

Shin Kue Ryu, Ph.D.
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ACADEMIC POSITION

Assistant Professor Aug. 2017 – Present
Department of Political Science, Idaho State University, Pocatello, ID USA
* Master Teacher Award Recipient

EDUCATION

Doctor of Philosophy in Political Science May 2007 – Dec. 2016
Subfields: Public Administration and Comparative Politics
George Mason University
* Outstanding Doctoral Student Award Recipient

Master of Arts in Political Economy and Public Policy Aug. 2006 – May 2007
Washington University in Saint Louis

Master of Science in Public Policy Sept. 2002 – Sept. 2003
University of London, Queen Mary and Westfield College

Bachelor of Arts in Economics Aug. 1997 – May 2001
Washington University in Saint Louis

PUBLICATIONS, PRESENTATIONS, AND AWARDS

Publications

- Ryu, Shin Kue, and Chung, Soon Gwan. (forthcoming in 2021). "Korea's Early COVID-19 Response: Findings and Implications." *International Journal of Environmental Research and Public Health*. [Accepted for publication].
- Chung, S. G. and Ryu, S. K. (2021) "South Korea's Decentralization: Experience and Lessons from President Moon's Initiatives." *Korean Local Government Review*. 22(4): 67-95.
- Ryu, S. K. (2020). 미국선거제도와 시사점 [U.S. Election System and Its Implications. In W. H. Lee & Ko, K. (Eds.). *현지교수가 전하는 미국행정 풀어쓰기 [U.S. Public Administration and Policy]* (pp. 277-297). Seoul: Dae Young.
- Ryu, Shin Kue. (2019). "Variation in Access to Safe Drinking Water across Different Countries: An Explanatory Framework." *Social Sciences*. 8(2): 68.
- Northover, H, Ryu, S. K., and Brewer, T. (2016). *Achieving total sanitation and hygiene coverage within a generation – lessons from East Asia*. London, UK: WaterAid.

- Ryu, S. K. (2016). *Universal Access to Improved Sanitation in Malaysia's Rural Areas: Detailed Study on the Role of Institutions and their Political Drivers*. London, UK: WaterAid.
- Ryu, S. K. (2016). *Universal Access to Improved Sanitation in Singapore: Detailed Study on the Role of Institutions and their Political Drivers*. London, UK: WaterAid.
- Ryu, S. K. (2016). *Universal Access to Improved Sanitation in South Korea: Detailed Study of the Role of Institutions and their Political Drivers*. London, UK: WaterAid.
- World Bank. (2016). *Delivering Universal and Sustainable Water Services: Partnering with the Private Sector*. Washington, DC: World Bank. (* See acknowledgements.)
- World Bank. (2014). *PPP Reference Guide 2.0*. Washington, DC: World Bank. (* See acknowledgements.)
- Oh, K. M., Zhou, Q., Kreps, G., & Ryu, S. K. "Comparison of Breast Cancer Screening Practices between Asians and Pacific Islanders" *American Journal of Health Behavior*. 36.5 (September 2012) 711-722.
- Posner, P. L., Ryu, S. K., and Tkachenko, A. "Public-Private Partnerships: The Relevance of Budgeting." *OECD Journal on Budgeting* 2009.1 (2009).
- Chiara, C. J., Devlin, M., Ideguchi, E., LaFosse, D. R., Lerma, F., Reviol, W., Ryu, S. K., Sarantities, D. G., Pechenaya, O. L., Baktash, C., Galindo-Uribarri, A., Carpenter, M. P., Janssens, R. V. F., Lauritsen, T. Lister, C. J., Reiter, P., Seweryniak, D., Fallon, P., Görden, A., Macchiavelli, A. O., Rudolph, D., Stoitchewa, G., & Ormand, W. E. (2007). "Probing sd-fp cross-shell interactions via terminating configurations in $^{42,43}\text{Sc}$." *Physical Review C*. 75(5): 054305.
- Reviol, W., Sarantities, D. G., Charity, R. J., Chiara, C. J., Elson, J., Montero, M., Pechenaya, O. L., Ryu, S. K., Sobotka, L. G. (2005). "'HERCULES': Design, Instrumentation, and performance characteristics of a high-efficiency evaporation-residue counter under a lot of elastic scattering for spectroscopic studies with Gammasphere." *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*. 541 (3): 478-500.
- Chiara, C. J., Ideguchi, E., Devlin, M., LaFosse, D. R., Lerma, F., Reviol, W., Ryu, S. K., Sarantities, D. G., Baktash, C., Galindo-Uribarri, A., Carpenter, M. P., Janssens, R. V. F., Lauritsen, T., Lister, C. J., Reiter, P., Seweryniak, D., Fallon, P., Görden, A., Macchiavelli, A. O., & Rudolph, D. (2003). "Transition quadrupole moments in the superdeformed band of ^{40}Ca ." *Physical Review C* 67(4): 041303.

