

# EECS 221: System-on-Chip Software Synthesis Lecture 5

Rainer Dömer

doemer@uci.edu

The Henry Samueli School of Engineering  
Electrical Engineering and Computer Science  
University of California, Irvine

## Lecture 5: Overview

- Embedded Software
  - Execution Times
  - Embedded Operating Systems
    - Real-time Operating Systems (RTOS)
  - Scheduling
    - Aperiodic scheduling

## Embedded Software

- Chapter 4, part 1, of  
*“Embedded System Design”*  
by P. Marwedel (Univ. of Dortmund, Germany),  
Kluwer Academic Publishers, 2003.

- `es-marw-4a-aperiodic.ppt`