

# THE STANFORD KYOTO TRANS-ASIAN DIALOGUE

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## ENERGY, ENVIRONMENT, AND ECONOMIC GROWTH IN ASIA

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SEPTEMBER 10–11, 2009 / KYOTO INTERNATIONAL COMMUNITY HOUSE

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KYOTO, JAPAN



THE STANFORD KYOTO  
TRANS-ASIAN DIALOGUE:  
ENERGY, ENVIRONMENT, AND  
ECONOMIC GROWTH IN ASIA

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KYOTO INTERNATIONAL COMMUNITY HOUSE  
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WITH GENEROUS SUPPORT FROM

THE CITY OF KYOTO

THE FREEMAN SPOGLI INSTITUTE FOR INTERNATIONAL  
STUDIES (FSI), STANFORD UNIVERSITY

YUMI AND YASUNORI KANEKO

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## MISSION

The Walter H. Shorenstein Asia-Pacific Research Center (Shorenstein APARC) at Stanford University has launched the Stanford Kyoto Trans-Asian Dialogue, a new multiyear event, which is intended to enhance cooperative approaches to issues of common concern among nations in the Asia-Pacific region.

This inaugural gathering focuses on the critical nexus of energy and environment. We will examine how to meet the rapidly growing demand for energy throughout Asia and how to cope with the threat of climate change, amid a global economic downturn.

The dialogue brings together distinguished experts from Stanford and Silicon Valley, top specialists from around the region, and leaders in various fields such as business, politics, academia, and media. The meeting will begin with an exploration of the influence of energy competition on international relations in Asia. After establishing the geopolitical context the group will explore new ideas on how to promote energy efficiency, clean technology, and the reduction of carbon emissions.

The dialogue will look closely at the Japanese experience in the development and dissemination of energy efficient and pollution-control technologies, critical elements of meeting growing demands for energy without causing greater harm to the environment. We will discuss how the United States, under the new Obama administration, may contribute more to the reduction of carbon emissions and the advance of alternative energy technologies. And we will analyze how the growing energy consumers in developing Asia can join a post-Kyoto Protocol that effectively mitigates the environmental impact of energy use and reduces the tensions arising from competition for energy resources.

## AGENDA

### Thursday, September 10, 2009

- 9:00 **Introduction**  
Dr. Gi-Wook Shin, Director, Shorenstein APARC, Stanford University
- 9:30 **Session 1: Energy and Geopolitics in Asia**  
Ambassador Michael Armacost, Shorenstein APARC, Stanford University  
Ambassador Cho Hyun, Ministry of Foreign Affairs and Trade, ROK
- 12:00 **Lunch (on-site restaurant)**
- 1:30 **Session 2: Energy Efficiency**  
Dr. James Sweeney, Precourt Institute for Energy Efficiency, Stanford University  
Dr. Yoichi Kaya, Research Institute of Innovative Technology for the Earth (RITE), Japan
- 4:00 **Research Project Presentation**  
**Energy Efficiency in International Relations: Japan in Comparative Perspective**  
Dr. Phillip Lipsky, Department of Political Science and Shorenstein APARC, Stanford University
- 6:00 **Dinner (Westin Miyako Hotel)**

### Friday, September 11, 2009

- 9:00 **Session 3: Clean Technology**  
Dr. Jiang Kejun, Energy Research Institute, China  
Lauren Bigelow, New Energy Finance, USA
- 11:30 **Bento Lunch**
- 1:00 **Session 4: Emissions Post-Kyoto Protocol**  
Dr. John Weyant, Precourt Institute for Energy Efficiency, Stanford University  
Dr. Prodipto Ghosh, Energy and Resources Institute, India
- 5:00 **Public Event**  
**Panel Discussion: Asia's Energy–Environment–Economy Future**  
Kyoto International Community House Event Hall  
*Moderator:* Dr. Masahiko Aoki, Shorenstein APARC, Stanford University

## PARTICIPANTS BY COUNTRY (ALPHABETICALLY)

### **CHINA**

Chen Qingtai  
Development Research Center, State Council

Hu Shuli  
Managing Editor, *Caijing*

Jiang Kejun  
Energy Research Institute, State Development and Reform Commission

Xue Lan  
Dean, School of Public Policy and Management, Tsinghua University

### **INDIA**

Pramit Pal Chaudhuri  
Senior Editor and Foreign Affairs Columnist, *Hindustan Times*

Prodipto Ghosh  
Distinguished Fellow, The Energy and Resources Institute

### **INDONESIA**

Asclepias R. S. Indriyanto  
Executive Director, Indonesian Institute for Energy Economics

### **JAPAN**

Ken'ichi Imai  
Senior Fellow Emeritus, FSI, Stanford University

Hisayoshi Ina  
Columnist, *Nikkei Shimbun*

Makoto Iokibe  
President, National Defense Academy

Yoichi Kaya  
Director-General, Research Institute of Innovative Technology for the Earth (RITE)

Makio Miyagawa  
Deputy Director-General for Global Issues, Ministry of Foreign Affairs

Katsuhiro Nakagawa  
Chairman, International Institute for Economic Studies; former Vice Chairman, Toyota Motor Corporation; and former Vice Minister, Ministry of International Trade and Industry (MITI)

**SOUTH KOREA**

Ambassador Cho Hyun  
Ministry of Foreign Affairs and Trade

Jae-Hyun Hyun  
Chairman, Tong Yang Group

**SINGAPORE**

Euston Quah  
Professor of Economics, Nanyang Technological University

**UNITED STATES**

Lauren Bigelow  
North American Commercial Director, New Energy Finance

Joseph Kahn  
Deputy Foreign Editor, *New York Times*

Yasunori Kaneko  
Skyline Ventures

James Sweeney  
Director, Precourt Institute for Energy Efficiency, Stanford University

John Weyant  
Deputy Director, Precourt Institute for Energy Efficiency, Stanford University

**VIETNAM**

Ton Nu Thi Ninh  
President, Tri Viet University Project

**SHORENSTEIN APARC, STANFORD UNIVERSITY**

Masahiko Aoki  
Tomoye and Henri Takahashi Professor Emeritus and Senior Fellow, FSI

