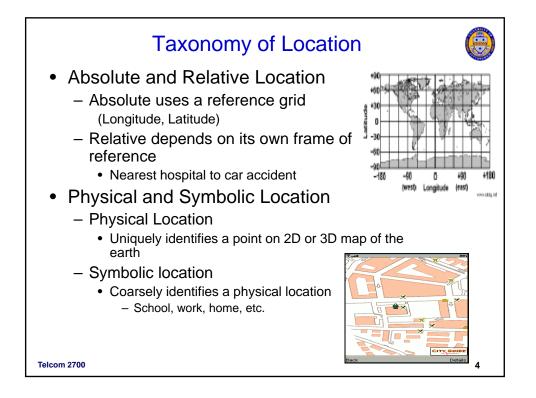
Location Based Services and Technology

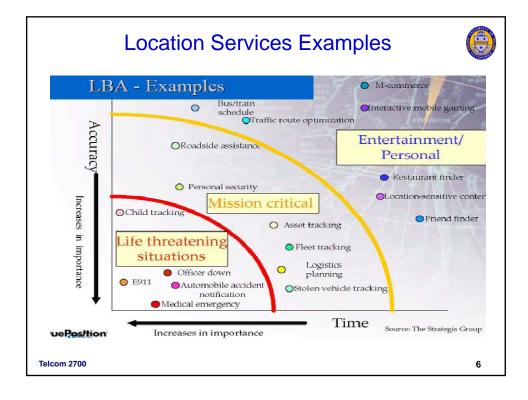
David Tipper Associate Professor Graduate Telecommunications and Networking Program University of Pittsburgh Slides 14

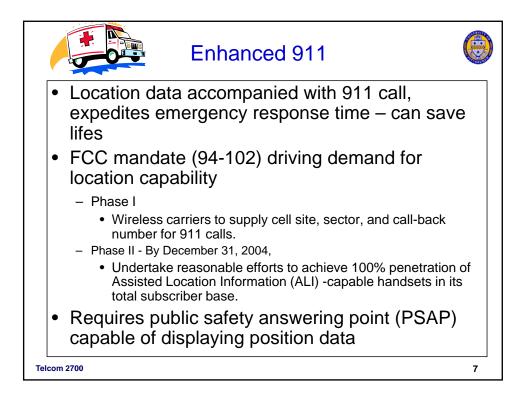


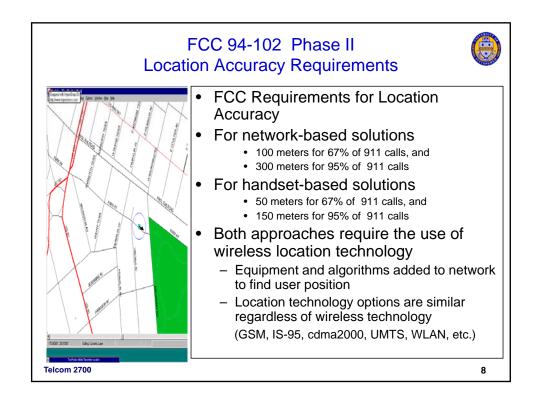


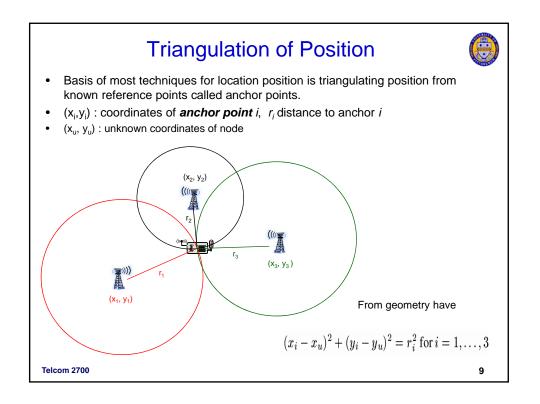


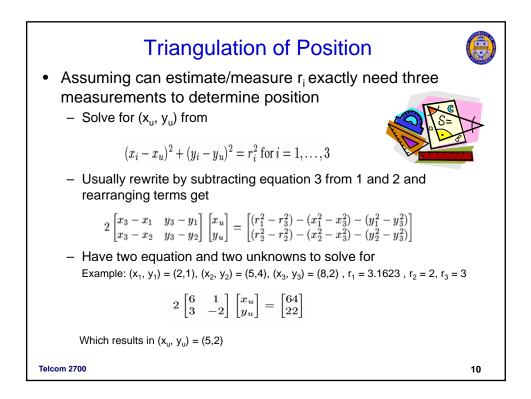
	Location Accuracy					
 Accuracy needed depends on application 						
	Service	Example	Accuracy			
	Emergency	911 call	Medium-high			
	Navigation	directions	High			
	Information	Mobile Yellow Pages, Advertisement	Medium			
	Tracking	Vehicle Tracking	Low			
	Billing	Location based billing	Low to medium			
Те	lcom 2700		5			

