

Tenure Track Faculty Position Announcement
by
Graduate School of Data Science (GSDS)
and Industrial & Systems Engineering Department (ISysE)
of KAIST

July 25 ~ Aug 31, 2023

Graduate School of Data Science (GSDS) and **Department of Industrial & Systems Engineering (ISysE)** at **KAIST**^a invites applications for **tenure-track faculty positions at the levels of Assistant/Associate/ Full Professor**. KAIST GSDS^b is a recently established graduate (MS and PhD) program, prepared by a joint team of KAIST faculty with the lead of ISysE department^b.

We are actively seeking candidates who are truly interested in building a strong graduate program on data science, defining the future of manufacturing/service industries and/or the human-centric engineering field. In this term of recruit, we would like to invite the following areas:

- **Mathematical and computational techniques for modeling and analysis**
 - ✓ statistics, AI, machine learning
 - ✓ optimization (continuous or discrete/combinatorial)
 - ✓ probabilistic / stochastic model
 - ✓ simulation (modeling, implementation, analysis)

- **Human-centric engineering**
 - ✓ collaboration between human and AI/robots, human-integrated systems
 - ✓ human-computer interaction, human-machine interaction, data/information visualization
 - ✓ human factors, ergonomics in physical & cyber environment
 - ✓ data-driven human behavior modeling and human-data interaction
 - ✓ cognitive science in decision making, behavioral OR/OM
 - ✓ application of human-centric engineering in industrial or social problems in such areas as manufacturing, financial services, medical and healthcare services, legal services, public services, etc.
 - ✓ other emerging field relevant to human-centric engineering

- **Manufacturing systems engineering**

- ✓ manufacturing systems for 2050: beyond lean production
- ✓ production and operations management for autonomous production system
- ✓ key enabling technology components for smart factory
 - * digital twin and virtual manufacturing
 - * human-machine collaboration, AR/VR/MR
 - * intelligent quality control
 - * advanced logistics
- ✓ human-centric manufacturing
 - * digital twin and virtual manufacturing
- ✓ Applications-oriented research in key industry sectors incl. semiconductor, automotive, shipbuilding, etc.
- ✓ Other emerging fields relevant to next generation manufacturing system

- **Applications-oriented decision science to solve industrial or social problems**

- ✓ healthcare analytics, financial engineering, business analytics for societal problems
- ✓ decision making under uncertainty in various applications

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 Taesik Lee (Hiring committee)

Department of Industrial & Systems Engineering, KAIST

Email: taesik.lee@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. Taesik Lee at taesik.lee@kaist.ac.kr.

^a KAIST (Korea Advanced Institute of Science and Technology) is a globally renowned science and technology institution, particularly well known for its excellence in engineering and technology. The institute is

dedicated to promoting a vibrant academic culture and offers an internationally-minded environment through ways such as teaching all courses in English. You can find more about KAIST at <http://kaist.ac.kr>

^b For general information about the Department of Industrial & Systems Engineering at KAIST, please visit <http://ise.kaist.ac.kr> and also <http://gsds.kaist.ac.kr>

KAIST 산업 및 시스템공학과 전임직 교원 초빙 공고

한국과학기술원 산업및시스템공학과와 데이터사이언스 대학원에서 아래와 같이 전임직 신입 교원을 초빙합니다.

■ 모집 부문

모집 직종	모집전공(초빙분야)*	고용형태	채용인원	채용구분	근무지
전임직 교원	<ul style="list-style-type: none"> - Modeling and analysis methodologies - Human-centric engineering - Manufacturing systems engineering - Application-oriented research 	정규직	0명	신입, 경력	대전 본원

- **Mathematical and computational techniques for modeling and analysis**
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■ 응시자격 및 우대사항

1. 응시자격

- 우수한 연구 업적을 보이며 교육 및 연구에서 발전 가능성이 큰 인재
- 새로운 분야, 학문간 공동 연구, 산업체 협력 연구 등에 크게 기여할 수 있는 인재
- 학생 참여 중심의 다변화된 교육모델 적용 수업을 실천할 수 있는 인재
- 영어 강의 가능
- 초빙 분야에서 박사학위를 취득한 인재 또는 취득 예정자

※ 단, 박사학위 취득 예정자는 지원일 기준으로 9개월 이내에 최종논문심사에 통과 (지도교수 추천서 제출) 할 수 있는 자로서 임용일 전에 박사학위 취득이 가능하여야 함

2. 우대사항

- 외국인 및 여성과학자 (동일 점수 시 외국인 및 여성 채용)

3. 결격사유

- 국가공무원법 제 33 조의 각 호의 1 에 해당하는 자
- 법률에 의하여 공민권이 정지 또는 박탈된 자
- 병역법 제 76 조에 따른 병역의무 불이행자
- 아동·청소년의 성보호에 관한 법률 제56조에 의해 취업제한 명령을 받은 자
- 다른 공공기관에서 부정한 방법으로 채용된 사실이 적발되어 채용취소 또는 면직된 자로서 처분 일자로부터 5년이 경과하지 않은 자
- 부패방지 및 국민권익위원회의 설치와 운영에 관한 법률 제82조에 따른 비위면직자로서 취업제한 대상자

■ 전형절차/방법

- 1 차: 서류심사
 - 2 차: 학과 심층심사
 - 3 차: 학과 세미나 및 학과 교원인사심의회 심의
 - 4 차: 단과대학 교원인사심의회 및 본부 교원인사위원회 심의 후 최종임용 결정
(정년보장 부교수 및 교수 채용 시 본부 교원인사위원회 심의)
- * 각 단계별 합격자에 한하며 해당자는 개별 연락

■ 모집공고 및 접수기간:

* 지원서 접수기간: 2023년 7월 25일(화) ~ 2023년 8월 31일(목)

■ 제출서류

- KAIST 전임직 교원 임용지원서(첨부 양식): 주요 업적요약서, 강의계획서, 연구계획서, 개인정보 수집·이용에 대한 동의서 포함 (학술연구실적은 그 내용을 포함하는 CV로 대체 가능)
- 대표논문 3 편 이내
- 이력서(CV)
- 추천서 (조교수/부교수 3 부, 정교수/정년보장 6 부): 1 차 합격자에 한해 개별 요청하며, 추천서는 추천인이 학과로 직접 송부

■ 지원서류 접수 방법

- E-mail 제출: taesik.lee@kaist.ac.kr (교원서치커미티, 이태식 교수)

■ 기타사항

- 임용지원서 및 제반서류에 심사에 편견이 개입될 수 있는 사항 (출신학교명, 출신지역, 외모(사진, 신체조건), 연령, 가족관계 등)이 직·간접적으로 드러나지 않도록 유의

- 지원자 중 적격자가 없을 경우 임용예정자 선발을 하지 못하는 경우가 있을 수 있으며, 임용예정 시기가 조정될 수도 있음.
- 제출된 지원서류는 인비 처리되고 일체 반환하지 않으며, 기재된 내용이 사실과 다르거나 허위 사실임이 판명되었을 때는 무효 및 임용을 취소 함.
- 학과에 임용 추천 시 성적증명서, 학위증명서, 경력증명서 등 제출 필요

■ **관련 문의:** 이태식 교수 (T. 042-350-3126, taesik.lee@kaist.ac.kr)
/산업 및 시스템공학과 행정실 (T.042-350-3102, jongjong@kaist.ac.kr)