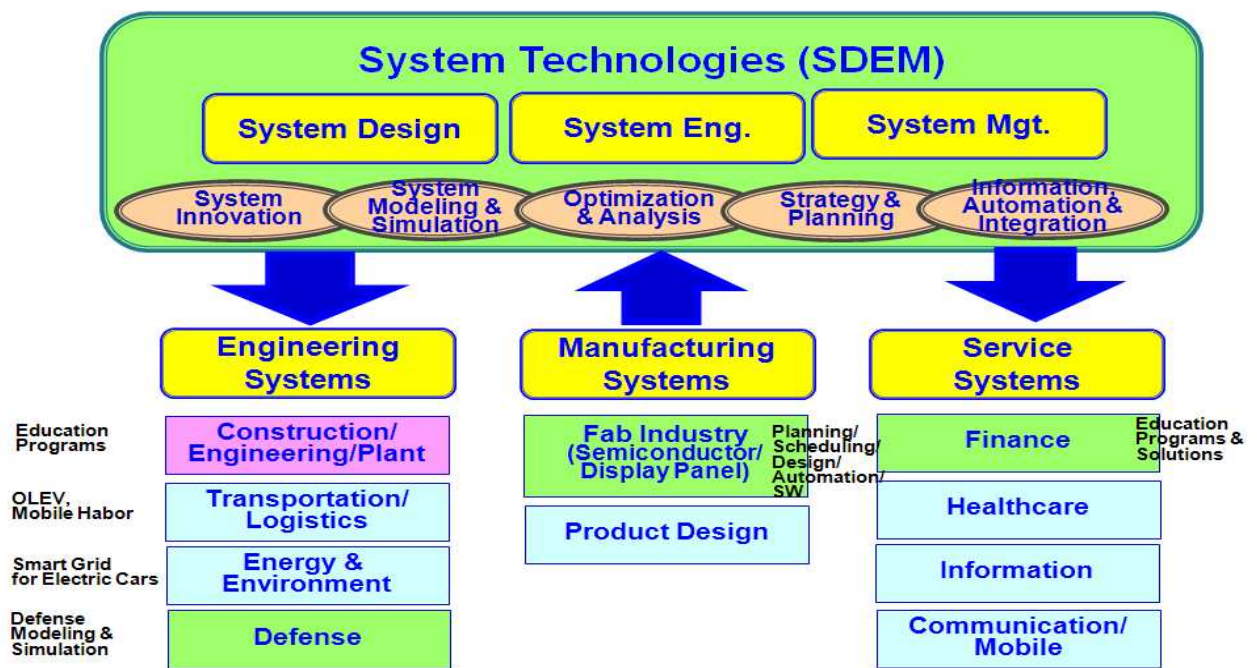


The problem areas of ISysE include manufacturing and service systems or enterprises and public or engineering systems. For manufacturing, ISysE focuses on high-tech manufacturing such as semiconductor/LCD manufacturing and mobile device manufacturing rather than conventional one, product design & development rather than production, and manufacturing & business innovation. The strategic focus of the service discipline is on financial services and medical services as well as telecommunication/mobile communication services and business information systems. The public systems include defense modeling & simulation systems, sustainable systems, and large engineering systems as well as transportation & supply chain systems. ISysE deals with system design & modeling, system optimization & analysis, system strategies and planning, and system information integration of such systems. The concept of ISysE can be summarized in the figure below.

As of December 2009, the department has 15 full-time faculty members, three emeritus professors, three adjunct professors, and four staff members. The department is continually recruiting new faculty members to reach 25 faculty members.

The department offers undergraduate, master and doctoral programs. The average numbers of undergraduate, master, and doctoral students each year are 40~60, 30~40, and 10~15, respectively. The graduates are working at almost every industry and research institutes. There are many successful graduates, including many CEOs and senior directors, especially in leading companies for consulting, information services, electronics & high-tech manufacturing, telecommunication/mobile communication services, and financial & investment services, national research institutes, and the government.



ISysE Model

As of year 2012, the department has 18 full-time faculty members, Four emeritus professors, 3 visiting professors, and three adjunct professors, The department is continually recruiting new faculty members to reach 25 faculty members.

The department offers undergraduate, master and doctoral programs. The average numbers of undergraduate, master, and doctoral students each year are 40~50, 30~40, and 10~20, respectively. The graduates are working at almost every industry and research institutes. There are many successful graduates, including many CEOs and senior directors, especially in leading companies for consulting, information services, electronics & high-tech manufacturing, telecommunication/mobile communication services, and financial & investment services, national research institutes, and the government.