Graduate Operating Systems

Fall 2017

Paper “DVS”

• Real-Time Systems
• Dynamic Voltage Scaling (DVS, DFS)
• Over-designed systems (peak performance)
• Periodic task model
• Earliest Deadline First (EDF)
• Rate Monotonic Scheduling (RM)
• Schedulability test
Paper “DVS”

- Static voltage scaling
- Worst-case execution times
- Cycle-conserving RT-DVS
- Look-Ahead RT-DVS