

EDWARD A. CUNNINGHAM, IV

John F. Kennedy School of Government
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EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (M.I.T.), Cambridge, MA
Ph.D. in Political Science (2009)

HARVARD UNIVERSITY, Cambridge, MA
A.M. in Regional Studies: East Asia (2000)

GEORGETOWN UNIVERSITY, Washington, DC
B.S. *cum laude* in Chinese; Minor Field: Business (1998)

PEKING UNIVERSITY, Beijing, PRC
Intensive advanced Mandarin language program (1996)

MILTON ACADEMY, Milton, MA (1994)

PUBLICATIONS

“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, July 2010).

“Greener Plants, Grayer Skies,” *Energy Policy*, vol. 37, no. 5 (May 2009); with Edward Steinfeld and Richard Lester.

“Power Plant Emissions: What the Sulfur Tells Us,” *China Economic Quarterly*, September 2008; with Edward Steinfeld and Richard Lester.

“Greener Plants, Grayer Skies: A Report from the Front Lines of China’s Energy Sector,” M.I.T. Industrial Performance Center, August 2008; with Edward Steinfeld and Richard Lester.

“*Zhongguo dianli hangye gaige yu fazhan*,” [China’s Electric Power Industry Reform and Development] *Gonggong guanli pinglun* [Public Management Review] (Tsinghua University Press), vol. 6 (August 2007).

“Chinese Power: Reform and Development in China’s Electricity Industry,” in Peter Drysdale, Kejun Jiang, and Dominic Meagher (eds.), *China and East Asian Energy: Prospects and Issues, vol. II*, Asia Pacific Economic Papers, no. 369, Australia-Japan Research Centre, Australia National University, 2008.

“China’s Energy Governance: Perception and Reality,” *Audits of the Conventional Wisdom*, M.I.T. Center for International Studies, March 2007.

“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); with Eric Thun and Teresa Lynch.

AWARDS AND HONORS

Harvard Ash Institute 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)

SELECTED PRESENTATIONS AND CONFERENCES

SALZBURG SEMINAR

Freeman Symposium – “Strengthening Cooperation Between the US and East Asia”
 Awarded Freeman Foundation Fellowship

HARVARD ASIA BUSINESS CONFERENCE

“Clean Energy in Asia: Leader or Laggard?” (March 2010)
 Presented: “China Speed: Understanding China’s Role in Global Energy R+D”

M.I.T. ENERGY CONFERENCE

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

KELLOGG SCHOOL OF MANAGEMENT

Northwestern University, Chicago, IL (February 2010)
 Global Initiatives in Management Seminar
 Presented: “China’s Energy Landscape: The View Post-Copenhagen”

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

M.I.T., Cambridge, MA (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

Harvard University, Cambridge, MA (November 2009)
 Harvard China Project Seminar
 Presented: “Governing China’s Energy Markets: How is the World’s Largest Energy
 Producer Managed?”

HARVARD KENNEDY SCHOOL

Harvard University, Cambridge, MA (October 2009)
 Energy Technology Innovation Policy & Consortium for Energy Policy Research Seminar
 Presented: “Understanding China’s Energy Governance: A Portfolio Approach”

NEW ENGLAND BIOLABS

Beverly, MA (September 2009)

Presented: "China's Energy System: Choice and Constraint"

HARVARD CHINA REVIEW

Harvard University, Cambridge, MA (April 2009)

Presented: "Greener Plants, Grayer Skies"

STANFORD PROGRAM ON ENERGY AND SUSTAINABLE DEVELOPMENT

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

Presented: "Pricing and Market Structure in China's Coal Market: A Power Survey"

Discussed trends in China energy, world coal, and world power markets

Discussed China coal market based on M.I.T. survey, world coal and power markets

B.U. PARDEE CENTER FOR THE STUDY OF THE LONGER- RANGE FUTURE

Boston University, Boston, MA (December 2008)

Presented: "China's Energy Governance: Savior and Sinner?"

US-CHINA ECONOMIC AND SECURITY REVIEW COMMISSION

Dirksen Senate Building, Washington, DC (August 2008)

Testified on the panel "China's Energy Policymaking Structure and Reforms"
for hearing on *China's Energy Policies and Environmental Impacts*

18th and 19th ANNUAL MONTREUX ENERGY ROUNDTABLES

Montreux Palace Hotel, Montreux, Switzerland (June 2007, June 2008)

Presented: "China's Energy System: Savior and Sinner"

Presented: "Growth and Governance in China's Energy Market"

M.I.T./TOTAL SENIOR MANAGERS SEMINAR

Cambridge, MA "Energy and Development in the New Global Economy" (November 2007)

Presented: "China's Energy Governance and Growth: The Power Industry"

