

## Juhee Lee

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### AREAS OF INTEREST

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Research interests include Natural Resource and Environmental Economics and Agri-Environmental Policy, and Economic Geography. Specific interests include: **(1) Primary:** Water and Land-use associate with the valuation of ecosystem services and the design of agri-environment incentive schemes for environmental and agricultural sustainability, and climate change and its adaptive management and policy; **(2) Secondary:** Energy security and cooperation in Northeast Asia; conventional and unconventional energy sources; market-friendly energy price systems such as the emissions trading scheme and the carbon tax.

### EDUCATION

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- Expected 2019    **Ph.D.**, Agricultural Economics, Kansas State University, KS, USA. *Assistantships*  
*Advisor: Nathan P. Hendricks, Associate Professor*  
*Dissertation: Agricultural Decisions in Response to Salinity*
- 2015    **M.S.**, Agricultural and Resource Economics, Minor in Statistics, University of Tennessee, Knoxville TN, USA. *Assistantships*
- 2010    **M.A.**, International Studies (Specialization: Russian Studies), Hanyang University, Seoul, Korea. *Academic Scholarship for full educational years. Summa Cum Laude and Departmental Honors*
- 2006    **B.S.**, Political Science, Double Major in Business Administration, Keimyung University, Daegu, Korea. *Academic Scholarship for full educational years*

### SOFTWARE AND LANGUAGE EXPERTISE

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Statistical and Mathematical Software: experienced user of Matlab, SPSS, SAS and GAMS; familiar with Stata and R

Other Software Skills: Proficient in the use of Microsoft Excel, Word, Access, Power Point (Microsoft Office Specialist and Computer Literacy Certifications), LaTeX, ArcGIS, DAYCENT ecosystem model

Language Skills: Korean (Native), English and Russian (Intermediate proficiency, with emphasis on reading and writing—GRE and TOEFL Certificates and Testing of Russian as a Foreign Language (TORFL) Certificate), Japanese & Chinese (Basic notions)

## **AWARDS, HONORS AND FELLOWSHIPS**

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Department of Agricultural Economics Travel Grant, Kansas State University, 2018  
College of Arts and Sciences Travel Awards, Kansas State University, 2018  
Graduate Research Fellowship funded by the National Research Foundation of Korea, 2010-2011  
Global Fellows Internship funded by Korea Institute for International Economic Policy, 2009  
First Place Award on Thesis Competition of the Graduate School of International Studies, Korea, 2008  
International Cultural Exchange Fellowship Program in Japan funded by Keimyung University, 2005  
English Special Fellowship sponsored by International Education Center, Keimyung University, 2004

## **ASSISTANTSHIPS**

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Research Assistant, University of Nebraska-Lincoln project, Management and Policy, Fall 2015-2017  
Teaching Assistant, Kansas State University. AGEC 525: "Natural Resource and Environmental Economics", Fall 2015, 2016  
Research Assistant, USDA AFRI project: Urban Net Return in Land Use Model, Spring 2014-2015  
Teaching Assistant, University of Tennessee, AREC 320: "Microeconomics of Agriculture, Food and Resources", Fall 2013, 2014

## **PROFESSIONAL EXPERIENCE**

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Oct 2011-Aug 2013

Researcher, Oil and Gas Policy Research Division, Energy Policy Research Group, Korea Energy Economics Institute (KEEI), Seoul, Gyeonggi-do, Korea

• Participated in the following *Research projects & Working papers*:

- Feed-Pressure Standards for High-pressure Gas
- Assessment System for LNG Import Contracts
- Role Sharing between LNG and LPG
- The Quality Control and Supply Stabilization of Russia's Pipeline Natural Gas in 2012
- Pricing Methods and Optimal Portfolio of Term-Contracts and Spot Deals for LNG Imports
- Prospects of Shale Gas Development, Its Ripple Effect on Related Industries and Policy Direction
- Changes in LNG Market Conditions and the Need for Trading Business
- Institutional Improvement for Extension of LNG Storage Capacities
- Development Feasibility of a Natural Gas Trading Hub in Asia

