Juyub Kim

#D1013, Engineering Bldg. 4, Yonsei University
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Employment

FNC Technology
>   Department of Radiation & Environment
>   Researcher, 2011 - 2019
>   Department of Nuclear Decommissioning
>   Manager, 2019 - Present

Education

Yonsei University
>   PhD Program in Industrial Engineering, 2022 - Present

Seoul National University
>   MS in Nuclear Engineering, 2011 - 2013
>   Thesis: Experimental Study of Gas Migration through Concrete in Radioactive Waste Disposal Facility
>   BS in Nuclear Engineering, 2002 - 2011

Research Interests

Asset Pricing, Econophysics, AI in Finance, Energy

Publications

Intelligent nuclear decommissioning solution: Code for site characterization and management of overall surveys
>   Hyungi Byun, Jong Dae Park, Sihyun An, Jinu Kim, Juyub Kim, Doo Yong Lee, Bongsoo Lee
>   Annals of Nuclear Energy, Volume 196, February 2024

Scaling behavior and text cohesion in Korean texts
>   Hokyun Kim,Sanghu Park,Minhyuk Jeong, Hyungi Byun, Juyub Kim, Doo Yong Lee, Jooyoung Jeon, Eojin Yi, Kwangwon Ahn
>   PLoS ONE, 18(8), August 2023

Development of safety assessment code for decommissioning waste recycling and disposal
>   Hyungi Byun, Juyub Kim, Tae Bin Yoon, Jae Won Park
>   Radiation Protection Dosimetry, ncac246, December 2022

Development of Northeast Asia Nuclear Power Plant Accident Simulator
>   Juyub Kim, Juyoul Kim, Li-Chi Cliff Po
>   Radiation Protection Dosimetry, Volume 175, Issue 2, June 2017, Pages 217–227

Experiment on gas entry pressure and gas permeability of concrete silo for a low- and intermediate-level waste disposal facility in Korea
>   Juyub Kim, Juyoul Kim, Haeryong Jung, Jae-Chul Ha
>   Nuclear Engineering and Design, Volume 265, December 2013, Pages 841-845

Gas threshold pressure and gas permeability of silo concrete specimens for a low- and intermediate-level waste disposal facility in Korea
>   Juyub Kim, Juyoul Kim, Haeryong Jung, Jae-Chul Ha, Eun-Hee Kim
>   Annals of Nuclear Energy, Volume 55, May 2013, Pages 1-8

Seminar/ Conference Presentations

2023

American Nuclear Society Winter Meeting, Washington D.C., USA
DECON 2022 (online), Germany

2022

Korean Nuclear Society Spring Meeting, Jeju, Korea
DECON 2022 (online), Germany

2021

Korean Radioactive Waste Society Autumn Conference, Jeongseon, Korea
Korean Nuclear Society Autumn Meeting, Changwon, Korea
DECON 2021 (online), Germany

2019

Korean Nuclear Society Spring Meeting, Jeju, Korea

2018

Korean Nuclear Society Autumn Meeting, Yeosu, Korea
Korean Nuclear Society Spring Meeting, Jeju, Korea

2017

Korean Nuclear Society Autumn Meeting, Gyeongju, Korea
ICRP-ERPW, Paris, France

2016

International Congress on Advances in Nuclear Power Plants, San Francisco, CA, USA
36th Annual Conference of the Canadian Nuclear Society, Toronto, ON, Canada
Korean Nuclear Society Autumn Meeting, Gyeongju, Korea
Korean Radioactive Waste Society Autumn Conference, Jeju, Korea
Korean Nuclear Society Spring Meeting, Jeju, Korea

2015

Korean Nuclear Society Autumn Meeting, Gyeongju, Korea
Korean Radioactive Waste Society Spring Conference, Songdo, Korea
Korean Association for Radiation Protection Spring Conference, Yeosu, Korea
Korean Nuclear Society Spring Meeting, Jeju, Korea

2014

Korean Nuclear Society Autumn Meeting, Yeosu, Korea
Korean Nuclear Society Spring Meeting, Jeju, Korea

2013

15th International Conference on Environmental Remediation and Radioactive Waste Management, Brussels, Belgium
Waste Management 2013 Symposia, Phoenix, USA

2012

12th International Conference on Radiation Shielding (ICRS12), Nara, Japan
Korean Nuclear Society Autumn Meeting, Gyeongju, Korea
Korean Nuclear Society Spring Meeting, Jeju, Korea
Korean Radioactive Waste Society Spring Conference, Changwon, Korea

2011

8th International Symposium on Radiation Safety Management (ISRSM), Gyeongju, Korea
Korean Association for Radiation Protection Autumn Conference, Yeosu, Korea

Honors and Awards

Seoul National University
  Scholarship, 2007 - 2010

Patents

Intelligent Management System and Method for Nuclear Decommissioning Site Characterization
  South Korea, 2023

Aerosol and radiation integrated detection device of radioactive aerosol
  South Korea, 2021

Real-time simultaneous monitoring system for aerosol and radiation of radioactive aerosol
  South Korea, 2021

Educational and Training Simulation System for Emergency Response to Nuclear Accidents in
Neighboring Countries
  South Korea, 2017

Skills

Languages
  Korean, English

Computer Languages and Statistical Packages
  C#, Python, C++, Fortran, Matlab, R

Editing Skills
   LaTex

Other Employment

Military Services, Korean Augmentation To the United States Army, 2004 - 2006

References

Kwangwon Ahn
  Yonsei University
    k.ahn@yonsei.ac.kr

Eun-hee Kim
  Seoul National University
    eunhee@snu.ac.kr