Ambassador Michael Armacost  
Shorenstein Distinguished Fellow, FSI

Phillip Lipsy  
FSI Center Fellow and Assistant Professor of Political Science, Stanford University

Henry S. Rowen  
Co-director, Stanford Program on Regions of Innovation and Entrepreneurship (SPRIE);  
Senior Fellow Emeritus, FSI; and Director Emeritus, Shorenstein APARC

Gi-Wook Shin

Director, Shorenstein APARC; Tong Yang, Korea Foundation, and Korea Stanford Alumni Chair of Korean Studies; Founding Director, Stanford Korean Studies Program; Senior Fellow, FSI; and Professor of Sociology

**DIALOGUE COORDINATORS**

Benjamin Self

Takahashi Fellow in Japanese Studies, Shorenstein APARC

Daniel Sneider

Associate Director for Research, Shorenstein APARC

**OBSERVERS**

Robert Eberhart

SPRIE Research Fellow, Stanford Project on Japanese Entrepreneurship

Andrew Horvat

Director, Stanford Japan Center



## ABOUT THE PARTICIPANTS (ALPHABETICALLY)



**Masahiko Aoki** is the Henri and Tomoye Takahashi Professor Emeritus of Japanese Studies in the department of economics, and senior fellow of both the Stanford Institute of Economic Policy Research (SIEPR) and the Freeman Spogli Institute for International Studies (FSI) at Stanford University. He is a theoretical and applied economist with a strong interest in institutional and comparative issues. His preferred field covers the theory of institution, corporate governance, the Japanese and Chinese economies, and modularity.

Aoki's most recent book, *Toward a Comparative Institutional Analysis*, was published in 2001 by MIT Press. This work develops a conceptual and analytical framework for integrating comparative studies of institutions in economics and other social sciences based on game-theoretic apparatus. His research has been also published in the leading journals in economics, including *American Economic Review*, *Econometrica*, *Quarterly Journal of Economics*, *Review of Economic Studies*, *Journal of Economic Literature*, and *Industrial and Corporate Change*.

Aoki is president of the International Economic Association (2005~2008) and a former president of the Japanese Economic Association. He is a fellow of the Econometric Society and the founding editor of the *Journal of Japanese and International Economies*, as well as an associate editor and member of the scientific advisory committees for various professional journals. He was awarded the Japan Academy Prize in 1990, and in 1998 he took the 6th International Schumpeter Prize. Between 2001 and 2004, Aoki served as the president and chief research officer (CRO) of the Research Institute of Economy, Trade and Industry (RIETI), an independent administrative institution specializing in public policy research in Japan.

Aoki graduated from the University of Tokyo with a BA and an MA in economics and earned a PhD in economics from the University of Minnesota in 1967. He was formerly an assistant professor at Stanford University and Harvard University and served as both an associate and full professor at the University of Kyoto before re-joining the Stanford faculty in 1984 after sixteen years of absence. He became professor emeritus in 2004 to concentrate on research as well as be engaged in various international activities.



In his current role as Shorenstein Distinguished Fellow, **Michael Armacost** has been at Shorenstein APARC since 2002. Between 1995 and 2002, Armacost served as president of Washington D.C.'s Brookings Institution, the nation's oldest think tank and a leader in research on politics, government, international affairs, economics, and public policy. Previously, during his twenty-four-year government career, Armacost served, among other positions, as undersecretary of state for political affairs and as ambassador to Japan and the Philippines.

Armacost began his career in academia, as a professor of government at Pomona College. In 1969, he was awarded a White House Fellowship, and was assigned to the Secretary and Deputy Secretary of State. Following a stint on the State Department policy planning and coordination staff, he became a special assistant to the U.S. ambassador in Tokyo from 1972 to 1974, his first foreign diplomatic post. Thereafter,

he held senior Asian affairs and international security posts in the State Department, Defense Department, and the National Security Council. From 1982 to 1984, he served as U.S. Ambassador to the Philippines, and was a key force in helping the country undergo a nonviolent transition to democracy. In 1989, President George Bush tapped him to become ambassador to Japan, considered one of the most important and sensitive U.S. diplomatic posts abroad.

Armacost is the author of three books, the most recent of which, *Friends or Rivals?* was published in 1996 and draws on his tenure as ambassador. He also coedited, with Daniel Okimoto, *The Future of America's Alliances in Northeast Asia*, published in 2004 by Shorenstein APARC. Armacost has served on numerous corporate and nonprofit boards, including TRW, AFLAC, Applied Materials, USEC Inc., Cargill Inc., Carleton College, and The Asia Foundation.

A native of Ohio, Armacost graduated from Carleton College and earned his MA and PhD in public law and government from Columbia University. He has received the President's Distinguished Service Award, the Defense Department's Distinguished Civilian Service Award, and the Secretary of State's Distinguished Services Award.



**Lauren Bigelow** is the North American Commercial Director for New Energy Finance, the leading independent provider of information and research to investors in clean energy and the carbon markets. New Energy Finance has eleven offices globally, providing a range of newsletters, data, economic, policy and technology analysis, and carbon price forecasting to senior decision-makers.

Prior to joining New Energy Finance, Bigelow was the managing director of the Cleantech Group, where she oversaw the firm's technology and entrepreneur pipelines. Working directly with over two hundred early-stage CEOs, she helped presenting companies to raise more than \$1.1 billion. Bigelow built fourteen of the Cleantech Forums and coordinated the outreach to incubators, universities, labs, angel organizations, and investor groups. She worked closely with the Cleantech North American and China advisory boards to lead the next wave of investment opportunities and social responsibility on both continents.

Bigelow sits on the board of the Renewable Energy Business Network and on the advisory boards of the Erb Institute at the Ross School of Business; the Cleantech Innovation Challenge at the Leeds Center, University of Colorado; and the New Enterprise Forum. Prior to joining Cleantech, she was the director of the IT Zone, a networking and education organization that promoted the growth of the IT industry in Michigan. She received a BA from the University of Michigan and is a doctoral candidate at Northwestern University.



