

www.site.uottawa.ca/~elsadd www.el-saddik.co

Scan-EDF Disk Scheduling

SCAN:

- ➤ Move disk head always between disk edges (Bldirectional)
- ➤ Read next requested block in disk movement direction
- ➤ Compromise between optimization of seek times and response times
- > data in the middle of the disk has better access properties

SCAN-EDF

- ➤ Combines advantages of:
 - **❖SCAN** (seek optimization) with
 - **❖EDF** (real-time aspects)
- ➤ Method:
 - **❖**Requests with earlier deadlines are served first
 - Among requests with same deadline, requests are served by track location
 - Increase efficiency by modifying deadlines

2 07_Scheduling © elsaddik





