

PARK KYUNG RYUL | 박경렬 | 朴慶烈

Graduate School of Science & Technology Policy
Korea Advanced Institute of Science & Technology (KAIST)
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Homepage: di-lab.kaist.ac.kr

ACADEMIC APPOINTMENT

Korea Advanced Institute of Science and Technology (KAIST)	Daejeon, Korea
Assistant Professor, Graduate School of Science and Technology Policy (STP)	2018-present
Adjunct Professor, College of Business	2020-2023

EDUCATION

London School of Economics and Political Science (LSE)	London, UK
Ph.D. in Information Systems and Innovation	2018
• Thesis: “Why do Aid Information Management Systems Fail? - Understanding Global Diffusion of Data-Driven Development Initiatives and Sustainability Failure in the Case of Indonesia”	
Harvard University, John F. Kennedy School of Government	Boston, USA
Master in Public Policy (Political and Economic Development Concentration)	2010
• Thesis: “ICT-enabled Development Assistance Policy to Sub-Saharan Africa: The Case of Korea”	
Seoul National University (SNU)	Seoul, Korea
B.S. in Chemical and Biological Engineering and B.A. in International Relations (Dual Degree)	2004

RESEARCH AREA

Sustainable Development: development theory; ICT for development; SDG monitoring and cooperation

Science & Technology Policy: socio-technical transition; global technology governance

Information Systems: system failure; institutional theory; socio-political implications of data and digitality

Field Works in Tanzania, Kenya, Uganda, Indonesia, Cambodia and India

Research & Academic Appointments

- Visiting Scholar, Universidad Carlos III de Madrid (UC3M) (2023)
- Visiting Scholar, National Graduate Institute for Policy Studies, Japan (GRIPS) (2023)
- Adjunct Professor, KAIST G-School, KAIST-NYU Digital Governance & AI Policy Group (2023-)
- Adjunct Professor, KAIST Institute, Robotics Research Group (2022-)
- Affiliated Faculty, KAIST Center for International Development Cooperation (2021-)
- Chair, KAIST Artificial Intelligence Institute, AI and Society Committee (2021-)
- Research & Teaching Assistant, Fellow, Dept. of Management, LSE (2013-2017)
- Santander Visiting Researcher, Institute of Southeast Asian Studies (ISEAS), Singapore (2016)
- Visiting Scholar, Visiting Research Fellow, Faculty of Administrative Science, Universitas Indonesia, Indonesia (2015-2016 & 2023)
- Research Assistant, Belfer Center for Science & International Affairs, Harvard Kennedy School, USA (2010)

PUBLICATIONS

Journal Articles

- Park, KR. and Park, YS. (2023). Addressing institutional challenges in Sustainable Development Goals implementation: Lessons from the Republic of Korea. *Sustainable Development*, 31(6). (Corresponding, 1st)
- Lee, J., Song, H., Lee, DJ., Kim, S., Sim, JS., Cha, M., and Park, KR. (2023). Machine Learning Driven Aid Classification for Sustainable Development. ‘AI for Social Good’. *International Joint Conferences on Artificial Intelligence*. 2023. (Corresponding)
- Kim, D., Won, J., Lee, E., Park, KR., Kim J., Park, S., Yang, H., and Cha M. (2022). “Disaster Assessment Using Computer Vision and Satellite Imagery: Applications in Water-related Building Damage Detection”. *Frontiers in Environmental Science*. 1688.
- Park, KR. (2022). “A Theoretical Reflection on International Development Cooperation in the Era of Digital Transformation”. 14(2), pp.1-20. 디지털 전환 시대 비판적 국제개발협력력을 위한 이론적 고찰. 국제개발협력연구 (Korean)
- Park, KR. (2020) “Data Revolution: A Critical View from the Perspective of Development Cooperation”, *International Development and Cooperation Review*, 12(2), pp.1-20. 개발협력 관점에서 본 ‘데이터 혁명’: 비판적 소고. 국제개발협력연구 (Korean)
- Park, KR. (2018) “Social Shaping of Aid Information Standard: The Role of International Aid Transparency Initiative in the UN Sustainable Development Goals (SDGs)”, *International Development and Cooperation Review*, 10(3), pp.199-227. 원조정보 국제표준의 형성과 유엔지속가능발전목표 이행을 위한 표준의 역할. 국제개발협력연구 (Korean)
- Park, KR. and Li, B. (2017). “Systems Failure for Good Reasons? – Understanding Aid Information Management Systems Failure with Indonesia as the State Actor in the Changing Global Field of Aid”. *Information & Communication Technology for Development*. IFIP Advances in Information and Communication Technology, pp.321-332.