**Pramit Pal Chaudhuri** is the senior editor and foreign affairs columnist for the *Hindustan Times*. Between 2006 and 2007, he was Bernard Schwartz Fellow at the Asia Society in New York. He served previously as the foreign editor of the *Hindustan Times*, and has also worked as an editorial writer for *The Telegraph* and *The Statesman* of Calcutta. He specializes in India's international security and economic policy.

Over the past several years, Chaudhuri has been a Hubert H. Humphrey Fellow at the University of Maryland–College Park; a media fellow at the Fletcher School of Law and Diplomacy; a South Asia fellow at the Henry Stimson Center in Washington D.C., and a visiting fellow at Cornell University's South Asia department. He is a member of the Mont Pelerin Society, the Liberty Institute of New Delhi, the International Institute for Strategic Studies (UK), the Asia Society International Council, and the Aspen Institute Italia. He recently became an Indian delegate to the Indo-U.S. Strategic Dialogue. He also serves as a senior associate for the Rhodium Group.

Born in Calcutta in 1964, Chaudhuri has a BA in history from Cornell University.



**Chen Qingtai** is the deputy director of the Development Research Center, State Council, PRC. A native of Fengrun, Hebei Province, Chen was born in 1937 and graduated from Qinghua University. He began working at the No. 2 Motor Vehicle Plant in 1970 and rose from deputy division chief to director of the plant. He then became general manager and chairman of the board of the Aeolus United Automotive Industry Corporation before moving on to become chairman of the board of Aeolus-Citroen Automobile Co., Ltd.

In 1992, Chen moved to positions under the State Council in economic, trade, and monetary policy, serving as vice minister of the State Economic and Trade Commission from 1993 to 1998. In 1998, he was named deputy director of the State Council's Development Research Center. In that same year he began a term as a member of the 9th National Committee of the Chinese People's Political Consultative Conference.



**Cho Hyun** serves as Ambassador for Energy and Resources in the Korean Government. In this capacity, he deals with Korea's energy-related diplomacy. Before he assumed this post in 2008, he was the deputy permanent representative of the Korean Mission to the United Nations, working on matters of the Security Council and the Economic and Social Council (ECOSOC). Since he joined the Ministry of Foreign Affairs in 1979, he has worked on a variety of issues in international relations, including development cooperation and trade.

Cho holds a PhD in political science from University of Toulouse and recently taught international relations as an adjunct professor at the Graduate School of International Affairs of Ewha Women's University in Seoul.



**Robert Eberhart** is a research fellow at the Stanford Program on Regions of Innovation and Entrepreneurship at Shorenstein APARC. His research focuses on comparative corporate governance with special emphasis on Japan and the role of Japanese institutions in fostering entrepreneurship. From 1999 to 2007, he served as CEO of WineInStyle, a venture capital-funded start-up company in Japan that developed a solution to radically shorten the supply chain for wine distribution in that country. Eberhart is currently a managing partner at a San Francisco-based private equity firm where he is responsible for initiating, closing, and managing a portfolio of investments in Japan and U.S. ventures. He previously served as president of the Japan subsidiary of Plantronics Inc., and held engineering management positions at Applied Materials and Performance Semiconductor, where he led the team that manufactured the world's first R4000 RISC chip.

Eberhart received an MA in economics from the University of Michigan and a BA in finance at Michigan State University. He is a member of the American Economic Association, and has received awards from the Entrepreneur Association of Tokyo, the National Aerospace Manufacturers Accreditation Program, and the Society of Automotive Engineers.



**Prodipto Ghosh** is a distinguished fellow at the Energy and Resources Institute (TERI) in New Delhi. A multidisciplinary professional specializing at the interface of science, economics, and public policy, he has a PhD in economics and policy analysis from the Carnegie Mellon University, a B.Tech in chemical engineering from the Indian Institute of Technology, New Delhi, and was a member of the Indian Administrative Service (IAS) from 1969 to 2007.

Ghosh's current positions include: member of the Prime Minister's Council on Climate Change, member of the National Expert Committee on Climate Change, member of the National Security Advisory Board, and scientific consultant in the Office of the Principal Scientific Advisor to the Government of India. He continues to assist the government in preparations for the global climate change negotiations, and helped prepare India's National Climate Change Action Plan. He also chairs the Task Forces on Climate Change and Traditional Knowledge, of the Federation of Indian Chambers of Commerce and Industry, and serves as senior advisor to the World Bank on the Economics of Adaptation to Climate Change.

Ghosh's most recent past positions include secretary, Ministry of Environment and Forests, India; additional secretary, Department of Economic Affairs, India; economic advisor and additional secretary to the prime minister, India; and senior environment specialist, Asian Development Bank, Manila, Philippines. In addition, Ghosh has held consultancy positions with the United Nations Development Program, the Food and Agriculture Organization of the United Nations, the International Atomic Energy Agency, the World Bank, and the Asian Development Bank. Ghosh has held visiting faculty positions in several national and international institutions and has published numerous articles and books on topics related to energy, the environment, and development.

He has been honored with a variety of awards, including the BP Pal Centenary Memorial Award for Outstanding Contribution to Environment and Resource Conservation (2006),

the Alumni Achievement Award of the Indian Institute of Technology (New Delhi) for Outstanding Contribution to National Development (2007), and the Alumni Achievement Award from Carnegie Mellon University, for contributions to international environment policy (2007). He belongs to the American Economic Association, and is a fellow of the Institution of Engineers (India/UK).



**Andrew Horvat** directs the Stanford Japan Center, is a visiting professor at Tokyo Keizai University and a lecturer at Showa Women's University, Tokyo, where he teaches courses on cross-cultural communication, language policy, and Northeast Asian regional issues.

Born in 1946 in Hungary, Horvat escaped from his homeland in the aftermath of the abortive uprising of 1956. He and his family emigrated to Canada where he graduated in 1968 from the University of British Columbia and obtained his MA in Japanese literature in 1971. He wrote his thesis on the short stories of novelist Kobo Abe. Returning to Japan, Horvat covered Asia as a Tokyo-based journalist working for the Associated Press, the *Los Angeles Times*, the *Independent* (UK), and American Public Radio's "Marketplace" business program. He served as president of the Foreign Correspondents' Club of Japan from 1988 to 1989.

