

March, 1, 2019

## Personal History

### Mitsutsune YAMAGUCHI

Special Advisor, Research Institute of Innovative Technology for the Earth

Distinguished Fellow, The Institute of Energy Economics, Japan

**Date of birth:** December 15, 1939

**Nationality:** Japanese

**Education:** B.A. in Economics, Keio University, Tokyo, Japan, 1962

**Employment record:**

2015- Distinguished Fellow, The Institute of Energy Economics, Japan

2012- Special Advisor, Research Institute of Innovative Technology for  
the Earth

2013-2015 Visiting Professor, KOMEX, The University of Tokyo

2007-2013 Project Professor, RCAST, The University of Tokyo

2006-2007 Visiting Professor, RCAST, The University of Tokyo

2005-2007 Lecturer, Faculty of Economics, Keio University

2005-2006 Professor of Economics, Teikyo University

2002-2009 Visiting Professor, the University of the Air,

1999-2000 Lecturer, Sophia University, Faculty of Law,

1996-2004 Professor of Economics, Keio University,

1962-1996 Tokio Marine & Fire Insurance Co., Ltd,

(Last position at the time of retirement: Senior General Manager)

**Publications:**

– books –

A view from Japan, Co-authored with Akimoto, K., Chapter 8 in

Towards a Workable and Effective Climate Regime e-book, Barrett, S., Carraro, C., Melo,  
J. (ed.), November 2015

Climate Change 2014, Mitigation of Climate Change, Working Group III Contribution to  
the Fourth Assessment Report of the Intergovernmental Panel on Climate Change,  
Cambridge University Press, 2014 (As one of lead authors of chapter 1, Introduction)

Climate Change Mitigation, A Balanced Approach to Climate Change, Springer  
London, 2012 (Editor, Co-author)

Environmental Management, School of Graduate Studies, the University of the Air,

2006

Climate Change 2007, Mitigation of Climate Change, Working Group III Contribution to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change, Cambridge University Press, 2007 (As one of lead authors of chapter 1, Introduction)

Climate Change 2001, Mitigation, Contribution of Working Group III to the Third Assessment Report of the Intergovernmental Panel on Climate Change, Cambridge University Press, 2001 (As one of lead authors of chapter 6, Policies, Measures, and Instruments)

Global Environmental Issues and Firms, Iwanami publishing Company, 2000

Environmental Risks and Environmental Laws (U.S.A.), Yuhikaku Publishing Company, 1997 (Editor and one of co-authors)

Environmental Risks and Environmental Laws (European and International Issues), Yuhikaku Publishing Company, 1996 (Editor and one of co-authors)

Corporate Management under current global environmental situation, Yuhikaku Publishing Company, 1991, Co-authored with F. Cairncross

– papers –

“Towards net zero CO<sub>2</sub> emissions without relying on massive carbon dioxide removal”, Sustainability Science, (accepted), Co-authored with Dr. Y. Kaya, Dr. O. Geden

“Prove Paris was more than paper promises”, Nature 548, pp25-27, 3 August 2017, Co-authored with Dr. D. G.Victor, Dr. Y. Kaya, Dr. K. Akimoto

“The uncertainty of climate sensitivity and its implication for the Paris negotiation”, Sustainability Science pp1-4 Sep 23, 2015, Co-authored with Dr.Y. Kaya, Dr. K. Akimoto

“Accelerating the transfer and diffusion of energy saving technologies, steel sectorexperience—Lessons learned”, Energy Policy 39 (2011), pp.1296-1304, Co-authored with Dr. T. Okazaki

“Japan’s diplomacy and policy on climate change”, International Affairs, The Japan Institute of International Affairs, No. 572, June 2008 pp. 22-32

“A proposal for the Post Kyoto Framework”, Keio Economic Studies, The Keio Economic Society, Vol. 43, No. 1, December 2006 pp. 85-112

“Climate policy objective without consensus and long term strategy”, International

Affairs, The Japan Institute of International Affairs, No. 552, June 2006 pp. 19-31

"CDM potential in the power generation and energy intensive industries in China– a technology-based bottom up study" *Climate Policy*, Vol. 5, No. 2, 2005, pp. 167-184  
"Implementing the Kyoto Protocol Commitment and their impacts on Free Trade" *Keio Economic Studies* Vol. 41 No. 1 (2004) pp. 37-57

"Effectiveness of Voluntary Agreements in tackling with climate change", *Mita Gakkai Zasshi (Mita Journal of Economics)*, The Keio Economic Society, Vol. 96, Issue 2, July 2003 pp. 19-47

"International Situation on Clean Development Mechanism and Japan's Strategy" *Mita Gakkai Zasshi (Mita Journal of Economics)*, Vol. 95, No. 2, The Keio Economic Society, July 2002 pp.115-146

"OECD Guidance Manual on EPR (Extended Producer Responsibility) – Introductory notes and comments" Vol. 94, No. 1, *Mita Gakkai Zasshi (Mita Journal of Economics)*, The Keio Economic Society, April 2001 pp.135-155

