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**MR. SEUNG JICK YOO**  
*CURRICULUM VITAE*

**PERSONAL DATA**

**Office Address:** Korea Energy Economics Institute  
665-1 Naeson-Dong, Euiwang-Si  
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**EDUCATION**

August 1990 ~ December 1995   Ph.D. in Economics (Environmental Economics)  
  Graduate School  
  University of California at Berkeley  
*Dissertation Title: Essays on Environmental Economics.*

March 1985 ~ February 1987    M.A. in Economics (International Economics)  
  Graduate School  
  Yonsei University  
*Dissertation Title: North-South Trade with Capital Movement*

March 1981 ~ February 1985    B.A. in Economics  
  Department of Economics  
  Yonsei University

**POSITIONS**

June 2003 ~ Present           **Senior Research Fellow,**  
  Korea Energy Economics Institute

February 2006 ~ February 2007 **Visiting Scholar,**  
Australian National University

October 2005 ~ February 2006 **Chief Advisor,**  
Presidential Committee on Northeast Asian Cooperative Initiative

October 2004 ~ October 2005 **Managing Director,**  
Center for Energy Research, Northeast Asia,  
Korea Energy Economics Institute

January 1996 ~ February 1999 **Research Economist**  
Department of Agricultural and Resource Economics  
University of California, Berkeley

## **RESEARCH AREAS**

National Energy Strategy and Policy, Climate Change Policy, Energy Security, Regional Energy cooperation, Cogeneration of Heat and Electricity, Energy Efficiency

## **ACADEMIC FIELDS**

Environmental and Energy Economics, Trade and Environment, Econometrics, Applied Microeconomic Theory

## **RESEARCH GRANTS**

July 1993 ~ June 1994      Giannini Foundation  
"California Climate & Tree Growth: Further In-Depth Investigation"  
Co- Principal participant with Brian D. Wright.

July 1992 ~ June 1993      Giannini Foundation  
"California Climate & Tree Growth: A Long-Term Analysis"  
Co-Principal participant with Brian D. Wright.

## TEACHING EXPERIENCES

- March 1999 ~ Present      Instructor  
Graduate School of Economics  
Yonsei University  
*World Economy, International Agreements on Environment*
- January 1995 ~ May 1995      Graduate Student Instructor  
Department of Economics  
University of California at Berkeley  
*Introductory Economics*
- August 1991 ~ December 1991      Graduate Student Instructor  
Department of Economics  
University of California at Berkeley  
*Econometrics*
- January 1991 ~ May 1991      Graduate Student Instructor  
Department of Economics  
University of California at Berkeley  
*Econometrics*
- March 1989 ~ June 1990      Instructor  
Department of Economics  
Yonsei University  
*Econometrics, Statistics, Principles of Economics*
- September 1989 ~ June 1990      Instructor  
Department of Economics  
Kukjei University  
*Microeconomics, Macroeconomics.*
- September 1989 ~ June 1990      Instructor  
Department of Economics  
Hansung University  
*Statistics.*

## PUBLICATIONS (ACADEMIC PAPERS)

"Specification and Estimation of the Transfer Function in Paleoclimatic Reconstructions," under revision. (with Brian D. Wright, Maximilian Auffhammer)