HARVARD UNIVERSITY U.S.-JAPAN SYMPOSIUM

Harvard University, Cambridge, MA, "National Security, Energy Resource and Regional Economic Cooperation" (March 2007)

Presented: "Rise of China in the World Energy Market"

A.N.U. CHINA AND EAST ASIA ENERGY ISSUES FORUM

Australia National University, Canberra, Australia (August 2006)

Presented: "Reform and Development in China's Electricity Industry"

ADVANCED POLICY AND MANAGEMENT

School of Public Administration, Xi'an Jiaotong University, Chengdu, PRC (November 2005)

Presented: "Globalization, Local Industrial Policy and Competitiveness from a Comparative Perspective"

GERPISA INTERNATIONAL CONFERENCE

Ministry of Research, Paris, France (June 2004)

Presented: "A Tale of Three Sectors: Autos and Auto Parts – A Mature Industry in a Globalizing World"

TEACHING AND RESEARCH EXPERIENCE

POST-DOCTORAL FELLOW – Ash Institute, Harvard Kennedy School (2009–present)

- Revising doctoral dissertation for publication. Authoring articles for academic journal submission and guest lecturing on energy markets, political economy, regulation, and China’s political and economic development.

INSTRUCTOR – Harvard Kennedy School (2005–9)

- Lectured, designed curriculum, and led discussions for graduate course “Asia in the World Economy.” Topics include: regional energy markets, comparative industrial policy, comparative business and government relations, and trade and investment in Greater China and Southeast Asia. Class historically consists of over 90 students from multiple departments throughout Harvard, M.I.T., and other area universities.

TEACHING FELLOW – Department of Political Science, M.I.T. (2006–7)
– Faculty of Arts and Sciences, Harvard University (1999)

- Designed and led class sections for Prof. Edward Steinfeld’s courses: “The Political Economy of Chinese Reform” and “The Rise of China.” Created and facilitated discussion for 30 undergraduates analyzing the content and underpinnings of the semester-long courses.
- Designed and led weekly class sections for Prof. Roderick MacFarquhar’s course: “The Cultural Revolution.” Created and facilitated discussion for 35-40 undergraduates analyzing the content and underpinnings of the semester-long course.

VISITING SCHOLAR – Public Policy and Management, Tsinghua University (2005–6)

- Conducted 18 months of doctoral fieldwork interviews with leading Chinese energy firms from the oil, electric, and coal industries; officials from central and local governments implementing energy regulation; experts from Chinese academic and think-tank communities; and practitioners from private industry.
- Co-designed and co-executed national survey of China’s electric power market and regulatory regime encompassing 14 provinces and 299 generating units. Survey measured fuel pricing and characteristics, power pricing, generation and environmental mitigation technology, regulatory change and government involvement.

RESEARCH FELLOW – Industrial Performance Center, M.I.T. (2003)

- Conducted interviews with private firms, industry associations, and government officials in Mandarin and English throughout Taiwan and the U.S.

RESEARCHER – National Bureau of Economic Research (2003)

- Authored summer student research paper concerning the consolidation and globalization of the U.S. defense industry and the security implications of current outsourcing trends.
- Conducted interviews with U.S. defense industry firms, associations, and government officials.

PROGRAM OFFICER – China Public Policy Program, Harvard Kennedy School (2000–2)

- Participated in academic curriculum design, management, and fundraising for China’s first large-scale public policy training program; included coordination with Chinese scholars, research centers, and the PRC State Council.
- Conducted bi-lingual interviews, evaluated and selected central and provincial government officials from PRC and Taiwan for placement in research fellowships and

Harvard executive programs.

- Participated in corporate and individual fundraising, negotiations, and managed relevant budgets.

RESEARCHER-WRITER – Let’s Go Publications, Inc. (1999)

- Traveled throughout China’s Xinjiang, Gansu, Qinghai, and Ningxia provinces, collected data and authored chapter in “Let’s Go: China 2000,” inaugural edition.

COURSE ASSISTANT – Harvard Kennedy School (1999)

- Researched materials for World Development course taught by Prof. Anthony Saich.

WRITING ASSISTANT – Clear Thinking Inc., Economist Intelligence Unit (1996)

- Aided in the research, writing, and editing of several publications concerning changing Chinese political and economic conditions and infrastructure markets.

RESEARCH INTERESTS

Chinese Political Economy, Comparative Politics, Energy Markets, Globalization, Industrial Policy, Regulation Theory, Comparative Business-Government Relations, Public Administration

RESEARCH SKILLS

Fluency in Mandarin Chinese

Fluency in Italian

Proficiency in STATA

PROFESSIONAL ACTIVITIES

Manuscript Referee, Cambridge University Press (2009-present)

Reviewer, *Energy Policy* (2009-present)

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

China Affairs Editor, *Harvard Asia Quarterly* (1999-2000)

Member, American Political Science Association (2002-present)