

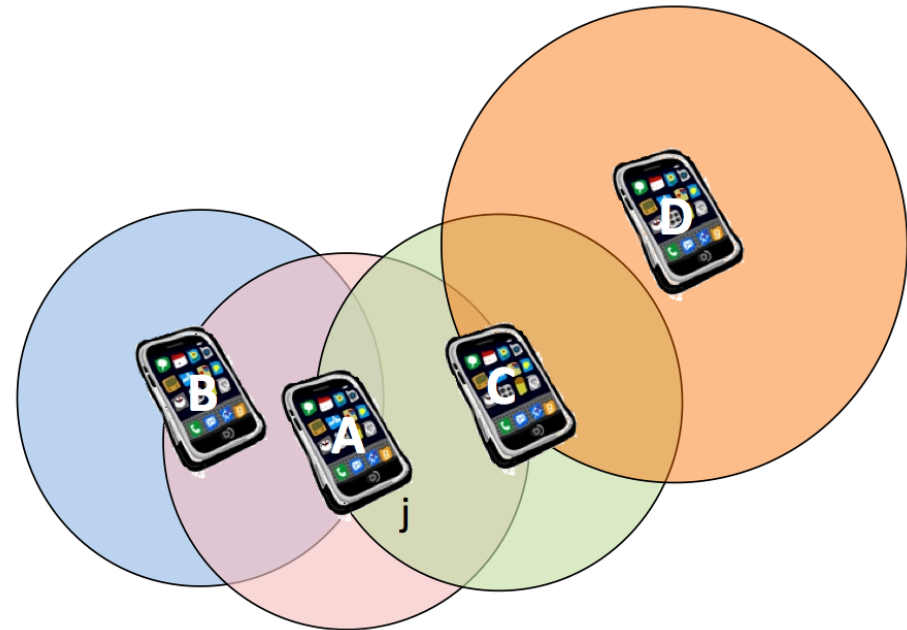
Multi-hop Ad Hoc Wireless Communication  
draft-baccelli-manet-multihop-communication-02

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# Problems with IP links in spontaneous wireless networks

- Asymmetry
- Time-variance
- Non-transitivity
- Indefinite range



= UNDEFINED CONNECTIVITY

# Consequences

- Concept of a “neighbor” becomes ambiguous
  - Affects “neighbor discovery protocol”
- Definition of a “link” is no longer as crisp
  - Affects the operation of protocols using “link-local” addresses
- Have to be very careful when advertising “subnet prefixes” (see for instance **RFC 5889**)
  - ICMP handling
  - What if the subnet gets “disconnected”?
- Did I mention “verrrrrry careful”???