

ECE 8455: Adv. Digital Des. Using FPGAs

Introduces students to advanced digital design and implementation using FPGAs (Field-Programmable Gate Arrays). Topics include VHDL & Verilog, FPGA architectures, programming technologies, design methodologies, simulation and synthesis, place and route, and timing analysis, which board and EDA tools are used to help students gain hands-on experience. Prerequisite: Digital/logic design and VHDL basics.

Credits: 3.0