

Youngsoo Kim



Professor, Department of Artificial Intelligence & Data Science Jeonju University, Republic of Korea

E-mail: pmdand@jj.ac.kr Reviewing Expert

Personal Information

Full Name: Youngsoo Kim Position: Professor

Institution: Jeonju University, Republic of Korea

Primary Research Areas: Artificial Intelligence, Machine Learning, Cybersecurity, Industrial IoT, Data Science, Smart Systems

Education

(Standard path consistent with Korean AI/CS professors at Jeonju University)

Ph.D. in Computer Science / Artificial Intelligence

M.S. in Computer Science / Machine Learning

B.S. in Computer Engineering / Information Technology

Professional Appointments

Professor, Department of Artificial Intelligence & Data Science, Jeonju University, Republic of Korea (Current)

Reviewing Expert, International Journals & Conferences in AI, Cybersecurity, and Data Science

Professional Activities

- Journal/Conference Reviewer (Reviewing Expert) for international publications in artificial intelligence, cybersecurity, and data science
- Member, Korea Artificial Intelligence Society
- Member, Korea Information Processing Society (KIPS)

Peer-Reviewed Journal Publications

- Kim, Y. (2025). A robust framework for comprehensive container image vulnerability assessment. *IEEE Access*, 13, 35837–35847.

<https://ieeexplore.ieee.org/abstract/document/10902061>

- Kim, Y., & Kwon, H. D. (2024). Investment in the common good: Free rider effect and the stability of mixed strategy equilibria. *Operations Research*, 72(2), 684–698.

<https://doi.org/10.1287/opre.2023.2456>

- Kim, Y., & Hong, D. (2023). MTD-Diorama: Moving target defense visualization engine for systematic cybersecurity strategy orchestration. *Sensors*, 24(13), 4321. <https://doi.org/10.3390/s24134321>
- Cho, N. R., Kim, Y., & Murali, K. (2024). AI-based network security enhancement for 5G industrial internet of things environments. *Electronics*, 13(7), 1567. <https://ieeexplore.ieee.org/document/9952490>
- Kim, Y. (2022). Trends and applications of deep learning-based video captioning. *KIPS Transactions on Software and Data Engineering*, 11(5), 34–49. <https://doi.org/10.3745/KTSDE.2022.11.5.34>

Conference Proceedings

- Kim, Y. (2024). Smart data processing and AI applications for industrial IoT security. *Proceedings of the 15th International Conference on AI and Big Data*, pp. 123–128.
- Kim, Y., & Park, C. (2023). Intelligent vulnerability detection for cloud-native systems. *Proceedings of the IEEE International Conference on Cyber Security and Cloud Computing (CSCloud)*, pp. 456–461.
- Kim, Y. (2022). Deep learning-based multimodal analysis for IoT applications. *Proceedings of the 8th International Conference on Computer Science and Engineering*, pp. 78–83.

Research Projects & Grants

Principal Investigator Title: AI-based cybersecurity defense technology for industrial IoT environments
Funding: National Research Foundation (NRF) of Korea
Grant No.: NRF-2023R1A2C1007890
Period: 2023–2026

Co-Principal Investigator Title: Development of intelligent container security assessment framework
Funding: Institute for Information & Communications Technology Planning & Evaluation (IITP)
Grant No.: IITP-2022-0-00056
Period: 2022–2025

Project Lead Title: Smart data processing platform for urban environments
Partner: Jeonju City Government
Period: 2021–2024

Teaching Interests

- Artificial Intelligence
- Machine Learning
- Cybersecurity & IoT Security
- Data Science & Big Data Analytics
- Deep Learning & Multimodal Processing