Peer-reviewed Conference Proceedings (Information Systems, ICT4D & Computer Science)

- Thwe, MM. and Park, KR. (2023). A Systematic Literature Review on the Adoption of Edge Computing for Sustainable Development. In *International Conference on Electronic Government*. pp. 329-344. Springer.
- Amarakoon P, Braa J, Park, KR, Sahay S, and Muhire R. (2022). “Building Digital Resilience to Combat Pandemics: Comparison of South Korea, Sri Lanka and Rwanda”. *Implications of Information and Digital Technologies for Development*. ICT4D 2022. Springer.
- Park, KR., Sahay, S., Braa, J., and Amarakoon, P. (2021). “Digital Resilience for What? Case of South Korea”, In *Proceedings of the International Conference on Implications of Information and Digital Technologies for Development*. ICT4D 2021. Springer.
- Park, KR, and Yim, M. (2017). “Use of Information Systems and Data Sharing in Aid Management – Challenges and Opportunities in Southeast Asia”. In: *Proceedings of the 10th Annual International Conference on Information Systems (ICIS) SIG Global Development Workshop*, Seoul.
- Park, KR. (2017). “An Analysis of Aid Information Management Systems in Developing Countries: Explaining the Last Two Decades”. In: *Proceedings of the 50th Hawaii International Conference on System*

Sciences, Hawaii, pp.2580-2589. Springer.

Book Chapters

- Davison, R., and Park, KR., et al. (2024). "Past Practices, Current Debates and Disputes: Future Engagements and Opportunities Regarding Digital Transformation for Sustainable Development". in C. Leslie and D. Kreps (Eds.) *Current Directions in ICT and Society, IFIP Advances in Information and Communication Technology*. pp.43–58. Springer.
- Park, KR. (2022). "Science, Technology and Innovation in Sustainable Development Cooperation: Practices and Challenges in South Korea", in: H. Kwon and T. Yamagata (Eds.), *International Development Cooperation of Japan and South Korea: New Strategies for an Uncertain World*. Palgrave Macmillan.
- Park, KR. (2022). "Data", in S. Kim (Ed.), *Fundamental Concepts in Digital Society*, Seoul. 데이터. 디지털 사회의 핵심개념. 사회평론아카데미. (Korean)
- Park, KR. (2021). "Science and Technology Policy in North Korea and ICT Cooperation", in S. Kim (Ed.), *US-China ICT Competition and Technology Cooperation in Two Koreas*, Seoul. 과학기술 ICT협력과 북한. 미중ICT경쟁과 남북ICT협력. 사회평론아카데미. (Korean)
- Park, KR. (2021). "Data and International Development Cooperation", in H. Lee (Ed.), *ICT4D*, Seoul: Hanul. "데이터와 국제개발협력". *ICT4D 정보통신기술과 국제개발협력*. 한울.

Policy Papers and Books

- Lee, H., Zoo, H., Kim, S., and Park, KR. (2023). *Republic of Korea's Approach to Digital Technical Standards*. London. Ridgeway Information. London.
- Witemyer, R., Bailur, S., Anand, N., Park, KR., and Gigler, S. (2014). "New Routes to Governance: A Review of Cases in Participation, Transparency, and Accountability," In: *Closing the Feedback Loop: Can Technology Bridge the Accountability Gap?* World Bank, Washington, DC.
- Eggli, S., and Park, KR. (2013). "Using ICT to Improve Transparency in Bank-Financed Projects", *Open Development Technology Alliance How-to Notes Series*, World Bank, Washington. DC.
- Kuriyan, R., Bailur, S., Gigler, S., and Park, KR. (2012). "Technologies for Transparency and Accountability: Implications for ICT Policy and Implementation." *Open Development Technology Alliance Knowledge Collection*, World Bank. Washington, DC.