Works in progress

- Ryu, S. K. and Nyaku, P. S. *Zimbabwe's COVID-19 Pandemic Response: Contextual Conditions and Means Nexus* (completed R&R and waiting for final publication decision)
- Ryu, S. K. and McBeth, M. *Implementing International and Comparative Concepts in a MPA Program Located in a Primarily Rural Area*.
- Ryu, S. K. and McGovern, R. *Idaho public sector's response to COVID-19 in a comparative perspective*.
- Ryu, S. K. and Fornarotto, M. *Translating Infrastructure Resilience in Small Cities: A Pocatello Case Study*
- Ryu, S. K. and Kim, Y. H. *Theoretical Integration of SDG#6 into country comparative indexes*.

Presentations at Academic Conferences and to the International Community

- Ryu, S. K. *Integrating ArcGIS Urban to teach Small Area Plans*. Presented at the American Society for Public Administration; March 30, 2021.
- Ryu, S. K., and Nyaku, P. S.* *Zimbabwe's COVID-19 Pandemic Response: Contextual Conditions and Means Nexus*. Paper presented at the American Society for Public Administration; April 9, 2021. (* Nyaku is a graduate student in the doctoral program.)
- Ryu, S. K., and McGovern, R.* *Idaho Government's Response to COVID-19: Mechanism and Context*. Paper presented at Pacific Northwest Political Science Association; November 7, 2020. (* McGovern is a graduate student in the MPA program.)
- Ryu, S. K. *Sustainable Economic Development*. Presentation at Southeast Idaho Council of Governments; July 25, 2019.
- Ryu, S. K. *Dancing to different tunes: Indonesia's Federalism in the Water Sector*. Paper presented at American Society of Public Administration; March 11, 2019; Washington, DC USA
- Ryu, S. K. *Variation in Performances of Indonesia's Water Utilities: The Lasting Imprints of Fiscal and Administrative Decentralization*. Paper presented at American Society of Public Administration; March 10, 2018; Atlanta, GA USA.
- Ryu, S. K. *Sustainable Development Goals & World Toilet Association's Globalization*. Special guest invitation presentation for World Toilet Association; November 22, 2017, 2017.
- Ryu, S. K. *Variation in Access to Safe Drinking Water Across Different Countries: How do Public Administration Theories Help Explain the Variation*. Paper presented at American Society of Public Administration; March 29, 2017; Atlanta, GA USA.
- Ryu, S. K. *How Countries Achieved Universal Access to Improved Sanitation within a Generation*. Presentation presented at the Brown Bag Seminar at the Asian Development Bank Headquarters; August 23, 2016; Manila, Philippines.
- Ryu, S. K. *Explaining Variation in Safe Drinking Water Coverage with Different Theories of Governance*. Paper presented at the Midwest Political Science Association Annual Meeting; April 10, 2016; Chicago, USA.
- WaterAid. *What does it take to reach universal access to sanitation?* Panel presentation at the 7th World Water Forum; April 16, 2015; Gyeongju, South Korea.
- Ryu, S. K. *Water and Sanitation in a Comparative Perspective*. Presentation presented at a special invitation lecture at the Graduate School of Water Resources in Sungkyunkwan University; September 5, 2014; Suwon, South Korea.
- Ryu, S. K. *Water and Sanitation in a Comparative Perspective*. Presentation presented at a special invitation lecture at Korea Environment Institute within the Prime Minister's Office; September 4, 2014; Seoul, South Korea.
- Northover, Henry, Ryu, S. K., and Brewer, T. *How did Asian Tigers Improve Their Sanitation Coverage So Quickly?* Paper presented at the Stockholm Water Week; September 2, 2014; Stockholm, Sweden.
- Ryu, S. K. *Dialectic Research Design: Understanding and capturing the intervening variables with the causal relationships between 'access to safe drinking water' and the 'state'*. Paper presented at the annual meeting of the Midwest Political Science Association (abstract accepted for presentation); April 11, 2013; Chicago, USA.
- Ryu, S. K. *Access to Improved Water Sources and Water Reforms: Exploring Why Some Countries Succeed and Why Some Do Not*. Poster presented at the annual meeting of the Midwest Political Science Association; April 13, 2012; Chicago, USA.