Horvat was a visiting scholar at Simon Fraser University's David Lam Center for International Communication in 1990, at Stanford University's Center for East Asian Studies from 1994 to 1995, and at the National Foreign Language Center (NFLC) in Washington D.C. in 1997. His research at Stanford and the NFLC on the increasing use abroad of the Japanese language was supported by an Abe Shintaro Fellowship. Between 1999 and 2005, he was Japan representative of The Asia Foundation.

Horvat speaks English, Japanese, and Hungarian and has studied Korean, Russian, and Spanish. He has written and translated nine books including *Kaikoku no susume* (Open Up, Japan! [Kodansha 1998]) and *Japanese Beyond Words* (Stone Bridge Press 2000).



**Hu Shuli** is the founding and managing editor of *Caijing*, China's leading finance and economics magazine. She started *Caijing* in April 1998, and under her leadership, it has become one of China's most respected business publications.

Internationally recognized for her work in journalism, Hu was selected as one of *BusinessWeek's* "50 Stars of Asia" in 2001 and named "International Editor of the Year" by the World Press Review in 2003. In 2006, the *Financial Times* cited her as one of the most powerful commentators in China. The *Wall Street Journal* listed her as one of the "Ten Women to Watch in Asia." In 2007, she won the Louis Lyons Award for Conscience and Integrity in Journalism from Harvard University's Nieman Foundation.

Hu has over twenty-five years of editorial experience with various media organizations. She started her journalism career as an international editor and reporter with the Workers Daily in 1982 and served there until 1992. Prior to founding *Caijing*, she worked as the international editor and chief reporter with *China Business Times* from 1992 to 1998. In 2001, Hu worked for the Hong Kong-based Phoenix TV as head of financial news.

Hu was selected as a Knight Fellow at Stanford University in 1995 and a World Press Fellow in 1987. She holds a BA in journalism from the People's University of China and an EMBA through a joint program hosted by Fordham University and the China Center for Economic Research (CCER) of Peking University.



**Jae-Hyun Hyun** is chairman of Tong Yang Group, a South Korean conglomerate that operates a broad spectrum of businesses through its affiliates. For much of its early history, Tong Yang contributed to Korea's industrial growth, with emphasis in cement manufacturing. However, during the mid-1980s, under Hyun's leadership, the group diversified its business structure to cover a full range of financial services such as securities brokerage, investment banking, venture capital, asset management, and life insurance. Other affiliated businesses include IT-systems integration services, housing construction, home appliance manufacturing, and leisure.

Prior to joining Tong Yang Group in 1977 as director of Tong Yang Cement Corp., Hyun served two years as public prosecutor at the Public Prosecutor's Office in Busan and three years as active judge advocate officer of the Korean Navy.

Hyun is presently vice chairman of the Federation of Korean Industries (FKI) and chairman of FKI's Committee on Economic Policy. In addition, he is chairman of the Youth Hope Foundation; a member of the Trilateral Commission's Pacific Asia Group; a member of the Prudential Asian Advisory Board, Prudential Financial Inc.; and a member of the Seoul Bar Association. From 1996 to 2008, he served as a member of the Asia-Pacific Economic Cooperation (APEC) Business Advisory Council (ABAC) Korean Delegation. In 2005, he was appointed chairman of ABAC when South Korea was the host economy for APEC. That same year he chaired the APEC CEO Summit. Besides his APEC and ABAC commitments, he also served as a member of the Korean Government's Planning and Budget Commission.

Hyun received his bachelor's and master's degrees in law from the Seoul National University. He earned his MBA from the Stanford Graduate School of Business in 1981.



**Ken-ichi Imai** is an internationally recognized expert on the economics and management of the firm, industrial organization, and the economics of technological change and innovation. After receiving his PhD from Hitotsubashi University, Imai went on to become an assistant professor, full professor and, eventually, dean of the Graduate School of Business at Hitotsubashi.

In September 1991, he assumed the role of director of research at the Stanford Japan Center (SJC), stepping down in 2001. In 1991, he was also named a senior fellow of Stanford's Institute for International Studies and a professor, by courtesy, of Stanford's department of economics. In December 1991, he became chair of the Stanford Japan Center Foundation Board.

Imai has been influential in both Japanese and international policymaking. In Japan, he has been actively involved in the development of national industrial policy at the level of MITI's Industrial Structure Consultative Council. Abroad, as a member of the

drafting committee for the Technology, Economy and Policy Project of the Organisation for Economic Cooperation and Development, he has participated in discussions on the rules of conduct for multinational enterprises and global industry.

Imai has published widely in Japanese and English, and many of his books and papers have received prizes in Japan. His books *The Industrial Organization of Japan's Energy Sector* (in Japanese) and *Modern Industrial Organization* (in Japanese) were awarded the Economist Prize and the Nikkei Prize for Excellent Books in Economic Science, respectively. In addition, the Japanese government awarded its Prize for Social Science Research in Telecommunications to his book *Industrial Society: The Process of its Evolution and Change* (in Japanese). His *Information Network Society* (in Japanese) became a "long-seller" in Japan in 1984.

As director of SJC, Imai actively promoted collaborative research between the United States and Japan. For this purpose, he organized and hosted a number of international forums, including: "A New Techno-Economic Paradigm for the 21st Century;" "The Age of New Engineering;" "Sensors, Information and Global Ecosystems;" "The Roles of Government in Economic Development: Analysis of East Asian Experiences" (sponsored by the World Bank); and the "Future of the Computer Industry." In spring 1995, the Crown Prince of Japan awarded Imai the government's Purple Ribbon for his cumulative academic and social contributions.



**Hisayoshi Ina** is a foreign policy columnist and the vice chair of the editorial board of the Nihon Keizai Shimbun (Nikkei Newspapers) in Tokyo. As a diplomatic and security writer, he writes columns and editorials. He received the 1998 Vaughn-Uyeda Memorial Prize (the Japanese version of the Pulitzer Prize) for outstanding news-gathering and analysis in international affairs.

His journalistic career includes four years in the *Nikkei Shimbun's* Washington D.C. bureau as chief political correspondent and, subsequently, as a fellow at the Foreign Policy Institute of the Paul H. Nitze School of Advanced International Studies (SAIS). Ina also lectures on media and international relations at the Graduate School of Doshisha University, Aoyama Gakuin University, and at the University of the Sacred Heart, all in Tokyo.



