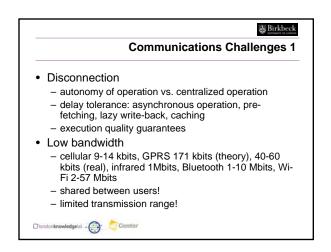
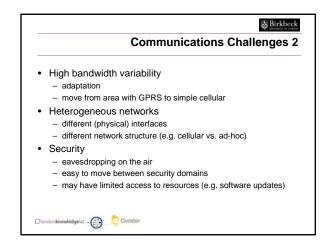


Wireless Characteristics

- Wireless is primary network interface, may attach via cable on and off
- Implication: signal interacts with the environment
 noise, echoes (multi-path, timing), blocking
 objects, walls, other sources, weather
- Implication: network topology very dynamic
 hosts come and go, loss of connectivity, variable density
- Result: degradation/variability of capability to communicate, errors
- · Networks and applications must deal with this

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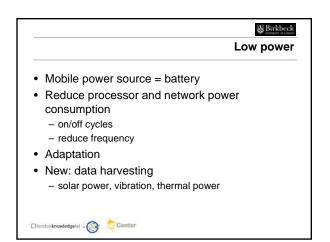
₩<u>Birkbeck</u> Mobility: Addressing and Routing

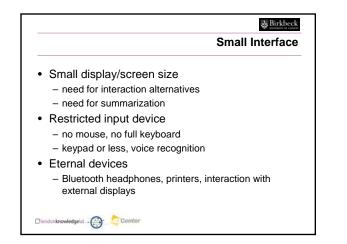
- · Moving from access point to access point
 - How do you handle the change
 - How do you reroute data to the new location
 - Who is responsible for maintaining correct operation
- These actions are mostly taken by persons on wired networks
- One solution: Mobile IP
- Will discuss in detail

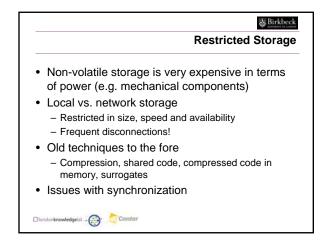
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Mobility: Location Based Computing Above the end of t

Birkb	
	Mobility: Migration
Device	
 start work on a PDA and 	continue on a phone
 processes, data, state 	
 Location 	
 start work on the train ar 	nd continue at home
- security, resources, pref	erred attachment
Context	
 use the same resource t 	o work and then to entertain
 cost, security, resources 	. identity







	Birkber	
	Security	
unau whe deni serv nece	protection of information systems against thorized access to or modification of information, her in storage, processing or transit, and against the al of service to authorized users or the provision of ce to unauthorized users, including those measures ssary to detect, document, and counter such ts" US INFOSEC	
Integ	rity, confidentiality, availability, non-repudiation	
Host	le environment	
Impl	cations	

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