

Announcement of Tenure Track Faculty Position on Smart Manufacturing

Nov. 20 ~ Dec. 19, 2023

Department of Industrial & Systems Engineering (ISysE) at KAIST invites applications for **tenure-track faculty positions at the levels of Assistant/Associate/Full Professor**. We are actively seeking candidates who are truly interested in defining the future of manufacturing industries. Detailed research areas in Smart manufacturing are listed below:

- ✓ shaping manufacturing systems for 2050: beyond lean production
- ✓ key enabling technology components for smart manufacturing
 - * digital twin and virtual manufacturing
 - * intelligent process & quality control
 - * AR/VR/MR for manufacturing
 - * human-robot collaboration
 - * AI-based robot control: task-planning, path-planning, teaching, etc.
 - * advanced logistics for manufacturing plants
- ✓ production and operations management for autonomous production system
- ✓ applications of data science/machine learning/artificial intelligence toward manufacturing industry
- ✓ knowledge-based design automation at various levels
- ✓ other emerging fields relevant to next generation manufacturing system

Industrial or academic experience will be considered preferably, and students who are expected to complete their PhDs within 9 months from the application date will also be considered. Application documents (of official form) along with an up-to-date CV and (up to 3) representative papers should be sent to:

Professor Hayong Shin (Hiring committee chair)
Department of Industrial & Systems Engineering, KAIST
Email: hyshin@kaist.ac.kr

Applications are considered on a rolling basis until the positions are filled, and are reviewed in a monthly batch. We strongly recommend applying at your earliest convenience.

If you have further inquiries regarding this faculty position announcement such as targeting areas, you may contact Prof. Hayong Shin at hyshin@kaist.ac.kr.