CURRICULUM VITAE

***(a) Name**: Kap Hwan Kim*

Professor
Maritime Logistics and Free Trade Islands Research Center,
Ocean College,
Zhejiang University
No.1 Zheda Rd, Zhoushan Campus, Zhoushan, 316021, Zhejiang, P.R. China

Professor Emeritus
Department of Industrial Engineering, Collegem of Engineering,
Pusan National University
Gumjeong-gu, Busan, Korea

***(b) Academic qualifications**:* BS from (Industrial Engineering) Seoul National University, Korea (1977) and Ph.D. (1987) & MS (1979) from (Industrial Engineering) Korea Advanced Institute of Science and Technology, Korea

(c) Previous academic positions held:
Feb. 2021 – Present: Fellow of The Korean Academy of Science and Technology
Jan. 2013 – Dec. 2014, President, Korean Institute of Industrial Engineers
Nov .2007 –Nov. 2013: Director of Institute of Logistics Innovation and Networking, Pusan National University
March, 1984 – August, 2020: a faculty member at Pusan National University

(d) Previous relevant research work
Research works are related to technology development on various types of logistics systems. Specifically, they include the optimal design of container terminals, design of logistics systems, development of terminal operation systems, and automated container terminals.

(f) Publication records : papers in international journals during recent years

Xuehao Feng, Yucheng He, Kap-Hwan Kim, Space planning considering congestion in container terminal yards, Transportation Research Part B 158 (2022) 52–77

Kap Hwan Kim, Youn Ju Woo, Jae Gwan Kim, Space reservation and remarshalling operations for outbound containers in marine terminals, Maritime Economics & Logistics, **23**, 154–178 (2021). https://doi.org/10.1057/s41278-019-00125-7

Kim, K.H., Haralambides, H. Smart operations planning in container terminals: integrating algorithms with our practical knowledge base. *Marit Econ Logist* **23,** 1–3 (2021). https://doi.org/10.1057/s41278-020-00174-3

Kim, K.H., Yi, S. Utilizing information sources to reduce relocation of inbound containers. *Marit Econ Logist* **23,** 726–749 (2021). https://doi.org/10.1057/s41278-021-00189-4

Zhou, P., Lin, L. & Kim, K.H. Anisotropic Q-learning and waiting estimation based real-time routing for automated guided vehicles at container terminals. *J Heuristics* (2021). https://doi.org/10.1007/s10732-020-09463-9

Yanjie Zhou and Kap Hwan Kim, Optimal parameters in concession contracts between container terminal operators and investors, International Journal of Logistics: Research and Applications, https://doi.org/10.1080/13675567.2020.1754772, 2020

Yanjie Zhou and Kap Hwan Kim, Optimal concession contract between a port authority and container-terminal operators by revenue-sharing schemes with quantity discount, Maritime Policy & Management, https://doi.org/10.1080/03088839.2019.1707314, 2020

Yanjie Zhou and Kap Hwan Kim, A game theoretic model and a coevolutionary solution procedure to determine the terminal handling charges for container terminals, Computers & Industrial Engineering, vol. 144, June 2020, 106466, https://doi.org/10.1016/j.cie.2020.106466

Sanghyuk Yi, Bernd Scholz-Reiter, Taehoon Kim, Kap Hwan Kim, "Scheduling appointments for container truck arrivals considering their effects on congestion," Flexible Service and Manufacturing, 31(3), 2019, 730-762

Xuefeng Jin, Kap Hwan Kim, Storage Space Sharing among Container Handling Companies, Transportation Research Part E 127, 111-131, 2019

Xuefeng Jin, Kap Hwan Kim, Collaborative Inter-terminal Transportation of Containers, Industrial Engineering & Management Systems, 17(3), 407-416 (2018)

Ming Yin, Zheng Wan, Kap Hwan Kim, Shi Yuan Zheng, An optimal variable pricing for container line revenue management systems, Maritime Economics and Logistics, 21, 173-191 (2019). DOI 10.1057/s41278-017-0082-8

Books

Kap-Hwan Kim, Planning and Operation of Container Terminals, Elsevier, Netherlands, 2024

(g) Other academic activities in recent years

Keynote speech, The 3rd IEEE International Conference on Automation in Manufacturing, Transportation, and Logistics (ICaMaL 2023), Automation in Port Container Terminals, Nov. 4, 2023, Wuhan, China.

Keynote presentation, MHCL 2022, Resource sharing at container ports, Dec 14-16, Bar, Montenegro

Invited Talk, KMI-KSA Foreign Scholar Invitation Seminar, IAME 2022, Presentation title: Reducing Impacts of Pandemic on Container Ports by Technologies, Session title: Post COVID-19 Shipping Port Economic Outlook, September 15, 2022, BEXCO, Busan Korea

Invited Talk at Plenary session, IAME 2022, Technological Issues for Smart Container Terminals, September 16, 2022, BEXCO, Busan Korea

Invited Talk, the 5th Logistics International Conference (LOGIC 2022), Smart Terminal Operation System, Belgrade, Serbia, 26-27, May 2022

Guest Editor for Special Issue of the *Transportation Research Part E: Logistics and Transportation*, Emerging Opportunities and Challenges of Maritime Logistics - Automation, Digitalization, and Artificial Intelligence, 2021

Conference chair, the 10th international conference on logistics and maritime systems (LOGMS 2021) Zhoushan, China, 28-31 October, 2021

Keynote speech, Smart Operation of Container Terminals, YLIB-4, Wuhan, 2021, Oct.

Guest editor, Kap Hwan Kim and Hercules Haralambides, Smart Operations Planning in Container Terminals: Integrating Algorithms with our Practical Knowledge Base, Maritime Economics & Logistics, Volume 23, issue 1, 2021, March

Invited talk, Issues on terminal operation and design, Korea Maritime Institute, NELT colloquium, July, 2020

Guest editor, Ho Thanh Phong, Voratas Kachitvichyanukul, Kap Hwan Kim, Vincent F. Yu, Mitsuo Gen, Models and algorithms for supply chain systems, Computers & Industrial Engineering, 2019, March

Guest editor, Special issue on “Operations Analytics and Optimization for Smart Industry”, Frontiers of Engineering management, 2017

Guest editor, Kjetil Fagerholt, Kap-Hwan Kim, Chung-Yee Lee, Qiang Meng, Xiangtong Qi, Special Issue on Ocean Transportation Logistics: Making Global Supply Chain Effective, FLEXIBLE SERVICES AND MANUFACTURING, 2017