Welcome Aboard!

Jin-Soo Kim (jinsookim@skku.edu)
Computer Systems Laboratory
Sungkyunkwan University
http://csl.skku.edu
Course Information

- ICE3028: Embedded Systems Design (3 credits)
- 15:00 – 16:15 (M), 12:00 – 13:15 (Th)
- Room #400102, Semiconductor Bldg.
- Course homepage
  [http://csl.skku.edu/ICE3028S11/](http://csl.skku.edu/ICE3028S11/)
- News and updates on Twitter: Follow @ice3028skku
About Me

▪ Jin-Soo Kim (jinsookim@skku.edu)
▪ Associate Professor @ SW & SSE Dept.
▪ Computer Systems Laboratory (http://csl.skku.edu)
▪ Office: Room #400630
▪ Tel: 031-299-4593
▪ The best way to contact me is by email.
Textbook

- Computers as Components: Principles of Embedded Computing System Design
  - By Wayne Wolf
  - Second Edition
Course Plan

- Lectures
- Team projects & Lab sessions
- Exam
Solid State Drive (SSD)
SSD Internals
www.openssd-project.org
Prerequisites

- **SSE2030**: Introduction to Computer Systems
- **ICE3003**: Computer Architecture
- **SSE3044**: Operating Systems

- You should be fluent in C programming!
Lectures

- Embedded Computing
- Solid State Drives (SSDs)
- ARM Processor
- CPUs
- Bus-based Computer Systems
- Program Design and Analysis
- Processes and Operating Systems
- Multiprocessors
Team Projects

- There will be two team projects
  - One with the SSD simulator (in C)
  - The other with the actual SSD platform
- You will work in teams of 2 students.
- You can choose your teammates freely.
- Most of Thursday classes will be devoted to Lab sessions led by the TA.
Exam

- No midterm exam

- We will have only the final exam at the end of this semester.
Grading Policy

▪ Class attendance 10%
▪ Team projects 65%
  • Project 1: 20%
  • Project 2: 45%
▪ Final exam 25%

▪ If you miss the final exam, you will fail this course.
Attendance Policy

▪ Do not be late! You should be present when I take class attendance.

▪ You can miss the class up to “four” times without any penalty.
  • Applies to excused absences as well.

▪ There will be a bonus for students who attend all the classes.
Questions?