

# 6.5 A Role for ML-MUD in CDMA Systems

- ML may or may not have a role in detecting large numbers of equipower users. However, it appears to be a good choice in a hybrid system.
- Suppose two traffic types on a system with fixed chip rate:
  - voice traffic: many users, conventional detectors, power controlled.
  - high speed data users: a few of them; high speed requires higher power; lower processing gain, more chance of singularity in their R matrix.

The privileged users are a threat to the voice users, because of higher power.

### Solution