- Posner, P. and Ryu, S. K. "Public-Private Partnerships: The Relevance of Budgeting." Presentation at the 29th Annual Meeting of OECD Senior Budget Officials, June 2-3, 2008; Vienna, Austria.
- Posner, P. and Ryu, S. K. "Third Party Governance: Transformations in Public Management." Presentation at the 5th OECD-Asian Senior Budget Officials Meeting, January 10-11, 2008; Bangkok, Thailand.

Awards

- Master Teacher Award, Idaho State University, Pocatello, ID 83209 USA
- Outstanding Doctoral Student Award, Schar School of Policy and Government, George Mason University, Fairfax, VA 22030 USA
- Prime Minister's Certificate of Appreciation, Iraq Kurdistan Regional Government's Prime Minister
- Parliament General Director Award, Iraq Kurdistan Regional Government's Parliament General Director
- Asayesh Award, Iraq Kurdistan Regional Government's Director of Asayesh.
- Zaytun Humanitarian and Reconstruction Division Commander Award, Division Commander (Major General).
- 595 Defense Security Unit Commander Award, Unit Commander (Lt. Colonel).
- Iraq Medal, Republic of Korea's Defense Minister.

GRANT APPLICATIONS

FUNDED

Co-Principal equivalent Component Leader, *Idaho Department of Health and Welfare*. 2021 –2022

I am a component leader for the 4-year \$400,000 Get Healthy Idaho Grant awarded by the Idaho Department of Health and Welfare. Its purpose is to study both the downstream and upstream factors impacting health disparities within Bannock County. The grant works with other components led by United Way and the Free Clinic. The components will all be integrated into a Comprehensive Action Plan to improve population-level health outcomes of the locality.

Principal Researcher, *WaterAid, London, UK*

Jun. 2012 – Jan. 2016

I was the principal investigator for WaterAid's *Political Economy of Sanitation* research. This research examines why certain countries in Asia were able to reach universal access to improved sanitation while other countries could not. This research grant was received based on my current doctoral research of why certain countries were able to increase their provision of safe drinking water in the last 20 years while certain countries could not. The research systematically and more thoroughly examines the political and institutional components behind the variation in outcomes.

UNFUNDED

Lead Principle Researcher, *National Endowment for the Humanities (NIH), U.S.*

Along with co-PIs from the Art and English Departments, we submitted three consecutive NEH applications. In 2019, it was titled, "Dialogues on the Experience of War." In 2020 and 2021, it was titled, "Contributions and Sacrifices under a Common Banner." The purpose was to introduce works of humanities to the local veterans. In the process, each PI produced a syllabus. We received support letters from various local veterans' communities, which includes the city's Military Affairs Council. We also got letters of support from Idaho's Congressional delegation.

Unfortunately, it was unfunded despite the fact that NEH has encouraged us to reapply for 2 consecutive years.

Lead Principle Researcher, *National Science Foundation, U.S.*

Along with ISU's GIS Director, we submitted a proposal to conduct Planning Support Systems (PSS) Needs Assessment in Southeast Idaho's 7 counties. It is to study whether PSS are harnessing the latest developments in technology and whether the administrative process integrates such analyses to reach more effective decisions. We received support letters from Commissioners and Mayors. We also received support from ESRI, the software company responsible for developing ArcGIS suites. The study would lead up to a report that would have allowed us to go after a larger NSF funding on building sustainable development networks.