Track Chair Reports in Proceedings

- Park, KR., Banister, F., and Cordella, A. (2022). "Introduction to Policies and Strategies for Digital Government", In *Proceedings of the 54th Hawaii International Conference on System Sciences*. pp.2626-2627. Springer.
- Cordella, A., Banister, F., and Park, KR. (2021). "Introduction to Policies and Strategies for Digital Government", In *Proceedings of the 54th Hawaii International Conference on System Sciences*. pp.2399. Springer.
- Bannister, F., Cordella, A., and Park, KR. (2020). "Introduction to Policies and Strategies for Digital Government", In *Proceedings of the 53rd Hawaii International Conference on System Sciences*, pp.2250. Springer.

Other Conference Full Papers

- Park, J., and Park, KR. (2020). “Understanding the Research Landscape of Digital Work in Developing Countries”, In Proceedings of the IFIP Joint Working Conference, Hyderabad.
- Park, KR., Kim, Y. (2017). “Digital Inequality - A New Source of Generational Conflict? Case of Balkanization in South Korea”, Connected Life Conference, Oxford.

Op-ed

- “Digital Divide Between and Within Countries”, DevPolicy, July 2019 (with A. Watson)

Policy Reports in Korean (selected)

- Korea-ASEAN International Development Cooperation. 한-아세안 개발협력연구. 경제인문사회연구회 National Research Council (2023).
- 과학기술특성화대학의 신남방지역 우수학생 유치 및 교육·연구환경 조성에 관한 연구. 과학기술정보통신부. Ministry of Science and ICT (2019)

WORK EXPERIENCES

The World Bank	Washington DC, USA
Open Aid Specialist, World Bank Institute (WBI)	2011–2014
Consultant, Innovation Labs	2013–2014
Harvard Belfer Center for Science and International Affairs	Boston, USA
Research Assistant for Professor Juma Calestous	2010
United Nations World Intellectual Property Organization (UN-WIPO)	New York City, USA
Summer Development Policy Consultant	2009
Arusha Technical College	Arusha, Tanzania
Korea International Cooperation Agency (KOICA) Volunteer Lecturer in Computer Studies	2004–2007

ACADEMIC SERVICES

Activities in Academic Associations

- Editorial Board, Journal of International Development Studies
- Chair, International Affairs, Korea Association of International Development and Economic Cooperation (KAIDEC), 2019-present.
- Vice President, ODA Division, Academic Society for Appropriate Technology, 2021-present.
- Program Committee, International Workshop on Democracy and AI, International Joint Conference on Artificial Intelligence (IJCAI), 2024.
- Board Member, Program Committee, Working Group 9.4, the International Federation for Information Processing (IFIP 9.4) Implications of Information & Digital Technologies for Development (ICT4D), 2020-
- Track Chair, Policies and Strategies for Digital Government, HICSS, 2019-present
- Track Chair, Open Government Policy and Politics, Digital Government Research Conference, 2017

Membership

- IFIP WG9.4. Information and Digital Technologies for Development; Development Studies Association (DSA); Association of Information Systems (AIS); International Joint Conference on AI (IJCAI), AI for Social Good; Digital Government Society; KAIDEC; Korea Association of Science and Technology Studies; Korean Association of International Studies; World Bank Group/IMF Korean Staff Association.

Reviewer

- Sustainable Development, Technology Forecasting and Social Change, Information Systems Journal, Journal of the Association for Information Systems, Information Technology for Development, Information Technology and International Development, International Journal of E-Planning Research, Digital Government Research Conference, International Development Cooperation Review, Korean Social Science Journal, Korean Association of Science and Technology Studies Journal