Mar 2010-Sep 2010

Administrative Staff at Support Division, Korean Embassy & Korean Cultural Center in Russia, Moscow, Russia

• Undertook planning & public relations for cultural events including:

- Celebration of the 20th anniversary of Korea-Russia amity, the G20 Summit, the Korean Film Festival, Exhibition of Korea-Russia Art, Russia Taekwondo Championship, Provincial Tours for Cultural Festival, Korean Cooking Class
- Held a discussion meeting for the press and wrote press releases regarding major incidents such as sinking of the Cheonan and the Bombardment on Yeonpyeong Island

## RESEARCH EXPERIENCE

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May 2011-Oct 2011

Assistant researcher, Asia-Pacific Research Center at Hanyang Univ., Seoul, Korea

Conducted extensive research to support the production and coordination of the 'Journal of Eurasian Studies (JES)', focusing on Eurasian issues in general, and on the following seven topical issues in particular: National Identity, Political/Economic Transition, Migration, Energy Problems, International Development, Culturology, and The History of Everyday Life

- Data collection and analysis related to international research institutes, conferences and primary journals for Eurasian Studies for database establishment

※ <http://www.sciencedirect.com/science/journal/18793665>

※ <http://www.eurasiahub.org> or <http://www.euris.kr>

May 2011-Oct 2011

Study participant, Korea Institute for International Economic Policy, Seoul, Korea.

- Title of Research Project: A Study on Status and Revitalization of Human Resources Exchange in Korea-Central Asia

Mar 2010-Feb 2011

Assistant researcher, Institute of Far Eastern Studies Russian Academy of Sciences, Moscow, Russia.

- Conducted academic research training sponsored by the National Research Foundation of Korea
  - Research discipline under Research Director, Alexander Zhebin, Senior Fellows, K.V. Asmolov and C.C. Cuclina of the Center for Korean Studies.
  - **Research Agenda:** Regional Development of Russian Far East and Eastern Siberia and Northeast Asia (focused on development policy & expansion strategies)
  - **Research Agenda:** Issues of Russian East Siberia and the Far East and Northeast Asia (focused on natural resources & environmental issues)

Mar 2008-Nov 2009

Assistant researcher, Asia-Pacific Research Center at Hanyang Univ., Seoul, Korea

- Conducted extensive research to support the construction of Online Information Provider System for Eurasia.

- **Research Agenda:** Identity and Cultural Coexistence in Eurasia: Establishment of the Eurasian Studies and a Comprehensive Regional Information System

※ <http://www.eurasiahub.org> or <http://www.euris.kr>

- **Research Agenda:** Russia's Energy Policy within CIS and Prospects for Russian-Korean Energy Cooperation

## PRESENTATIONS

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Southern Agricultural Economics Association Annual Meeting in Birmingham, AL, February 2-5, 2019

**Title of Presentation:** "Agricultural Decisions in Response to Groundwater Salinity in Irrigated Lands."

Western Agricultural Economics Association Annual Meeting in Anchorage, AK, June 24-26, 2018

**Title of Presentation:** "An Analysis of South Korea's Import Demand by the Expansion of Mandatory Labeling of Genetically Modified Crops."

Southern Agricultural Economics Association Annual Meeting in Atlanta, GA, February 26-28, 2010

**Title of Presentation:** “Exploring Tax-Based Payment Approach for Forest Carbon Sequestration.”

Center for Russian and East European Studies, University of Pittsburgh. 7th Annual International Graduate Conference: “*Environment, Identities, and Space in Europe and Central Asia*,” in Pittsburgh, PA, February 26-28, 2010.

