morning Edition: <https://www.nprillinois.org/2022-10-24/chinas-xi-jinping-embarks-on-his-third-5-year-term-as-communist-party-boss>

The Conversation: <https://theconversation.com/jiang-zemin-propelled-chinas-economic-rise-in-the-world-leaving-his-successors-to-deal-with-the-massive-inequality-that-followed-195675>

Energy vs. Climate Podcast: <https://www.energyvsclimate.com/coal-vs-climate/>

American Chamber of Commerce: <https://www.amcham-shanghai.org/en/article/insight-magazine-business-giving-back>

Associated Press: <https://www.usnews.com/news/business/articles/2020-06-08/chinas-companies-emerge-as-global-donors-in-virus-pandemic>

Axios: <https://www.axios.com/china-government-confidence-surveys-faf08234-0024-447c-9ee7-edf102346a7b.html>

Harvard Gazette: <https://news.harvard.edu/gazette/story/2020/10/experts-examine-post-election-foreign-policy-intelligence-defense/>

PBS: <https://www.pbs.org/wgbh/frontline/article/all-roads-lead-to-china-the-belt-and-road-initiative-explained/>

Foreign Policy: <https://foreignpolicy.com/2019/06/09/when-coal-came-to-paradise-china-coal-kenya-lamu-pollution-africa-chinese-industry-bri/>

New York Times: <https://www.nytimes.com/2022/09/08/business/economy/climate-change-supply-chain.html>

NPR: <https://www.npr.org/2019/04/29/716347646/why-is-china-placing-a-global-bet-on-coal>

NPR: <https://www.npr.org/2019/04/29/718165008/chinas-infrastructure-plan-criticized-for-harming-other-countries-environments>

NPR: <https://www.npr.org/2019/04/26/717414877/china-hosts-world-leaders-to-promote-its-belt-and-road-initiative>

ABC News: <http://abcnews.go.com/Technology/wireStory/wasted-green-power-tests-chinas-energy-leadership-47836310>

The Economist: <http://sustainablegiving.economist.com/>

The Economist: <https://www.eiuperspectives.economist.com/financial-services/eastern-promise-young-philanthropists-asia>

The Economist: <http://www.economist.com/news/special-report/21701655-chinas-growing-wealth-unevenly-spread-and-good-investments-are-hard-to-find-keeping-up>

The Economist: <https://www.economist.com/china/2020/10/24/apparatchiks-and-academics-alike-struggle-to-take-chinas-pulse?frsc=dg%7Ce>

The Economist: <http://sustainablegiving.economist.com/silent-legacy-asias-philanthropists/>

The Economist: <http://www.economist.com/node/21548237>

The Economist: http://www.economist.com/sites/default/files/sr_china_mailout_09.07.16.pdf

Wall Street Journal: <http://www.wsj.com/articles/china-tries-to-encourage-giving-1457977491>

Wall Street Journal: <http://blogs.wsj.com/chinarealtime/2016/01/28/the-big-winner-in-chinas-philanthropy-game-schools/>

Wall Street Journal: <http://blogs.wsj.com/chinarealtime/2016/03/16/the-good-and-bad-about-chinas-new-charity-law/>

Forbes: <http://www.forbes.com/sites/katiasavchuk/2016/01/27/the-faces-of-chinas-new-philanthropy/#2fb4f75a1c9b>

Financial Times: <http://www.ft.com/intl/cms/s/0/e29e6eae-c4e7-11e5-808f-8231cd71622e.html#axzz430haBVvE>

Christian Science Monitor: <http://www.csmonitor.com/Business/Guide-to-Giving/2016/1122/In-China-a-philanthropy-evolution>

Christian Science Monitor: <https://www.csmonitor.com/World/Asia-Pacific/2021/0218/Vilified-abroad-popular-at-home-China-s-Communist-Party-at-100>

Chronicle of Philanthropy: https://www-philanthropy-com.ezp-prod1.hul.harvard.edu/article/China-Booms-as-Source-of/241106?cid=cpfd_home

Boston Globe: <https://www.bostonglobe.com/ideas/2016/03/13/china-seeks-its-own-rockefeller/iSI0ZX0XieRH9RhFCWJR4N/story.html>

China Daily TV Video Interview: https://www.youtube.com/watch?v=dtP8y_blb18

China Daily: http://usa.chinadaily.com.cn/epaper/2016-01/28/content_23287913.htm

South China Morning Post: <http://www.scmp.com/news/china/policies-politics/article/1922574/needy-clauses-would-chinas-proposed-charity-law-be-gift>

South China Morning Post: <http://www.scmp.com/news/china/money-wealth/article/1905888/whos-chinas-most-generous-billionaire-well-its-not-who-you>

South China Morning Post: <https://www.scmp.com/news/china/article/3192056/chinese-charities-struggling-raise-funds-covid-19-lockdowns-and-slowng>

Sina: <http://finance.sina.com.cn/manage/mroll/2016-01-27/doc-afxnuvxc2093390.shtml>

Inside Philanthropy: <https://www.insidephilanthropy.com/home/2019/3/21/as-china-rises-its-new-billionaire-class-is-turning-to-philanthropy>

VOA: <https://www.voanews.com/a/china-s-drought-threatens-nation-s-energy-food-and-economic-security-/6725241.html>

PROFESSIONAL SERVICE

Co Editor-in-Chief, *Brill Research Perspectives in Governance and Public Policy in China*

Ad-Hoc Reviewer, *Proceedings of the National Academy of Sciences*

Ad-Hoc Reviewer, *Science*

Ad-Hoc Reviewer, *Comparative Politics*

Ad-Hoc Reviewer, *Review of Policy Research*

Ad-Hoc Reviewer, *Energy Policy*

Manuscript Referee, Cambridge University Press

Member: Social Science Curriculum Review Faculty Committee, BU (2014)

Member: Faculty Search Committee, Dept. Earth & Environment, BU (2013-14)

Member: Faculty Merit Review Committee, Dept. Earth & Environment, BU (2013)

Founding Faculty Advisor, BU Italian Students Association (2014-15)

Review Panel Member: US Dep of Energy, US-China Clean Energy Research Center (2010-12)

Member: M.I.T. Department of Political Science Personnel Committee (2005)

Member: Academy of Management, American Political Science Association

SELECTED INDUSTRY EXPERIENCE

2021- **IDEANOMICS** (New York, NY)
Consultant

2012-2021 **GREENTECH CAPITAL ADVISORS** (New York, NY)
Senior Advisor, Advisory Council Member

2017-2018 **WINGTECH MEDIA GROUP** (Shanghai, PRC)
Senior Advisor

2012-2017 **WELLFORD ENERGY** (Washington, DC)
Senior Advisor

2016-2017 **XIANG HE CAPITAL** (Palo Alto, CA)
Venture Advisor

LANGUAGES

Fluent in Mandarin and Italian