KAIST

- G-School Steering Committee. Aug 2023 – present
- Center for Ambitious Failure. 실패연구소 운영위원회 Feb 2022 – present
- Chair, AI & Society, KAIST AI Institute. 인공지능연구원. 2021-present
- Global Leadership Program 글로벌리더십프로그램 연구위원회. Sep 2020 – Aug 2021
- KAIST Faculty Council, Steering Committee 교수협의회 운영위원회. Jul 2020 – Dec 2022
- College Academic Deliberation Committee 인문사회융합과학대학 학사심의회. Dec 2018 – Feb 2023
- Presidential Committee to Commemorate the 50th Anniversary 50주년기념사업회. Jul 19 – Feb 21
- Grad School of Science, Technology and Policy Dean Search Committee. Oct 2019 – Feb 2020

POLICY SERVICES

Government

- Advisory Committee of Science and Technology Diplomacy, Ministry of Foreign Affairs. 외교부 과학기술외교 자문위원회 위원 (2023.7-)
- Steering Committee for Internationalization of Science, Technology and ICT; Advisory Committee for Digital Policy. Ministry of Science and ICT. 과학기술정보통신부 과학기술·ICT 국제화사업 추진위원회 (2023.1-), 디지털정책 자문위원회 (2023)
- National Committee for International Development Cooperation, Chaired by Prime Minister 국무총리산하 국제개발협력위원회 평가전문위원 (2020.11-)
- National Committee for Evaluation of Open Data, Ministry of Interior and Safety 행정안전부 공공데이터 평가위원 (2019-2020)
- Chair, the Steering Committee of the Cooperation between the World Bank and KAIST (2020-)
- KOICA Committee for the 2030 Agenda, 한국국제협력단 Post-2030 아젠다 위원회 위원 (2020)
- KOICA Innovation Implementation Independent Panel. 한국국제협력단 혁신이행 독립패널 (2018-2021)

International

- Meta Platforms Inc. (구 Facebook) Forum on Metaverse Governance 전문가패널 (2022-)
- African Development Bank, 아프리카개발은행, Digital Economy and E-Government Committee (2020)

- Advisor to the Principal on the Reformation, Arusha Technical College, Tanzania. 2011-2012

Others

- Development Cooperation Inter-ministerial Strategic Committee 개발협력전략회의. 2021
- Inter-ministerial Task Force for establishing a statistical system for STI, ICT-ODA 과학기술-ICT ODA 통계체제 구축 범정부 Task Force. 2021
- Ministry of Science and ICT 과학기술정보통신부. 신남방지역 우수 연구자 유치 정책 기획. 2020
- Korea Research Institute for Vocational Education & Training 직업능력개발원. 외국인유학생 정책. 2020
- Science and Technology Policy Institute (STEPI) 과학기술정책연구원. 과학기술ODA 융합 기획. 2020
- African Development Bank – Digital Economy and E-Government Conference. 2019
- Advisory Member, NIA 정보화진흥원 Information Access Center. 2019, Global ICT Forum. 2018
- Ministry of Foreign Affairs (MOFA), 외교부 신남방정책 ODA 추진전략 위원회. Feb 2018
- Mentor, K-Move Initiative, KOICA. 2013

TEACHING

KAIST (all in English)

- STP601. Science, Technology and Public Policy. 2022 Fall, 2021 Fall, 2020 Fall
- STP501. Science, Technology and Globalization. 2020 Spring, 2019 Spring
- HSS332. Digital Transformation & Sustainable Development. 2022 Spring, 2020 Spring, 2019 Spring
- STP412. Science, Technology in Future Society. 2024 Spring, 2021 Spring
- STP411. Research Methodologies in Public Management. 2019 Fall
- STP483. Case Studies in STP: ICT and Development. 2018 Fall
- BGM552. Sustainable Development Policy (Business School). 2021 Fall.
- COE491. Smart Energy, Environmental Technology & Innovative Governance for Climate Crisis. 2022 Fall
- Global Leadership Program. 2021 Spring-present

LSE and University of London as a Teaching Assistant

- Information Systems for Organizations (IS2136); Management and Innovation of e-Business (IS3167); ICT and Socio-economic Development (DV483), 2014-2017

SUPERVISION

Current Members

- Ph.D. Students: Kim Seung Hyun 김승현; Kwon Junho 권준호
- Master Students: Sim, Jisoo 심지수 (currently working with the UNICEF Uzbekistan); May Myat Thwe; Woo, Yunji 우윤지

Thesis Supervision

- Park, Jiwon 박지원 “Understanding the Research Landscape of Digital Labour Platforms in Developing Countries and its Policy Implications”, M.S. Thesis, KAIST STP, defense in Jun 2021.
- Chung, Hyonsoo 정현수 “A Study of Coproduction for Information Sharing During COVID-19: Focusing on the Case of Citizen-Developed Map Services in Korea”, M.S. Thesis, KAIST STP, defense in Dec 2021.