**Title of Presentation:** “Mahalla as Negative Social Capital: The Case of Uzbekistan”

## **PUBLICATIONS**

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### **Research Reports**

1. Seo J.K. and **J.H. Lee**. 2013 Development Feasibility of a Natural Gas Trading Hub in Asia. *World Energy Market Insight* 13 (15): 3-12. KEEI, Seoul, Korea.
2. Kim, K.J, J.K. Seo, E.M. Lee, J.H. Park, N.J. No, H.C. Shin, and **J.H. Lee**. 2013. The Quality Control and Effective Supply Plan for Russia PNG. Oil and Gas Policy Research Division, Energy Policy Research Group, KEEI-13-3, Seoul, Korea.
3. Kim, K.J, E.M. Lee. H.J. Do, S.K. Lee, U.T. Jung. S.M. Lee, H.J. Lee, **J.H. Lee**, and M. L. Lee. 2013. The Role and Cooperation of Korea Gas Corporation in Northeast Asia, Oil and Gas Policy Research Division, Energy Policy Research Group, KEEI-13-1, Seoul, Korea.
4. Jung, J. H., J.K. Seo, E.M. Lee, J.H. Park. H.C. Shin, M.L. Yeo, and **J.H. Lee**. 2012. Changes in LNG Market Conditions and the Need for Trading Business. Oil and Gas Policy Research Division, Energy Policy Research Group, KEEI-12-11, Seoul, Korea.
5. Kim, K.J, J.K. Seo, E.M. Lee, J.H. Park, H.C. Sin, and **J.H. Lee**. 2012. Trade Enforcement for LNG. Oil and Gas Policy Research Division, Energy Policy Research Group, KEEI-12-11, Seoul, Korea.
6. Seo J.K, E.M. Lee, J.H. Park, and **J.H. Lee**. 2012. Pricing Methods and Optimal Portfolio of Term-Contracts and Spot Deals for LNG Imports, Oil and Gas Policy Research Division, Energy Policy Research Group, KEEI-12-5, Seoul, Korea.
7. Kim, K.J, J.K. Seo, J.H. Park. H.C Shin, and **J.H. Lee**. 2012. Prospects of Shale Gas Development, Its Ripple Effect on Related Industries and Policy Direction, Oil and Gas Policy Research Division, Energy Policy Research Group, KEEI-12-5, Seoul, Korea
8. Kim, K.J, J.K. Seo, E.M. Lee, J.H. Jung, and **J.H. Lee**. 2011. Feed-Pressure Standards for High-pressure Gas. Oil and Gas Policy Research Division, Energy Policy Research Group, KEEI-11-12, Seoul, Korea.
9. Kim. K.J., Seo J.K., E.M. Lee, and **J.H. Lee**. 2011. Institutional Improvement for Extension of LNG Storage Capacities, Oil and Gas Policy Research Division, Energy Policy Research Group, KEEI 11-12, Seoul, Korea.

### **Working papers**

1. Agricultural Decisions in Response to Groundwater Salinity in Irrigated Lands (working paper joint with Nathan P. Hendricks)
2. Agricultural Decisions in Response to Surface water Salinity in Irrigated Lands (working paper joint with Nathan P. Hendricks)
3. Effect of Groundwater Salinity on Land Values (working paper joint with Nathan P. Hendricks)
4. An Analysis of South Korea's Import Demand by the Expansion of Mandatory Labeling of Genetically Modified Crops (working paper joint with Tian Xia)