**Asclepias R. S. Indriyanto** has been the executive director of the Indonesian Institute for Energy Economics (IIEE) since 2003. She leads the IIEE team in various policy research activities and the production of *Indonesian Energy Economics Review*. In the past years IIEE has focused its research in energy security and various related areas including renewable energy development. From 2006 to 2009 she was an energy expert for the Board of Commissaries of PT PLN (Persero), the state-owned electricity utility company. She is now a member of the Oil and Gas Production Improvement Monitoring Team, directly reporting to the Minister of Energy and Mineral Resources. She holds both PhD and MA degrees in economics from the University of Hawaii at Manoa, and a bachelor's degree in mathematics from the Bandung Institute of Technology in Indonesia.

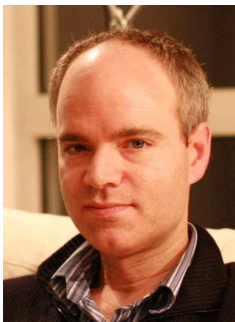


**Makoto Iokibe** is president of the National Defense Academy of Japan and a professor at Kobe University. A historian specializing in twentieth-century U.S.-Japan relations, he has been a visiting professor at Harvard and Tokyo Universities, and a visiting fellow at the University of London and at Harvard University. He is the author of several books on U.S.-Japan relations, including *Nichi-Bei Kankei-shi* (A History of Japanese-American Relations: From Perry to the Present [2008]). Iokibe has also served as an advisor to the prime minister and as president of the Japan Political Science Association.



**Jiang Kejun** is director of the Energy System Analysis and Market Analysis Research Center in the Energy Research Institute of the State Development and Reform Commission, China. He studied at Dalian University of Technology and Tokyo Institute of Technology, where he earned his PhD in social engineering.

Jiang has led research projects on energy tax, carbon controls, and climate change, and also has carried out sectoral analysis of energy production in China. He has written extensively on China's energy policy and on technology innovation in the energy sector.



**Joseph Kahn** became the deputy foreign editor of the *New York Times* in early 2008. Prior to that he was the Beijing bureau chief for the newspaper. He has also reported on international economic issues in the *Times'* Washington bureau, and covered Wall Street based in New York.

Kahn joined the *Times* in January 1998. Before that he spent four years as a China correspondent for the *Wall Street Journal*. He also worked for the *Dallas Morning News* as a city desk reporter and foreign correspondent.

Born in Boston in 1964, Kahn graduated from Harvard College in 1987, with a *cum laude* degree in American history. In 1990, he received a master's degree in East Asian studies from the Harvard Graduate School of Arts and Sciences.

Kahn was part of a team of reporters at the *Dallas Morning News* that was awarded the Pulitzer Prize for International Reporting in 1994 for stories on violence against women around the world. He and his Beijing-based colleague, Jim Yardley, won a Pulitzer Prize for International Reporting in 2006 for their coverage of China's evolving legal system. He has received a number of other prizes, including an Overseas Press Club award and the Grantham Prize for "Choking on Growth," a series of stories on China's environmental problems.





**Yasunori Kaneko** is managing director of Skyline Ventures. Founded in 1997, the venture capital firm specializes in investing in product-focused health care companies.

Kaneko has been involved in managing and financing U.S. life sciences companies since 1981. He began his career at Genentech, where he spearheaded its business development activities for the first several years. He was then project leader for the launch of Protropin (human growth hormone), the first product marketed by Genentech.

In 1987, he became head of corporate finance in the investment banking division of Paribas Capital Markets Ltd., in Tokyo, where he helped finance Japanese government agencies, municipalities, and corporations in the Euromarket. He also helped numerous life sciences companies raise capital. In 1991, he then became senior vice president and CFO of Isis Pharmaceuticals in San Diego, which went public during his tenure. In 1992, Kaneko was recruited to be the original business executive at Tularik Inc., where at various times he was CFO and vice president of business development until its public offering in 1999. At Tularik, he led a series of financings and negotiations of numerous corporate partnerships. Tularik was acquired by Amgen in 2004. He served on the board of LeukoSite until its merger with Millennium Pharmaceuticals in 1999.

He received an undergraduate degree from Keio University in Tokyo, a medical degree from Keio University School of Medicine, and an MBA from the Stanford Graduate School of Business.

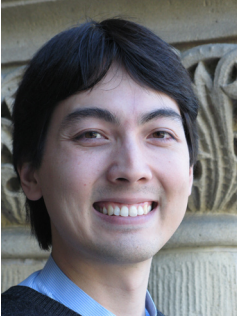
Kaneko serves on the advisory board of FSI at Stanford University and the board of trustees of Lick-Wilmerding High School in San Francisco. He also serves on the board of directors of Miraca Holdings, listed on the Tokyo Stock Exchange.



**Yoichi Kaya** serves as a member of the Registers Council of Development Bank of Japan. He also serves as a director-general for the Research Institute of Innovative Technology for the Earth (RITE), having worked previously as assistant director. He has been a corporate auditor of the Toyota Motor Corporation since June 2003.

Kaya earned bachelor's, master's, and PhD degrees in electrical engineering from the University of Tokyo. He began teaching at the University of Tokyo soon after receiving his PhD and served on the faculty for many years. Kaya is currently a professor at Keio University, in addition to his other corporate and research activities.

Kaya served as president of the Institute of Electrical Engineers of Japan (1993–1994) and of the Japan Association of Energy and Resources (1997–2000). He has received a number of academic and publication awards for his wide-ranging professional work.



A specialist on East Asian political economy and international relations, **Phillip Lipsky** is a center fellow at FSI and an assistant professor of political science at Stanford University. His fields of research include Japanese politics, U.S.-Japan relations, international and comparative political economy, international security, and regional cooperation in East and Southeast Asia.

Lipsky is an expert on bargaining over unbalanced representation in international organizations such as the United Nations Security Council, the International Monetary Fund, and the World Bank. His existing work addresses a wide range of topics such as the use of secrecy in international policymaking, the effect of domestic politics on trade, and Japanese responses to the Asian Financial Crisis. His most recent research examines the political and economic factors that facilitate energy efficient policymaking.