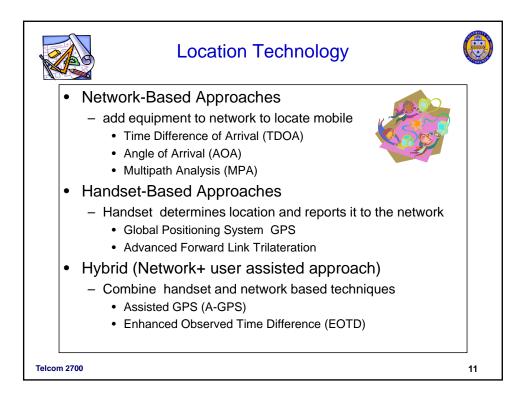


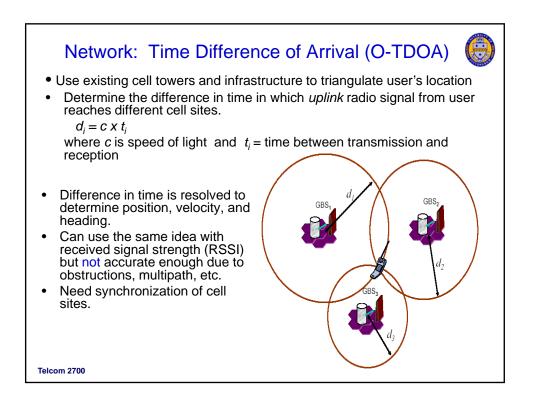


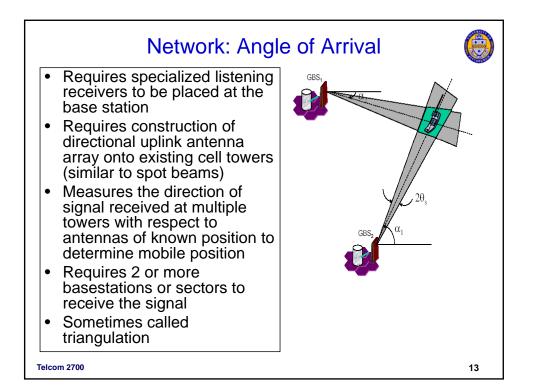


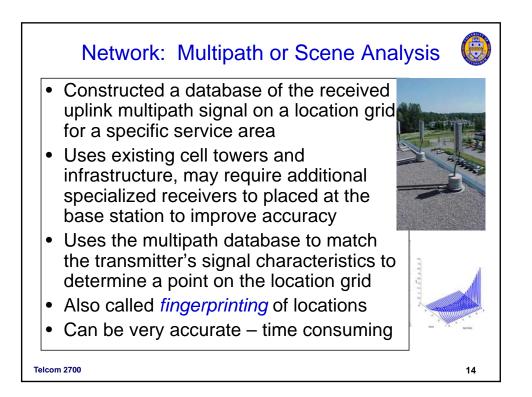


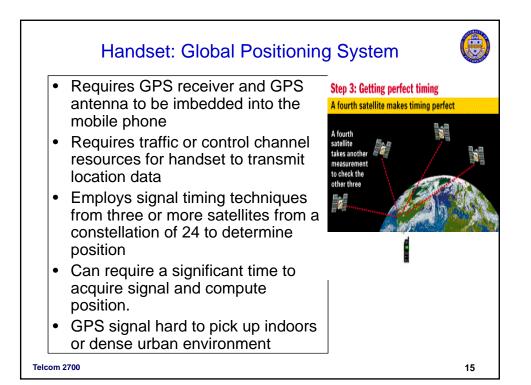


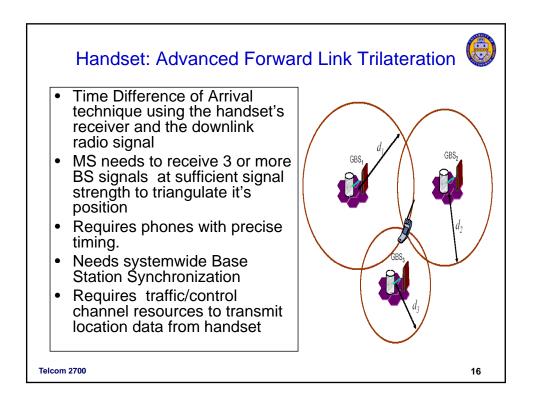


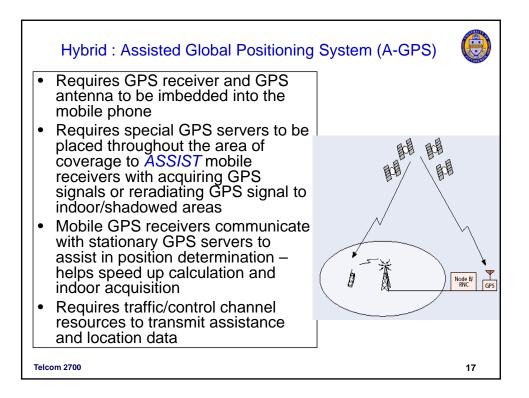


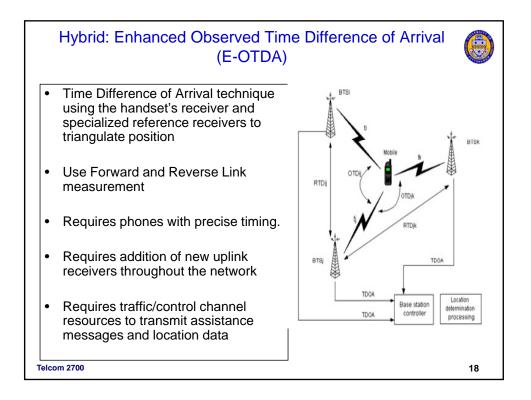












	Accuracy			
Technique	Handset Impact	Resolution		
TDOA	NO	300-500m		
AOA	NO	300-500m		
MPA	NO	1-5M (depends on grid size)		
GPS	Yes	3-5 M		
AFLT	Yes	50-200M		
EOTD	Yes	50-200M		
AGPS	Yes	3-30M		
Telcom 2700				