Fellow, *American Institute for Indonesian Studies, U.S.*

I applied for research funding to conduct follow-up field work in Indonesia regarding administration reforms and water utility performance. This would also build upon the collaboration done with the Ministry of Public Works and University of Indonesia. I was not awarded but placed on the waiting list.

Fellow, *Lee Kong Chian Fellowship, Stanford University, U.S.*

I applied for research funding for 2019-20 to map out critical factors in explaining water and sanitation sector development in Southeast Asia. This was to build upon my doctoral dissertation.

Fellow, *Notre Dame Institute for Advanced Study, U.S.*

I applied for a 2021 fellowship to further my research on varied pandemic responses of different countries. This was to build upon the 3 manuscripts in development. The one on Korea was published. The other two on Idaho and Zimbabwe was in the pipeline with the latter expected to be included in a symposium issue. Time at the center would allow me to write another manuscript on the topic.

TEACHING EXPERIENCES (in descending level from graduate to undergraduate levels)

POLS6680 Capstone for Public Administration

POLS6623 Program Assessment and Evaluation

POLS4499/5599 Public Private Partnerships

POLS4499/5599 International Sustainable Development

POLS4452/5552 Public Budgeting and Finance

POLS4433/5533 Politics of Developing Nations

POLS4409/5509 Community and Regional Planning

POLS3331 Comparative Politics

POLS3350 & GOVT333: Government and Politics of Asia¹

GOVT300 Research Methods and Analysis

POLS1101 Introduction to U.S. Government

¹ Different course numbers refers to teaching at different universities

PROFESSIONAL EXPERIENCES

Vice Chair

Dec. 2019 – Present

Pocatello Planning and Zoning Commission, Pocatello, ID, USA

The Planning and Zoning Commission consists of 7 members serving 4-year terms. The Commission is responsible for recommending to the City Council a comprehensive land use plan for use in the city and appropriate changes in zoning and land use. A major function of the commission is to review and analyze complex land use issues to assist the City Council in reaching final decisions on such matters.

Advisory Member

Dec. 2019 - Present

Seoul National University's Institute of Green Bio Science and Technology, Pyeongchang, South Korea

Assist in the feasibility study completion for Inter-American Development Bank's UR-T1182 Project titled, "Promoting Productive Transformation and Competitiveness of Uruguay's Agri-food Industry based on Science, Technology and Innovation. This includes traveling to Uruguay in South America to meet with government counterparts and engaging in relevant stakeholder meetings with the Master Plan.

Delegate to the United Nations

May 2019 – Present

World Toilet Association, Suwon, South Korea

Represent the World Toilet Association, an international NGO with 24 member countries, to the United Nations meetings on Sustainable Development Goal #6: Clean Water and Sanitation. The role entails sharing and convening WTA's field experiences so that they be considered and incorporated in setting global policies on SDG6. This requires attendance to the UN meetings at the UN Headquarters in New York City.

Research Affiliate, Centers for Public Service

Jan. 2017 – May 2017

Schar School of Policy and Government, George Mason University, Arlington, VA, USA

Conducted work to publish and disseminate my research findings on water policy, politics, and institutions. External presentation engagements were prepared for the World Bank, APSA, MPSA, and APSA. Publications outlets were explored by engaging with academic publishers. Also, developed a new syllabus to teach the Government and Politics of Asia course at George Mason University.

Consultant

Jul. 2015 – Dec. 2015

World Bank Global Partnership for Output Based Aid in Urban Development Unit, Washington DC, USA

I worked on the financial models of subsidies for the Burkina Faso's irrigation sector for financial and economic feasibility analysis while also assisting the Task Team Leader in meeting the various internal processes of the World Bank for subsidy distribution for water services in Kenya. This was the last position I held at the World Bank and turned down an extension, as I needed to dedicate myself to the completion of my doctoral dissertation.

Consultant

Jan. 2013 – Jul. 2015

World Bank Water and Sanitation Partnership in Water Unit, Washington DC, USA

I was responsible for developing the Public Private Partnership's Standard Operating Procedures (SOPs) and Strengthening Public Institutions Standard Operating Procedures within Water and

Sanitation Program's Domestic Private Sector Participation (DPSP) Business Area. The SOPs take stock and examine various Water and Sanitation Partnership's Public Private Partnership (WSP PPP) contracts and Analytical and Advisory Activities to identify best practices in encouraging DPSP activities. It is aimed to serve as a guide to Task Team Leaders (TTLs) by developing a framework for TTLs to design PPP and Public Reform Technical Assistance (TA) components. In corollary, I am also responsible for convening the monthly internal Brown Bag Lectures on the various DPSP activity components that is each led by a specific senior staff. Also, my responsibilities include DPSP program administration, Trust Fund management, and reporting. All these activities build upon the WSP DPSP Global Meeting, which was a multi-country learning and knowledge exchange that I planned and organized.

