

### et Architecture and Systems Lab

# Consideration

	Throughput	Request/Response
1hop	16.973 Mbit/sec	975.068 Trans/sec
2hop	6.717 Mbit/sec	494.937 Trans/sec

- Relaying overhead
  - → Multiple communication on the same channel
- ■Smaller throughput on the several simultaneous communication over multi-hop network
- → To improve the design of Link Layer and Physical Layer

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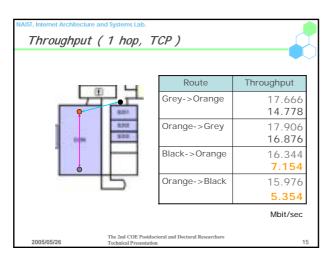
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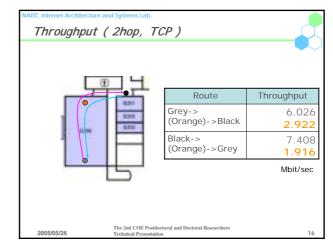
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# Issues of MANET Operation

- Wireless conditions
  - ◆FSSID
  - Channel
  - WEP Key
- Providing protocol of these values
  - ◆Location that has good RSSI
    - →We can not see the radio wave....

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# Issues of MANET Operation

- Routing Protocol
- Destination hosts
- Providing services
  - ◆There are no compatibility between RMP and
  - ◆In case of RMP, MANET nodes do not know the existence of the destination node.
  - MANET nodes do not have the information of the other MANET nodes.
- Need for services on MANET like DNS or SLP

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## Conclusion



- To the next step, we have tested MANET on the real world, not simulation.
- There are many problems to operate MANET actually.
- Future Work
  - ◆Protocols that provide neighboring information and service.
  - Applications on MANET.

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