"Toward an Early Implimentation of the Clean Development Mechanism - a possibility of Japan-China Cooperation in the field of Climate Change" Vol. 93, No. 2 *Mita Gakkai Zasshi (Mita Journal of Economics)*, The Keio Economic Society, July 2000 (Co- authored with Mr. S. Takeda) pp.81-98

"International Framework toward Mitigating Climate Change" Vol. 21 No. 2 *Energy and Resources*, Japan Society of Energy and Resources, March 2000 pp. 18-23

"Japanese Waste Management Policy and Extended Producer Responsibility – Focusing on discussions at OECD" Vol. 92, No. 2 *Mita Gakkai Zasshi (Mita Journal of Economics)*, The Keio Economic Society, July 1999 pp.126-147

And many others

– **papers presented at the annual conference of the society for Environmental Economics and Policy Studies of Japan** –

"A Proposal for climate change strategies up to and after 2030 from short and mid-long term perspectives", (2018)

“Distinguishing feature of Japanese climate policy planning process and the proposal for its improvement”, (2017)

“Lowering climate sensitivity and its effect to Paris agreement”, (2015)

“Electricity Market Reform in UK and its implication on Japan’s Renewable Policy”, (2014)

“Towards Efficient Redesigning of Japan’s FIT scheme on Renewable Energy”, (2013)

“Feasibility of 2°C Target and future strategy”, (2012)

“Fukushima Nuclear Accident and its impact on Climate Policy of Japan”, (2011)

And many others since 1998

**Activities in civil, public or international**

**– International –**

Lead author of Third, Fourth and Fifth Assessment Report of Intergovernmental Panel for Climate Change (IPCC)

Head of Japanese delegation to the OECD Joint Working Party on Trade and Environment

Head of Japanese delegation of ISO TC-207 (Environmental Management) Subcommittee 3 (environmental labeling) as well as Working Group 5 (climate change) (2002-2008)

**– public –**

Chairman, “Domestic committee on IPCC 5<sup>th</sup> assessment report (WG3)” Japanese government (2012--)

Member of “Study group on a new international regime on climate change” (2012-2013)

Member of “Task Force on Japan’s Mid-Term reduction targets,” Cabinet Office (2009-2010)

Member of “Policy and Measures Subcommittee”, Cabinet Office (2008)

Member of “Study Group of Economic Instruments”, Ministry of Economy, Trade and Industry (2008-2013)

Member of “Global Environmental Subcommittee”, Ministry of Economy, Trade and Industry (2004-2013)

Member of “Expert Committee on Future Framework” Ministry of Economy, Trade and Industry (2004-2009)

Member of “Expert panel on the Kyoto Mechanisms”, Ministry of Economy, Trade and Industry (2002-2013)

Member of “Kyoto Mechanism promotion committee”, Ministry of Environment (2002-2013)

Deputy Chairman, “Sub-committee on Industry and Environment”, Ministry of Economy, Trade and Industry (2002-2004)

Chairman, “Coordination Committee of four government-affiliated organizations to promote climate change mitigation measures”, Japan International Cooperation Agency (2001-2002)

– **civil** –

Chairman, “Third-party assessment committee of voluntary initiative on climate change”, Keidanren (2002 - 2005)

Chairman, “Research Committee on the risks associated to project-based mechanisms”, Global Industrial and Social Progress Research Institute/ Ministry of Economy, Trade and Industry (2004-2013)

Chairman, “Research Committee on development countries participation”, Global Industrial and Social Progress Research Institute/ Ministry of Economy, Trade and Industry (2004-2013)

Member of “Research Committee on evaluation of firms’ environmental performance”, Global Industrial and Social Progress Research Institute/ Ministry of Economy, Trade and Industry (2002-2013)

And many others

–**presentation at international workshop etc.**–

“Economics of Climate Change, Toward a success of Paris conference”, A presentation at the Asia-Europe Economic Forum, Oct 2, 2015

“Innovation (in broader sense) is the key to cope with Climate Change”, A presentation at ICEF (Innovation for Cool Earth Forum) 1<sup>st</sup> International conference, Oct. 8, 2014

“Negotiations at UNFCCC: Discussions over the 2-Degree Target”, A presentation at the Asian Development Bank Institute, July 7, 2014

“Pledge and Review for Post Kyoto Framework – its feasibility and effectiveness”, A presentation at the Annual Conference of the Environmental and Economic Academic Society of Japan, at Osaka University, Japan, September 27-28, 2008

“Balanced Approach to Climate Change – A Proposal for Effective Framework”, A presentation at the International Conference held in Tokyo during June 30 and July 1, 2008

“Japan’s implementation plan of the Kyoto protocol target and the proposal for the future international framework”, A presentation at the National Press Club, February 13, 2007

“Factors that affect innovation, deployment and diffusion of energy-efficient technologies, - Case studies of Japan and iron/steel industry, A presentation at the In-session Workshop on Mitigation at SBSTA22, May, 2005.