**Printed Papers**

5. Cho, S.H., **Lee, J.**, Roberts, R.K., Yu, E.T., and Armsworth, P.R. 2018. Impact of market conditions on the effectiveness of payments for forest-based carbon sequestration. *Forest Policy and Economics*.
6. Cho, S. H., **Lee, J.**, Roberts, R. K., English, B. C., Yu, E. T., Kim, T., and Armsworth, P. R. 2017. Evaluating a tax-based subsidy approach for forest carbon sequestration. *Environmental Conservation*, 44(3), 234-243.
7. Cho, S.H., **Lee, J.**, Roberts, R.K., Yu, E.T., and Armsworth, P.R. 2017. Impact of market conditions on the effectiveness of payments for forest-based carbon sequestration. *Forest Policy and Economics* (Successfully received).
8. Cho, S.H., **Lee, J.**, Roberts, R.K., English, B.C., Yu, E.T., Kim, T., and Armsworth, P.R. 2017. Evaluating a tax-based subsidy approach for forest carbon sequestration. *Environmental Conservation*, 1-10. DOI: <https://doi.org/10.1017/S0376892917000078>.
9. **Lee, J.H.** 2010. The Formation of Chinese's Economic Blocs in Central Asia and A Role of Shanghai Cooperation Organization, *Journal of the Graduate School of International Studies* 6: 41-58. Seoul, Korea.
10. **Lee, J.H.** 2009. Strategies of Advancing to Central Asia of Korea's Power Plant Industry through Carbon Capture and Storage Technology (CCS), *Journal for Central Asia Studies* 2: 151-172. Seoul, Korea.
11. Kim, J.H., **J.H. Lee**, and B.G. Kang. 2009. A Study on the Motives of the Authoritarianism in Kazakhstan and National Governance, *Journal for Central Asia Studies* 2: 5-31. Seoul, Korea.
12. **Lee, J.H.**, 2009. A Study on the Secessionism Motives of the Russian Federation Focusing on the Post-Soviet Union Era and Chechnya. *Journal of the Graduate School of International Studies* 6: 5-36. Seoul, Korea.
13. Eun, S.T. and **J.H. Lee**. 2008. The Change of Turkmenistan Gas Cooperation by China's Appearance: A Study on the Validity by Interdependence Theory, *Journal for Central Asia Studies* 1: 85-108. Seoul, Korea.

**Papers in online journals**

1. **Lee, J.H.**, 2009. "An Adoption Problem of Russia", e- Eurasian Studies Review 15: 30-31. Seoul, Korea.
2. **Lee, J.H.**, 2009. "Cotton Industry of Uzbekistan and Achievements of Daewoo International Corporation, Korea's Largest Trading Company and a Subsidiary of POSCO", e- Eurasian Studies Review 13: 22-26. Seoul, Korea.
3. Kang, B.G. and **J.H. Lee.**, 2008. "The Progress and Prospect after the Russia-Georgia War", e- Eurasian Studies Review 9: 49-53 Seoul, Korea.

**OTHER EXPERIENCE**

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Jan 2009-Feb 2009

Internship at TOW Co., Ltd, a trading company in Tashkent, Uzbekistan funded by Korea Institute for International Economic Policy. Undertook field research for Daewoo Textile Fergana & Clean Development Mechanism (CDM) of Uzbekistan.

Mar 2008-Feb 2010

Completed the course of GPAS (Graduate Program for Area Studies-Central Asia Specialist) sponsored by Korea Institute for International Economic Policy

Jul 2008-Jul 2008

Completed workshop sponsored by Ministry of Foreign Affairs and Trade. Educated on key issues, such as FTA, climate change, poverty, war, human rights

Jun 2008-Aug 2008

Served internship sponsored by Institute of Foreign Affairs and National Security. Undertook the task of making an article on Russian and Korean energy policy

Jan 2005-Feb 2005

Completed education program sponsored by KT&G Corporation, Korean cigarette maker in Marketing, Planning, Public Relations and participated in Marketing Presentation Competition

Jul 2002-Oct 2003

Language Training in Oakland, CA, USA

### **VOLUNTEER WORK**

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Jul 2007-Jul 2007      Missionary and volunteer work in Qingdao, China

Dec 2007                Volunteer for Oil-spill in the coast of Taean, Korea

Jul 2000-Sept 2000    Volunteer for Indian Reservation Area, USA

Dec 1998-Jan 1998    Volunteer for the physically disabled at International Rehabilitation Centre, Korea

### **PROFESSIONAL AFFILIATIONS**

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May 2008-Feb 2010    Served as an assistant for the Korea-Central Asia International Conference hosted by Asia-Pacific Research Center and The Institute of Far Eastern Studies

Sep 2004-Aug 2006    Served advertisement and educational manager, National Model UN Conference, Department of Political Science and Diplomacy, Keimyung University, Korea

Mar 2000-Jul 2002    Served Subgroup leader, Christian Club, Keimyung University, Korea

(Last updated: November 2018)