- "Household Use of Agricultural Chemicals for Soil-Pest Management and Own Labor for Yard Work, ***Environmental and Resource Economics***, forthcoming (Online publication 17 July, 2007 <http://dx.doi.org/10.1007/s10640-007-9142-3>) (with Scott R. Templeton, David Zilberman, Andrew Dablen)
- "A Stochastic Analysis of the Holling Resilience of An Orchard, ***Ecological Economics***, 64(1), 1-4, October 2007. (with Amitrajeet A. Batabyal)
- "Corruption, Bribery, and Wait Time in the Public Allocation of Goods in Developing Countries," ***Review of Development Economics***, 11(3), 507-517, August 2007. (with Amitrajeet A. Batabyal)
- "A Probabilistic Approach to Optimal Orchard Management, ***Ecological Economics***, 60(3), 483-6, January 2007. (with Amitrajeet A. Batabyal)
- "Some Statistical Properties of a Generic Container Inspection Policy in Invasive Species Management Ecological Economics," ***Ecological Economics***, 60(1), 1-4, November 2006. (with Amitrajeet A. Batabyal)
- "A Complete Characterization of Mean Wait Times for Citizens in the Non-preemptive Corruption Regime," ***Applied Economics Letters***, 13, 759-762, October 2006. (with Amitrajeet A. Batabyal)
- "Indivisibility and Divisibility in Land Development Over Time and Under Uncertainty," ***Journal of Environmental Management***, 76: 185-190, 2005. (with Amitrajeet A. Batabyal)
- "An aspect of Indivisible Land Development with a Reservation Level of Revenue," ***Stochastic Environmental Research & Risk Assessment***, 18(3): 216-218, June, 2004. (with Amitrajeet A. Batabyal)
- "Bid Values and their Role in Land Development Over Time and Under Uncertainty," ***Studies in Regional Science*** 33: 229-236, December, 2003 (with Amitrajeet A. Batabyal)
- "The Steady State Distribution of Animals in Short Duration Grazing," ***Applied Economics Letters***, 9(11):695-698, September, 2002 (with Amitrajeet A. Batabyal)
- "A Study of Optimal Management Contact," ***Environmental and Resource Economics Review***, 10(2):259-279, June, 2000 (in Korean, with Namyil Kim)
- "Persistence of Growth Variation in Tree-Ring Chronologies," ***Forest Science***, 46(4):507-520, November, 2000 (with Brian D. Wright)

“An Economic Analysis of Environmental Horticulture with a Focus on California,” *Hortscience*, 35(6), October, 2000, with (Scott Templeton, Cheryl Brown, George Goldman, Vijay Pradhan)

“Choice in the Rural Development Policies in San Francisco Bay Area Counties,” *Yonsei Economic Review*, 4(1):103-126. Spring, 1999

“An Economic Analysis of Yard Care and Synthetic Chemical Use: The Case of San Francisco,” *Environmental and Resource Economics*, 14(3):385-397, October, 1999 (with David Zilberman and Scott Templeton)

“An Economic Perspective on Outdoor Residential Pesticide Use,” *Environmental Science & Technology*, pp. 416-423, September, 1998 (with David Zilberman and Scott Templeton)

“Renewal Theory and Natural Resource Regulatory Policy under Uncertainty,” *Economics Letters*, 46: 237-241, December, 1994 (with Amitrajeet Batabyal)

## **SELECTED RESEARCH REPORTS AT KOREAN ENERGY ECONOMICS INSTITUTE**

Long Term GHG Forecast and GHG Mitigation Policies, 2007, (as a team leader)

An Analysis of International Carbon Market, 2007(as a team leader)

Optimal Storage Strategy of the Joint Oil Stock in Northeast Asia, 2005 , (as a team leader)

An Institutional Arrangement of the Free Trade Agreement on Energy Products and Services in Northeast Asia, on going, (as a team leader)

An Analysis of Relative Efficiency of the Energy-Environmental Policies in the Second Best Economy, December, 2004, (as a team leader)

An Econometric Analysis of Effect of the Policies for the Rational Use of Energy, Decemeber, 2004, (as a team leader)

3<sup>rd</sup> National Basic Plan for Rational Use of Energy (2005~2008), Aug 2004, (as a team leader)

A Study on the Comparative Advantage of Energy Industry in Northeast Asian Countries, August, 2003 (as a team leader)

A Guideline for Economic Assessment of Environmental Policies and Investment Projects, March, 2003 (as a participating researcher)

A Study on the Heat Tariff and Expansion of the District Heating in Pusan. January, 2003 (as a team leader)

Environment and Energy Issues of South Korea for the Sustainable Growth in Northeast Asia in the 21<sup>st</sup> Century. National Institute for Research Advancement, Japan, August, 2002. (as a team leader)

A Study on Strategies to Address the United Nations Framework Convention on Climate Change and the Kyoto Protocol; the Second Year. December, 2001(as a team leader)