“Toward promotion of CDM activities in China, a study of CDM potential focusing on Electric Power Sectors and Energy-Intensive Industries” A paper submitted at the COP 9 side event, Milan, December 8, 2003

“Can Japan comply with the Kyoto Protocol Target? An analysis of Japanese Implementation Policies” A paper submitted to a Workshop on Global Warming and Canada: How should we cope with the Kyoto Protocol? Canada and Japan, University of British Columbia, Canada, January 31, 2003

"What can Japan do for Capacity Buildings in Countries with Economies in Transition?" -A paper submitted to the OECD Workshop on National Systems for Flexible Mechanisms: Implementation Issues in Countries with Economies in Transition, May 13-15, 2002, Szentendre, Hungary—

“On International Trade and the Extended Producer Responsibility” A paper presented to the OECD workshop on Extended Producer Responsibility, Helsinki May 11-13, 1998

—Others (Newspaper articles)—

“Agreeing a feasible and challenging target ” Nihon Keizai Shinbun (Nikkei Newspaper), April 3, 2015

“On IPCC 5<sup>th</sup> Assessment Report – Need to revisit 2 degree target”, Nihon Keizai Shinbun (Nikkei Newspaper), May 6, 2014

“Climate Change and Economy – Revision is necessary for FIT tariff for Solar Power”, Nihon Keizai Shinbun (Nikkei Newspaper), October 17, 2013

“Should revise Japan’s Mid-term target after the nuclear accident”, Mainichi Shinbun (Mainichi Newspaper), May 12, 2011

“The target should consider mutual supportiveness of economy and environment”, Sankei Shinbun (Sankei Newspaper), October 26, 2010

“Necessity to examine Environment Minister S. Ozawa’s tentative draft of Japan’s reduction target”, Yomiuri Shinbun (Yomiuri Newspaper), May 15, 2010

“Japan’s 25% reduction should not be the sole option”, Nihon Keizai Shinbun (Nikkei Newspaper), January 12, 2010

“On Japanese Mid-Term target, need to consider equity and cost”, Nihon Keizai Shinbun (Nikkei Newspaper), February 5, 2009

“Request to coming G8 Summit”, Sankei Shinbun (Sankei Newspaper), June 3, 2007

“Need to invite the United States and China into future climate framework”, Yomiuri Shinbun (Yomiuri Newspaper), April 30, 2007

“Comment le Japon entend renegocier le protocole de Kyoto”, Le Monde, February 6, 2007

“Long-term target is better for the next framework”, Nihon Keizai Shinbun (Nikkei Newspaper), October 30, 2006

“Paper compliance of the Kyoto target should be avoided, instead Japan should contribute toward global, long-term emission reduction”, Nihon Keizai Shinbun (Nikkei Newspaper), November 4, 2005

“Japan should propose mid-to-long term framework after Kyoto”, Nihon Keizai Shinbun (Nikkei Newspaper), October 28, 2004

“Need to think about new international framework now”, Nihon Keizai Shinbun (Nikkei Newspaper), November 19, 2003

“In search for a new scheme to cope with climate change”, Nihon Keizai Shinbun (Nikkei Newspaper), June 28, 2002

“Importance of notifying mitigation costs to general public”, Nihon Keizai Shinbun (Nikkei Newspaper), February 13, 2002

“Japan should try to avoid Kyoto Protocol re-negotiation”, Nihon Keizai Shinbun (Nikkei Newspaper), October 27, 2000

“Trade and Environment, -deepening gap-“, Nihon Keizai Shinbun (Nikkei Newspaper), May 3, 2000

“United States’ efforts for domestic mitigation is awaited”, Nihon Keizai Shinbun (Nikkei Newspaper), October 7, 1999

“Pay attention to OECD new waste policy”, Asahi Shinbun (Asahi Newspaper), April 1, 1999

“Emission Trading, - should introduce sellers’ liability”, Nihon Keizai Shinbun (Nikkei Newspaper), October 1, 1998

“On mutual supportiveness between trade and environmental labeling”, Asahi Shinbun (Asahi Newspaper), April 3, 1996

“New regime for free trade and the environment”, Asahi Shinbun (Asahi Newspaper), January 18, 1994

“Free trade scheme may suffer from excessive protectionism”, Nihon Keizai Shinbun (Nikkei Newspaper), June 22, 1993

And many others

**—Others (Series of articles)—**

“Global Warming”, series of articles regularly appear on the Japan Journal Magazine (in English) since January 2008

Examples: “The Paris Agreement: Climate Mission Sustainable?”, The Japan Journal May, 2016

“Making Plans for the Paris Climate Conference”, The Japan Journal March, 2015

“IPCC 5<sup>th</sup> Assessment Reports and their Impact on Future Negotiations”, The Japan Journal June, 2014

“Redesigning Japan’s Renewables Policy”, The Japan Journal May, 2014

“Nuclear Power: The Limits of Liability”, The Japan Journal October, 2012

“Global Warming - What should be the Japanese strategy? Serial publication on Nikkei Ecology Website since May 2007 until March 2011. (Total 43 subjects have been discussed)