

# Data Center Resource Sharing

*CS 838, Fall 2012*

1. In what other data center situations do we want to provide share guarantees and/or strategy-proofness? Consider situations where only a single type of resource is involved and multiple resources are involved.
2. Which of the following should be use for each situation: classic Fair Queueing (FQ), per-resource fairness, Dominant Resource Fairness (DRF), or Dominant Resource Fair Queueing (DRFQ)? Remember that DRF was designed for allocation of CPU and memory resources in space, while DRFQ is designed for allocation of resources in time.
3. Are there properties DRFQ does not provide that may be desirable in CoMb or another situation?