University of Würzburg
Informatik III (Distributed Systems)
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Mobile P2P –

A Community Approach or Business Case?

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Mobile P2P

► **P2P mechanisms/applications designed for mobile/wireless environments**

- "equal" contributions; community concept
- support of high mobility and spontaneous use
- limited air interface capacity
- sudden loss of radio link

► **challenges:**

- usability:
  - how reliable is the service?
  - how long does it take to get access?
  - who will contribute? is it fair?
- technical:
  - what mobility management is needed?
  - heterogeneity / delay tolerance?
  - incentives/fairness?

► **if dependable then mobile P2P is even business case (*micro operators*)**

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Distributed Systems   *Dr. K. Tutschku*