INVITED TALKS

Invited Research Seminars (Selected)

- Asian Futures Forum, 2023-12
- University of Indonesia, 2023-10
- Japan International Cooperation Agency, Special Invited Seminar, 2023-10
- New York University, Digital Governance and AI Policy Research Group, 2023-09
- Japan Society for International Development Annual Conference Plenary Talk, 2022-11
- UNESCAP Asia-Pacific Digital Transformation Forum & Digital Ministerial Conference, 2022-10
- Cambridge University, Global Research Network International Workshop, 2021
- Institute of Basic Science, Data Science Group, 2021-02
- Chinese University of Hong Kong, Business School, 2019-04
- Seoul National University, Graduate School of International Studies
- Hong Kong University of Science and Technology, School of Public Policy
- Georgetown University, McDonough School of Business
- University of Science and Technology (USTC), School of Public Affairs
- Korea University, School of Business
- Harbin Institute of Technology, School of Economics and Management
- United Nations University Computing and Society (UNU-CS)

Invited Lecture and Panelist

- Nobel Prize Dialogue; World Knowledge Forum; Asia Futures Forum; SDGs Data Innovation Forum; KAIST-NYU Digital Governance Forum; World Bank Global Innovative Growth Forum; Asian Development Studies Forum; African Development Bank (AfDB) Conference on Digital Economy and E-Government; KAIST Summit; International Conference on AI Fairness; World Bank Knowledge Seminar; UN Woman International EQUALS Annual Meeting; Fourth High Level Forum on the Aid Effectiveness
- In Korea: 과학기술정보통신부, 중앙공무원교육원, 대전시인재개발원, 미래정부리더십센터, 경제인문사회연구회, 과학기술총연합회, 한국전자통신연구원 (ETRI), 지능정보사회진흥원(NIA), 정보통신정책연구원(KISDI), 한국국제협력단(KOICA), 서울대 자유전공학부, KAIST ESG 최고경영자과정, 제주포럼, 인사행정 ACCSM+3, 교육ODA컨퍼런스, 글로벌코리아컨퍼런스, 대한민국미래전망대회 등

AWARDS

2023	KAIST Impact Research Award, College of Liberal Arts and Convergence Science	임팩트연구상
2022	Minister of Interior and Safety, Certificate of Appreciation	행정안전부 장관 표창
2020	KAIST Teaching Innovation Award	강의혁신상
2018	Best Research Paper Award, Korea Standard Association	표준협회 우수논문상
2014-7	LSE PhD Research Studentship, Santander Doctoral Research Fund	
2016	'Valerie Gregg Scholarship Awards', Digital Government Society	
2013	British Chevening Scholarship	
2009	'Woo-Nam Syngman Rhee Fellowship', Seoul National University (SNU)	
2006	'Best Volunteer Award', Embassy of the Republic of Korea to the United Republic of Tanzania	

박경렬 | 朴慶烈 | Park, Kyung Ryul

한국과학기술원 (KAIST) 과학기술정책대학원 조교수

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학력

- 런던정치경제대학 (LSE) 정보시스템과 혁신 Information Systems and Innovation 박사 (2018)
- 하버드대학교 케네디스쿨 정책학 석사 (2010)
- 서울대학교 공과대학 화학생물공학부 학사, 사회과학대학 외교학 복수전공 (2004)