Lipsky obtained his PhD in political science at Harvard University. He received his MA in international policy studies and BA in economics and political science at Stanford University. Lipsky has been affiliated with the Reischauer Institute of Japanese Studies and Weatherhead Center for International Affairs at Harvard University, the Institute for Global and International Studies at the George Washington University, the RAND Corporation, and the Institute for International Policy Studies in Tokyo.



**Makio Miyagawa** is the deputy director-general for global affairs of the Ministry of Foreign Affairs, Japan. He previously served as the acting director of the Japan Institute of International Affairs (JIIA).

Miyagawa received his DPhil in philosophy from Oxford University in 1989. He held successive overseas positions in the Ministry of Foreign Affairs, including political secretary at the Japanese Embassy in the United Kingdom, legal officer in the Policy Coordination Division, deputy director of the 2nd North American Division, and deputy director at Russian Division. He was also assigned to the Counsellor for the Embassy of Japan in Kuala Lumpur and Counsellor for the Japanese Mission in Geneva. In 1999 he returned to Japan to serve as the director of the Developing Economies Division at the Foreign Ministry, and was then assigned to the director of the Regional Policy Division (Asia and Oceania Affairs Bureau) from 2002 to 2004.

Miyagawa has lectured on international relations and international law as a visiting professor at the National Graduate Institute for Policy Studies and at the University of Tokyo. He has also published numerous books and articles on regional security and economic affairs both in Japanese and English.



**Katsuhiko Nakagawa** was born in 1942 in Fukuoka, Japan. After obtaining a degree in law from the University of Tokyo in 1965 he embarked upon a career at the Ministry of International Trade and Industry (MITI), now known as the Ministry of Economy, Trade and Industry (METI).

Nakagawa's career at the ministry included two years at Harvard University, where he earned a master's degree in public administration at the John F. Kennedy School of Government, three years as a representative of the Japan External Trade Organization (JETRO) in New York, and extensive experience in setting and implementing ministry policy. In 1997, he became vice minister for International Affairs at MITI. In 1998, he retired from that post to become an advisor to the Tokio Marine & Fire Insurance Co., Ltd. and also a chairman of Tokio Marine Capital.

In June 2001, Nakagawa was named to Toyota Motor Corporation (TMC)'s Board of Directors as a managing director. He became a senior managing director in 2002, an executive vice president in June 2003, and a vice chairman in June 2004. In June 2009, he retired from TMC and became a chairman of the Institute for International Economic Studies (a subsidiary of TMC), and senior adviser to the Board of Toyota Motor Corporation.



**Madame Ton Nu Thi Ninh** currently presides over the creation of Tri Viet International University in Viet Nam. This university seeks to be innovative in the context of a Viet Nam in transition: a private entity dedicated to public service, strongly rooted in Vietnamese identity but boldly open to the world. Madame Ninh's leadership in her present endeavor draws from her first calling as a scholar and academic, particularly when she taught English language and literature at Paris University III (1969–1972) and Saigon/Ho Chi Minh City Teachers' Training College (1972–1979).

Subsequently Madame Ninh served for more than two decades as a diplomat, specializing in multilateral institutions (United Nations, Non-Aligned Movement, Francophonie, ASEAN) and global issues (international peace and security, development, environment, governance, and human rights). She was responsible for key international efforts on behalf of Viet Nam, such as the Summit of French-Speaking Countries in 1997 in Ha Noi. From 2000 to 2003, Madame Ninh was Viet Nam's Ambassador to Belgium, Luxembourg, and Head of Mission to the European Union in Brussels.

In 2002 Ambassador Ninh was elected to the 11th National Assembly of Viet Nam (2002–2007), where she represented the Southern province of Ba Ria–Vung Tau. In her position as vice chair of the Foreign Affairs Committee she developed and enhanced Viet Nam's relations with the countries of North America (particularly the United States) and Western Europe, often representing Viet Nam in international conferences among world leaders to discuss issues with global implications.

Madame Ninh was educated in France at the Sorbonne and Ecole Normale Superieure de Fontenay-aux-Roses where she obtained her Agregation, and in the United Kingdom at Cambridge University. Born into a traditional family of Central Viet Nam, she developed her political commitment to the National Liberation Front for South Viet Nam early on, during her student days in Paris. Since then she has been consistently active in social

issues, with a special interest on gender. She served a term on the Central Executive Committee of the Viet Nam Women's Union and, since August 2007, has chaired the "Global Vietnamese Women Network," her own women's NGO linking up internationally active women within and outside the country. She has also been involved in efforts to address the legacy of Agent Orange/Dioxin in Viet Nam, serving from January 2007 to July 2008 as Co-Chair of the US-Viet Nam Dialogue Group on Agent Orange/Dioxin.

Through her frequent interaction with the public and the media, Madame Ninh is known as one of the public figures having the most impact on Vietnamese young people today.



**Euston Quah** is head of economics and acting chair of the School of Humanities and Social Sciences at the Nanyang Technological University. Prior to this, he was vice dean of the Faculty of Arts and Social Sciences at the National University of Singapore (NUS); deputy director of the Public Policy Programme (now called the Lee Kuan Yew School of Public Policy); and founding director of the Singapore Centre for Applied and Policy Economics (SCAPE). He also headed the economics department at the NUS.

Quah is a prolific writer with more than 40 peer-reviewed publications in well-known international journals, including *World Development*, *Applied Economics*, *Environment and Planning*, *Journal of Environmental Management*, *International Review of Law and Economics*, *Journal of Economics*, *Journal of Public Economic Theory*, and *American Journal of Economics and Sociology*. He has also written or cowritten a number of books, including *Cost-Benefit Analysis*, *Siting Environmentally Unwanted Facilities*, and *Economics and Home Production*. In 2008, he published a textbook, *Principles of Economics*, with Gregory Mankiw.

Quah serves as editor of the *Singapore Economic Review* and coeditor of *International Gambling Studies* (edited at Australian National University). He is the past associate editor of the *Asian Economic Journal* (edited at Chinese University of Hong Kong). He has served on the Board of Trustees of the Institute of Southeast Asian Studies and on the editorial board of the *Journal of Korea Trade*. Currently, Quah is an adjunct senior research fellow of the Institute of Policy Studies, and the president of the Economic Society of Singapore. He also sits on the editorial board of the *ASEAN Economic Bulletin* (edited at ISEAS), and the *Open Law Journal* (Bentham Science UK).

