

ECSE 575. HETEROGENEOUS INTEGRATION SYSTEMS.

Credits: 3

Offered by: Electrical & Computer Engr (Faculty of Engineering)

This course is not offered this catalogue year.

Description

Discussion of high performance heterogeneous integration systems. Introduction to key design challenges, including interconnect, power delivery, synchronization, and testing, with respect to heterogeneous systems. Analysis of state-of-the-art integration platforms, such as three-dimensional integrated circuits, wafer-scale integration, and flexible substrates with respect to applications of interest. System-level perspective of the integration hierarchy (i.e., integrated circuit, package, and board).

- Prerequisites: ECSE 335 or permission of instructor.

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