경력

- KAIST 과학기술정책대학원 조교수 (2018.9-), 경영대학 경영공학부 겸임교수 (2020-2023)
- KAIST 로보틱스 연구소 겸임교수 (2022-)
- KAIST-뉴욕대학교 디지털 거버넌스 & AI 정책 연구 클러스터 리드 (2023.2-)
- 일본 국립정책연구대학원 (政策研究大学院大学:GRIPS) 초빙교수 (2023)
- 국립인도네시아대학 Universitas Indonesia 방문연구원 (2023, 2015)
- KAIST AI Institute 인공지능연구원 AI & Society 사회위원회 위원장 (2021-22)
- LSE Department of Management 펠로우, 연구조교, 강의조교 (2013-18)
- 세계은행 Innovation Labs, Open Aid Specialist, Consultant (2010-14)
- 원조효과성을 위한 고위급 회담(Busan HLF-4) 세계은행 대표단 (2011)
- 하버드대학교 '과학과 국제관계'를 위한 벨퍼센터 (Harvard Belfer Center) 연구조교 (2010)
- 유엔지적재산권기구 (UN-World Intellectual Property Organization) 컨설턴트 (2009.5-8)
- 국제백신연구소 프로젝트 어시스턴트 (2007-08)
- 탄자니아 아루샤 기술대학 컴퓨터부 강사 (KOICA 국제협력봉사요원) (2004-07)

학술 활동

- 분야: 과학기술정책, 지속가능발전, 글로벌기술거버넌스, 과학기술국제협력, 디지털혁신
- 초청연구발표: 국립인도네시아대학 (2023), JICA-일본국제협력기구 (2023), NYU (2023), 유엔대학 Computing & Society (2023; 2017), 기초과학연구원-IBS (2022), 전자통신연구원-ETRI (2022), UNESCAP-유엔아태경제사회위원회 (2022), JASID-일본국제개발학회 (2022), Cambridge대 (2021), LSE (2020), AfDB-아프리카개발은행 (2019), 홍콩과기대 (2019), 중국과기대 (2018) 등
- Editorial Board, Journal of International Development Cooperation
- Track Chair, Policies and Strategies for Digital Government, 디지털정부의 정책 전략, HICSS
- Program Committee, 디지털기술과 발전 국제학회 (ICT4D)
- Program Committee, AI와 민주주의, 인공지능국제학회 (IJCAI)

강의

- KAIST: 과학기술정책론; 과학기술과 글로벌발전; 디지털전환과 지속가능발전; 기후위기 대응 에너지기술과 거버넌스; 정책연구방법론; 과학기술과 미래사회; ESG 최고위과정; 글로벌 리더십 (학부, 공동) · 정부: 국가공무원인재개발원, 미래정부리더십센터 등

정책 자문

- 외교부 과학기술외교 자문위원회 (2023.7-)
- 과학기술정보통신부 디지털정책 자문위원회, 과학기술·ICT 국제화사업 추진위원회, (2022.1-)
- Meta Platforms Inc. (구 Facebook) Forum on Metaverse Governance 전문가패널 (2022-)
- 국무총리산하 국제개발협력위원회 평가전문위 (2020.11-)
- 행정안전부 공공데이터 평가위원회 (2019-2020)
- 아프리카개발은행(AfDB) 디지털경제 및 전자정부 위원회 (2019)
- ETRI (전자통신연구원), STEPI (과학기술정책연구원), KISDI (정보통신정책연구원), KISTEP (과학기술기획평가원), NIA (지능정보사회진흥원) 연구개발정책 등 자문
- 한국국제협력단 Post-2030 아젠다 발전 위원회 (2020) 혁신이행위원회 (2018)
- 아프리카개발은행AfDB 디지털경제위원회 (2019) 유엔아태경제사회이사회UNESCAP (2022) 등

수상 및 기타

- KAIST Impact Research Award 임팩트 연구상 (2023)
- 행정안전부 장관 표창 (2022)
- KAIST 교육혁신우수상 (2020)
- 한국표준협회 우수논문상 (2018)
- Valerie Gregg Awards for Doctoral Students, Digital Government Society (2016)
- 주 탄자니아 한국대사관 표창장, 최우수 KOICA 자원봉사단원 (2007)
- 현장업무: 탄자니아 (2004-07), 인도 (2007-08), 케냐, 우간다 (2012-13), 캄보디아 (2013), 인도네시아 (2015-16) 등 기술혁신·ICT정책, 과학기술협력 분야 현장 연구 및 사업 책임

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