Consultant

Jun. 2012 – Jan. 2013

World Bank Institute Public Private Partnerships, Washington DC, USA

I worked on updating the PPP Reference Guide, which synthesizes and consolidates the current knowledge on Public Private Partnerships. Particularly, building on my past PPP research and publication, I was responsible for updating the legal and institutional framework module. I also worked on organizing the 3rd Asia Public-Private Partnership Practitioners' Network hosted with the Asian Development Bank and the Korea Development Institute.

Research Assistant

Sept. 2010 – Dec. 2010

Department of Nursing, George Mason University, Fairfax VA, USA

I served as a methodologist for the research group. I calculated adjusted odd ratios on breast cancer screenings using binomial logistic regressions. I was the methodologist in the project responsible for running the quantitative analysis and checking whether the statistical results were being properly interpreted. The research was published in *American Journal of Health Behavior*. The study was selected as an exceptional study to be presented at the Annual International Conference on Research.

Intern

May 2008 – Aug. 2008

Organization for Economic Cooperation and Development (OECD), Paris, France.

I assisted the head of the Budget Unit by producing research notes on various national budget reforms and well as compiling the key government budget reform agendas discussed during the past 30 years of the OECD Senior Budget Officials Meeting. The work has been incorporated in *Evolutions in Budgetary Practice: Allen Schick and the OECD Senior Budget Officials* book.

Research Assistant

July. 2007 – Dec. 2008

Department of Public and International Affairs, George Mason University, Fairfax VA, USA

I researched and co-authored the OECD Senior Budget Official Meeting paper on PPPs and its impact on the country's national budget. The meeting was chaired by the Secretary of Australia's Department of Finance. The article was re-published in *OECD Journal on Budgeting* in 2009. The publication has been cited by various academics and international organization.

Merger & Acquisition Analyst

Dec. 2005 – July 2006

Cornerstone Advisors, Inc. (Investment Bank), Seoul, Republic of Korea

I performed industrial and financial analysis at a boutique investment bank for various merger and acquisition projects involving foreign multinational firms and domestic firms. My responsibilities included preparing financial documents such as Management Projections, Competitive Landscape Analysis, Discount Cash Flow Analysis, and Weighted Average Cost of Capital Analysis.

Sergeant (Intel and Translation)

Dec. 2003 – Dec. 2005

Counter-Terrorism Unit, Ministry of National Defense, Republic of Korea (multiple stations)

I was deployed to Iraq to produce analytic reports on the political and economic developments in Iraq. The leadership within both the Korean military and the Iraq Kurdistan leadership utilized the reports. The various awards were received as a result.

Research Assistant

May 1999 – May 2002

Department of Chemistry, Washington University in Saint Louis, Saint Louis MO, USA

I helped build HERCULES under the guidance of Dr. Sarantities, who is the Glenn T. Seaborg Award winner for Nuclear Chemistry. The refined nuclear reaction detection device is used in conjunction with the Gammaphere that is housed in rotation at the Lawrence Berkeley National Laboratory and the Argonne National Laboratory. The device is used to map out electron decay schemes of chemical isotopes. The publications in nuclear chemistry journals are result of this work. I no longer pursued nuclear chemistry research as I received a full scholarship to the Political Economy program.

LANGUAGES AND COMPUTER SKILLS

Languages

I speak English and Korean fluently.

Computer Software Operation Skills

MS Office, SPSS, Stata, Matlab, Radware, Perl, HTML, MySQL, ArcGIS Pro, ArcGIS Urban

REFERENCES

Dr. Donna Lybecker

Professor and Vice-President
Idaho State University

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Dr. Mark McBeth

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Idaho State University

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Dr. Ming Wan

Professor and Associate Dean
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