School of Mechanical and Automotive Engineering, Kunsan National University, Miryong-dong 63, Gunsan, Jeonbuk 573-701, Korea
Phone: 82-63-469-4725 Fax: 82-63-469-4727

Opportunity to Study and Research on Intelligent Autonomous Systems Design and Control at Kunsan National University in Korea

Smart Autonomous Systems (SAS) laboratory (http://aiascenter.kr) at Kunsan National University in Korea has opening positions for MSc or PhD candidates. The main research area of the SAS lab includes autonomous systems from robots to self-driving smart car, requiring the state-of-art technology such as machine and deep learning, embedded control system design, integrated navigation, sensor fusion, fault detection and control, etc. Kunsan National University (http://www.kunsan.ac.kr) is located in Gunsan, which is one of the most beautiful harbor cites in Korea, near to Seoul, Korea.

Thus, students who have interest in those fields are encouraged to apply for the position.

- MS course : $ 1,200/month or more will be funded (depending on his/her works).
- PhD course : $1,300/month or more will be funded (depending on his/her works).
- Postdoc will be welcomed as well, and salary will be negotiated.
- tuition will be supported as well, but it will be dependent on research career and students

Applicants should send copies of the following by email to deokjlee@kunsan.ac.kr **as soon as possible.**

1) CV with picture (applicant for PhD and MSc)
2) Certificate of record for undergraduate courses (applicant for PhD and MSc)
3) Certificate of record for graduate courses (applicant for PhD)
4) MSc thesis (applicant for PhD)
5) BSc thesis (applicant for MSc). If not available, the report for the graduation project (or the capstone design) is acceptable.
6) Journal or conference papers, if any.

Research topics

1. Autonomous Systems Design

- Embedded Programming with C/C++, Python
- Microprocessor Programming and Applications
- Intelligent Control: Neural Networks, Fuzzy, Genetic Algorithms….

2. Machine and Deep Learning

- **Deep Learning** with Vision Systems (Depth, Mono Camera, Lidar)
- **Deep Reinforcement Learning** for Collision Avoidance, Navigation and Control

Preference

- Experiences of Deep Machine Learning, Embedded control design for autonomous robots
- Experienced in programming language such as Python, C/C++, and LabVIEW

Deok-Jin Lee, Professor
School of Mechanical and Automotive Engineering
Smart Autonomous Systems Lab (http://aiascenter.kr), Kunsan National University, Gunsan, Korea
Phone: +82 63 469 4725, Fax: +82 63 469 4727, Email: deokjlee@kunsan.ac.kr