In 2004, one of Quah's books was selected for inclusion by the International Library of Critical Writings in Economics, for works deemed influential on the subject of inquiry. Quah's work has also been reviewed favorably by prestigious journals such as the *Journal of Economic Literature*, and the *Economic Journal*. In addition, Quah published some of the first Singapore studies relating to the environment, notably the first cost of air pollution study of Singapore, and the first study in the world on Southeast Asia's transboundary haze problem. He is also the author of the first study on the social cost of smoking in Singapore.

Quah advises many government ministries on the environment and regularly contributes to cost-benefit studies on key public projects. His views appear frequently in the popular press and in both Southeast Asian (such as *Straits Times*, *TODAY*, and *Singapore Business*) and foreign media (such as the British Broadcasting Corporation, Channel News Asia, Radio Denmark, Reuters), and major newspapers in Taiwan, Thailand, Malaysia, Indonesia, and France.



**Henry S. Rowen** is a senior fellow at the Hoover Institution, a professor of Public Policy and Management emeritus at Stanford University's Graduate School of Business, and director emeritus of Shorenstein APARC. Rowen is an expert on international security, economic development, and high-tech industries in the U.S. and Asia. His current research focuses on the rise of Asia in high technologies.

From 2004 to 2005, Rowen served on the Presidential Commission on the Intelligence of the United States Regarding Weapons of Mass Destruction. From 2001 to 2004, he served on the Secretary of Defense Policy Advisory Board. Rowen was Assistant Secretary of Defense for International Security Affairs in the U.S. Department of Defense from 1989 to 1991. He was also chairman of the National Intelligence Council from 1981 to 1983. Rowen served as president of the RAND Corporation from 1967 to 1972 and was assistant director, U.S. Bureau of the Budget, from 1965 to 1966.

Rowen's most recent work is as coeditor of *Greater China's Quest for Innovation* (2008). He also coedited *Making IT: The Rise of Asia in High Tech* (2006) and *The Silicon Valley Edge: A Habitat for Innovation and Entrepreneurship* (2000). Other books include *Prospects for Peace in South Asia* (edited with Rafiq Dossani) and *Behind East Asian Growth: The Political and Social Foundations of Prosperity* (1998). Among his articles are "The Short March: China's Road to Democracy," *National Interest* (1996); "Inchon in the Desert: My Rejected Plan," *National Interest* (1995); "The Tide underneath the 'Third Wave,'" *Journal of Democracy* (1995).

Born in Boston in 1925, Rowen earned a bachelor's degree in industrial management from MIT in 1949 and a master's in economics from Oxford University in 1955.



**Benjamin Self** is the inaugural Takahashi Fellow in Japanese Studies at Shorenstein APARC. Prior to joining the center in September 2008, Self was at the Henry L. Stimson Center as a senior associate working on Japanese security policy. While at the Stimson Center, he directed projects on Japan-China relations, fostering security cooperation between the U.S.-Japan alliance and the PRC, Japan's nuclear option, and confidence-building measures. Self has also carried out research and writing in areas such as nuclear nonproliferation and disarmament, ballistic missile defense, Taiwan's security, Northeast Asian security dynamics, the domestic politics of Japanese defense

policy, and Japan's global security role.

From 2003 until 2008, Self lived in Africa—in Malawi and Tanzania—and is now studying the role of Japan in Africa, including in humanitarian relief, economic development, conflict prevention, and resource extraction.

Self earned his undergraduate degree in political science from Stanford in 1988, and an MA in Japan studies and international economics from the Paul H. Nitze School of Advanced International Studies at Johns Hopkins University. While there, he was a Reischauer Center Summer Intern at the Research Institute for Peace and Security (RIPS) in Tokyo. He later worked in the Asia Program at the Woodrow Wilson International Center for Scholars, and was a visiting research fellow at Keio University on a Fulbright grant from 1996 until 1998.



**Gi-Wook Shin** is the director of Shorenstein APARC; the Tong Yang, Korea Foundation, and Korea Stanford Alumni Chair of Korean Studies; the founding director of the Korean Studies Program; senior fellow at FSI; and professor of sociology, all at Stanford University. As a historical-comparative and political sociologist, his research has concentrated on areas of social movements, nationalism, development, and international relations. Shin has served as editor of the *Journal of Korean Studies*, a premier journal in the field of Korean studies.

Shin is the author/editor of many books and articles, including: *Cross Currents: Regionalism and Nationalism in Northeast Asia* (2007); *Rethinking Historical Injustice and Reconciliation in Northeast Asia* (2006); *Ethnic Nationalism in Korea: Genealogy, Politics and Legacy* (2006); *North Korea: 2005 and Beyond* (2006); *Contentious Kwangju* (2004); *Colonial Modernity in Korea* (1999); and *Peasant Protest and Social Change in Colonial Korea* (1996). His articles have appeared in academic journals including the *American Journal of Sociology*, *Nations and Nationalism*, *Comparative Studies in Society and History*, *International Sociology*, *Asian Survey*, and *Asian Perspectives*.

Shin has just completed a new book titled *One Alliance, Two Lenses: U.S.-Korea Relations in a New Era* (Stanford University Press, 2009). It is based on analyses of more than eight thousand newspaper articles published in the United States and South Korean media from 1992 to 2004. He is editing two more books with his colleagues, respectively titled *Divided Memories and Reconciliation in Northeast Asia* and *From Democracy to Civil Society in Korea*. He is also engaged in a project addressing historical injustice and reconciliation in Northeast Asia with a particular focus on the U.S. responsibility and role in resolving the history question in that region.

Shin is not only the recipient of numerous grants and fellowships but has also actively raised funds for Korean/Asian studies at Stanford. He gives frequent lectures and seminars on topics ranging from Korean nationalism and politics to Korea's foreign relations and the plight and history of Korean Americans. He writes op-eds in both Korean and American newspapers and serves on councils and advisory boards in the United States and South Korea.