A Study on Setting the National Energy Saving Target and Sectoral Implementation Plans. 2001. (as a participating researcher)

A Study of the Heat Tariff Reform in Korea, Ministry of Commerce, Industry, and Energy, October, 2001 (as a team leader)

A Study of the mid- and Long-term Planning to Introduce the Economic Impact Analysis of Environmental Policies, Ministry of Environment, April, 2001 (as a participating researcher)

A Study of the Optimal Level of the Rate of Return for the Pusan District Heating Supply Facility, March, 2001 (as a team leader)

The Impacts of Climate Change Negotiation on Domestic Industrial Structure and International Competitiveness, December, 2000 (as a participating researcher)

A Study of the Social Effects of International Greenhouse Gas Emission Reduction Efforts, December, 2000 (as a team leader)

A Study on Strategies to Address the United Nations Framework Convention on Climate Change and the Kyoto Protocol; the First Year, December, 2000, (as a team leader)

A Study on the Inducement of Private Investment for ESCO Projects, December, 2000, (as a participating researcher)

Demand for the Energy Efficiency in the Household Sector, December, 2000, (as a participating researcher)

An Application of the Price Cap to the District Heating Supply in 2000, July, 2000, (as a team leader)

A Study of the National Policies and Measures to Reduce Greenhouse Gases in Korea, January, 2000, (as a team leader)

## **PRESENTATIONS IN INTERNATIONAL CONFERENCES, WORKSHOPS**

- “Issues and measures of energy Security in the Republic of Korea,”* in International Seminar on Energy Security of Korea for the Next Decades: Economics and Geopolitics, Seoul, July, 2005.
- “A Korean Approach to the Energy resources in East Siberia and Far East Russia,”* in Workshop on Energy and Security in Northeast Asia II: Policy Implications for Japan, South Korea and the US.  
Organized by Eurasia Group on behalf of National Security Council and National Intelligence Council of US, Washington DC, USA, June 3, 2005
- “Project Designs for Northeast Asia Energy Cooperation,”* in 2005 Winter Working Group Meeting of The Northeast Asia Economic Forum, Honolulu, Hawaii, January 2005.
- “Implications of CDM for Energy and Industrial Sectors in Korea,”* in ITTO International Workshop on Climate Change and Forest Sector: Clean Development Mechanism in Tropical Countries, Seoul, September 21-23, 2004.
- “Clean Development Mechanism: A Korean Perspective,”* in Conference on Sustainable Energy and Environmental Technology, Yogaichi, Japan, May 8-10, 2003
- “Energy Cooperation and Its Impact on Environment in Northeast Asia,”* in The 12<sup>th</sup> Northeast Asia Economic Forum, Osaka, Japan, September 26-28, 2002
- “South Korea: State of the Environment and South Korea’s Role in International Cooperation,”* in The Eleventh Northeast Asia Economic Forum, Anchorage, U.S.A. March 6-8, 2002
- “A Theoretical Framework on the Interaction between Environment and Endogenous Growth,”* in Korea Environmental Economics Association Monthly Workshop, June, 2001
- “An Overview of the Energy-Environment-Economic Modelling in Korea,”* in 6<sup>th</sup> Sino-Korea-U.S. Economy, Environment Workshop, Beijing, China, May, 2001
- “Economic Approaches to the Acid Rain Problem in Northeast Asian Countries,”* in 6<sup>th</sup> International Conference on Acidic Deposition, Tsukuba, Japan, December, 2000
- “Using Chemicals on Residential Landscape,”* in Western Economic Association Annual Conference, San Francisco, U.S.A., July, 1996
- “Booms and Recessions in Natural Growth: Evidence from Tree-Ring Data,”* in 3<sup>rd</sup> Environmental Economics Workshop, Santa Barbara, U.S.A., May, 1996
- “Managing Risks Associated with Global Climate Change: Economic Implications of Evidence from Tree-Ring Data.”* in Environmental Forum at International Research Institute, Stanford University, April, 1995