

DAEIN KANG

dkang341@gatech.edu • +1 (404) 259 4355 • [LinkedIn](#)

EMPLOYMENT

2026 – Present: Graduate Research Assistant, **Georgia Institute of Technology**

- Impact of climate and economy on mortality (2025-) with Dr. Tony Harding
- GROWER (Grid Resilience, Outage, Weather, & Emergency Response) Lab: Power outage and natural disasters (2024-2025) with Dr. Brian An

2026 – Present: GRO Intern, Computational Earth Sciences Group, **Oak Ridge National Laboratory**

- Temperature-Related Mortality Estimates Across Climate Datasets and Statistical, Dynamical, and AI-Based Downscaling Methods

2021 - 2024: Consultant, **Seoul Center for Finance and Innovation, The World Bank**

- Innovation policy and private sector development.

2021 - 2022: Intern, **Seoul Policy Centre, UNDP**

- Sustainable forestry practices and SDG Partnership projects on forestry.

2016 - 2020: Project Manager, International Cooperation Department, **APEC Climate Center**

- Managing joint research projects (FAO, climate impact on agriculture), international knowledge transfer programs on climate data utilization

2013 - 2015: Anglophone Cooperation Officer, International Cooperation Department, CISM World Games Organizing Committee, **Ministry of National Defence of Korea**

EDUCATION

2023 - Pres.: **Georgia Institute of Technology**, School of Public Policy (Ph.D., Public Policy)

Advisor: Dr. Brian An

Major: Energy and Environmental Policy | Minor: Earth & Atmospheric Sciences

2020 - 2021: **Institut d'études politiques de Paris** Sciences Po/Paris School of International Affairs (M.A., Advanced Global Studies (Development Practice))

2007 - 2011: **University of St Andrews** (M.A., International Relations (Honours))

RESEARCH INTERESTS

Energy and environmental policy, natural disasters, climate impacts, and power grid resilience

PUBLICATIONS

Kang, D., Kim, J. Thu, M. K., An, B. (2026). "How National Nuclear Energy Plans Frame Small Modular Reactors (SMRs): Evidence from Natural Language Processing of Global Policy Documents" *Environmental Research Letters*. Vol. 21, No. 15. 10.1088/1748-9326/ae8e92.

Aridi, A., Kim, K., Lee, J., Shin, N., Kang, D. (2023) Lessons from Korea's Energy Efficiency Policies in the Industrial Sector (English). Finance, Competitiveness and Innovation Global Practice. Washington, D.C. World Bank Group.
<http://documents.worldbank.org/curated/en/099906108172338225/IDU0f7ebfd9b0df990435a0940f0d7abeaf292dc>

Han, J., Jang, I., Kang, D., Baek, M., Kanamaru, H., Kim, K., (2020) "A collective vision for agriculture climate services in the Asia-Pacific region." Bulletin of the American Meteorological Society

Cho, J., Jung, I., Cho, W., Lee, E., Kang, D., Lee, J. (2018) "Suggestion of User-Centered Climate Service Framework and Development of User Interface Platform for Climate Change Adaptation." J. Climate Change Res. Vol. 9, No. 1

WORKING PAPERS AND RESEARCH IN PROGRESS

"Administrative Burden and Inequity in Disaster Recovery: Evidence from Large-Scale FEMA Assistance Administrative Dataset" with Dr. Brian An (Georgia Tech).

"Temperature-Related Mortality Estimates Across Climate Datasets and Statistical, Dynamical, and AI-Based Downscaling Methods." (2026). Research in progress with Dr. Moetasim Ashfaq (Oak Ridge National Laboratory).

"Grid Reliability or Resilience? Natural Disasters and Comparative Analysis in Four Southeastern US States" with Dr. Brian An (Georgia Tech).

"Unpacking threshold parameters for declaration of natural disasters due to hurricanes"

"Global Development for Clean Hydrogen Policies and Governance" with Dr. Brian An (Georgia Tech) Jenny (Ahyun) Jung (Seoul National University), Mintiben Patel (Georgia Tech).

PRESENTATIONS AND POSTERS

"Who Holds the Proof? Housing Tenure, Documentation, and Administrative Burden in Federal Disaster Assistance." Association for Public Policy Analysis and Management (APPAM) Annual Fall Research Conference, Boston, MA, November 5, 2026. Panel: Power, Protection, and Precarity: Evaluating Interventions in Housing Stability.

"Building Resilience through Equity: A 20-Year Analysis of FEMA Disaster Assistance and Structural Disparities." APPAM Fall 2025, Seattle, WA, November 13, 2025. Panel: Disaster Aid, Equity, and Electoral Disruptions: Analyzing the Impact of Climate Hazards and Government Responses.

"Small Modular Reactors (SMRs) and Smart Energy Cities: Techno-Socioeconomic Analysis of Global Energy Plans" Atlanta Conference on Science and Innovation Policy 2025