Before coming to Stanford, Shin taught at the University of Iowa and the University of California–Los Angeles. After receiving his BA from Yonsei University in Korea, he was awarded his MA and PhD from the University of Washington.



**Daniel Sneider** is the associate director for research at Shorenstein APARC. He currently directs the center's research on nationalism and regionalism and the Divided Memories and Reconciliation project, a three-year comparative study of the formation of historical memory in East Asia. His own research is focused on current U.S. foreign and national security policy in Asia, including work on a diplomatic history of the building of the United States' Cold War alliances in Northeast Asia.

Sneider was a long-time foreign correspondent and most recently served as the foreign affairs columnist of the *San Jose Mercury News*. His twice-weekly column looking at international issues and national security from a West Coast perspective was syndicated nationally on the Knight Ridder Tribune wire service.

Previously, Sneider served as national/foreign editor of the *San Jose Mercury News*. From 1990 to 1994, he was the Moscow Bureau Chief of the *Christian Science Monitor*, covering the end of Soviet Communism and the collapse of the Soviet Union. From 1985 to 1990, he was Tokyo Correspondent for the *Monitor*, covering Japan and Korea. Prior to that he was a correspondent in India, covering South and Southeast Asia. He also wrote widely on defense issues, including as a contributor and correspondent for *Defense News*, the national defense weekly.

Sneider's writings have appeared in many publications, including the *Washington Post*, the *New York Times*, the *New Republic*, *National Review*, the *Far Eastern Economic Review*, the *Oriental Economist*, *Newsweek*, *Time*, the *International Herald Tribune*, the *Financial Times*, and *Yale Global*. He is the coeditor of *Cross Currents: Regionalism and Nationalism in Northeast Asia* (2007), and coeditor of *First Drafts of Korea: The U.S. Media and Perceptions of the Last Cold War Frontier* (2009), as well as a forthcoming volume on regionalism in South Asia. He has also contributed to other volumes including "Strategic Abandonment: Alliance Relations in Northeast Asia in the Post-Iraq Era" in *Towards Sustainable Economic and Security Relations in East Asia: U.S. and ROK Policy Options* (Korea Economic Institute, 2008).

Sneider has a BA from Columbia University in East Asian history and a master's in public administration from the John F. Kennedy School of Government at Harvard University.



**James Sweeney** is director of the Precourt Institute for Energy Efficiency; professor of management science and engineering; senior fellow at the Stanford Institute for Economic Policy Research; senior fellow at the Hoover Institution; and senior fellow at FSI. His professional activities focus on economic policy and analysis, particularly in energy, natural resources, and the environment.

At Stanford, Sweeney has served as chairman of the Department of Engineering-Economic Systems, chairman of the Department of Engineering-Economic Systems and Operations Research, director of the Energy Modeling Forum, chairman of the Institute for Energy Studies, and director of the Center for Economic Policy Research (now the Stanford Institute for Economic Policy Research). In the early 1970s he directed the Office of Energy Systems Modeling and Forecasting of the U.S. Federal Energy Administration. He was a founding member of the International Association for Energy Economics, coeditor of the journal *Resource and Energy Economics*, and vice president for publications of the International Association for Energy Economics. He is a senior fellow of the U.S. Association for Energy Economics and a fellow of the California Council on Science and Technology. He is on the National Advisory Council of the National Renewable Energy Laboratory and a member of Governor Arnold Schwarzenegger's Council of Economic Advisors.

Sweeney holds a BS degree from MIT in electrical engineering and a PhD from Stanford University in Engineering-Economic Systems.



**John Weyant** came to Stanford in 1977, primarily to help develop the Energy Modeling Forum. He was formerly a senior research associate in the Department of Operations Research, a member of the Stanford International Energy Project, and a fellow in the U.S.-Northeast Asia Forum on International Policy. He is currently an advisor to the U.S. Department of Energy, Pacific Gas & Electric Company, and the U.S. Environmental Protection Agency.

His current research focuses on global climate change, energy security, corporate strategy analysis, and Japanese energy policy. He is on the editorial boards of the *Energy Journal* and *Petroleum*

*Management*. His national society memberships include the American Economics Association, Association for Public Policy Analysis and Management, Econometric Society, International Association of Energy Economists, Mathematical Programming Society, ORSA, and TIMS.

Weyant holds BS and MS degrees in aeronautics, engineering, and astronautics from Rensselaer Polytechnic Institute; an MS in operations research and statistics, also from Rensselaer; and a PhD in management science from the University of California–Berkeley. He also served as a postdoctoral fellow at Harvard University.



**Lan Xue** is a professor and dean of the School of Public Policy and Management, executive vice president of the Development Research Academy for the 21st Century, and director of the Center for Industrial Development and Environmental Governance (CIDEG), all at Tsinghua University. He is also an adjunct professor at Carnegie Mellon University and a fellow of the IC2 Institute at the University of Texas–Austin. His teaching and research interests include public policy analysis and management, science and technology policy, and crisis management. He has published widely in these areas and serves on the editorial board or advisory

board of several international academic journals.

Xue currently serves as a member of the Expert Committee on Emergency Management of the State Council of China, vice president of the China Association of Public Administration, vice president of the Chinese Association of Science of Science and S&T Policy, vice chairman of the National Steering Committee for MPA Education, and a member of the Policy Committee on Developing Countries, International Council for Science Unions (ICSU). Xue is also a member of the Visiting Committee for the John F. Kennedy School of Government at Harvard University, a member of the International Advisory Board of UNU-MERIT, a member of the governing board of the International Development Research Center (IDRC), and a member of the International Advisory Board of APEC Technology Foresight Center. In addition, Xue sits on the advisory board of many government agencies in China and was invited to give a lecture to the top Chinese leadership on the issue of S&T Policy in April 2003.

Trained as an engineer, Xue holds two master's degrees, in technological systems management and public administration, from State University of New York–Stony Brook. He holds a PhD in engineering and public policy from Carnegie Mellon University and was an assistant professor of engineering administration and international affairs at



the George Washington University before returning to China in 1996. Xue received the National Distinguished Young Scientist Award of China and was awarded the Cheung Kong Chaired Professorship in 2009.



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