

Department of Civil and Environmental Engineering

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1. Introduction

Civil and environmental engineering is an indispensable field of engineering for human life and industrial activities. It provides society with infrastructures in relation to housing, industry, transportation, etc. Its research subjects are to enhance human well-being and to protect, improve and effectively develop natural resources and environments. Accordingly, civil and environmental engineers are involved in planning, designing, constructing, managing and maintaining infrastructure systems such as highways, railroads, airports, tunnels, bridges, harbors, dams, offshore structures, manufacturing plants, and underground facilities, as well as environmental management systems, water and wastewater treatment systems, and solid waste management systems.

Our department pioneers the new research areas by combining IT and robotics to civil and environmental engineering. And smart transportation systems for sustainable society, next generation air transportation system, transportation infrastructure as a main social infrastructure are researched in parallel.

2. Introduction to the Department of Civil and Environmental Engineering

The Department of Civil and Environmental Engineering at KAIST was established in August 1982. Currently the department offers undergraduate and graduate programs. The mission of Department of Civil and Environmental Engineering is to contribute to the advancement of the profession, in Korea, and the world by: providing outstanding educational opportunities; performing ground breaking interdisciplinary research; developing innovative technologies; participating in international collaborations and activities; and promoting service, leadership and entrepreneurship by the faculty and students to address the complex technical and social needs of the present and the future. Our ultimate goal is to be a world leader and to produce world leaders in research, entrepreneurship, innovation, service and education in the areas of Civil, Architectural, Urban and Environmental engineering.