

WIND

We do wireless...

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More than 600 APs



Over 2000 devices



Demanding users

Large scale

Professional equipment

MSM422



dual band / dual radio



Our playground





Usual cases



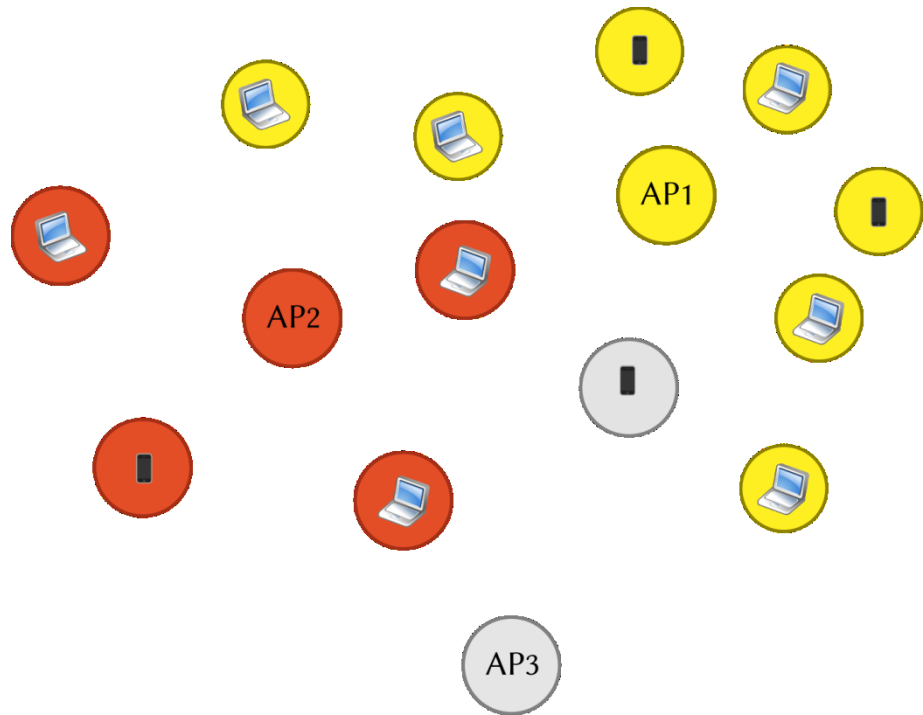
Donald Macleod
<http://bit.ly/eIV9j8>

Data

SNMP tables

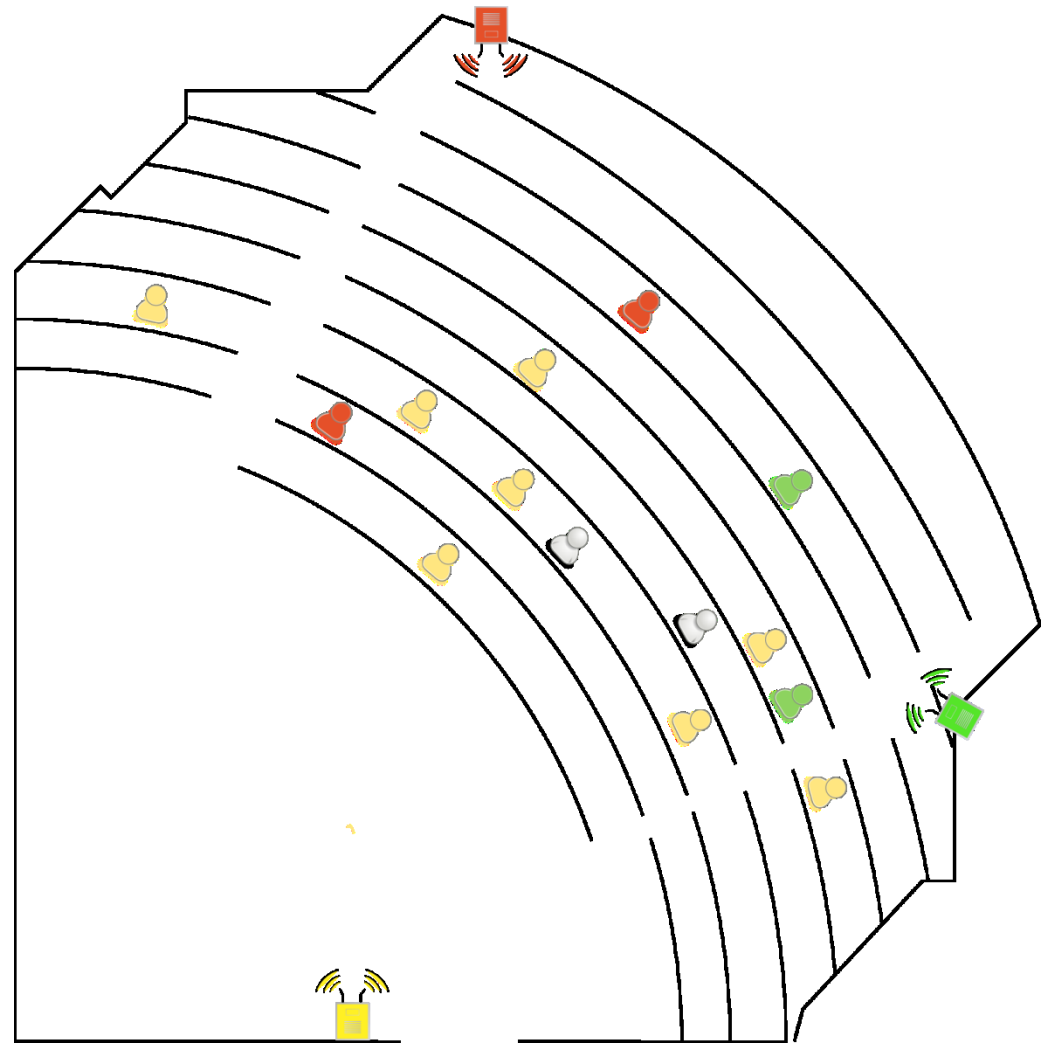
SNMP traps

sFlow



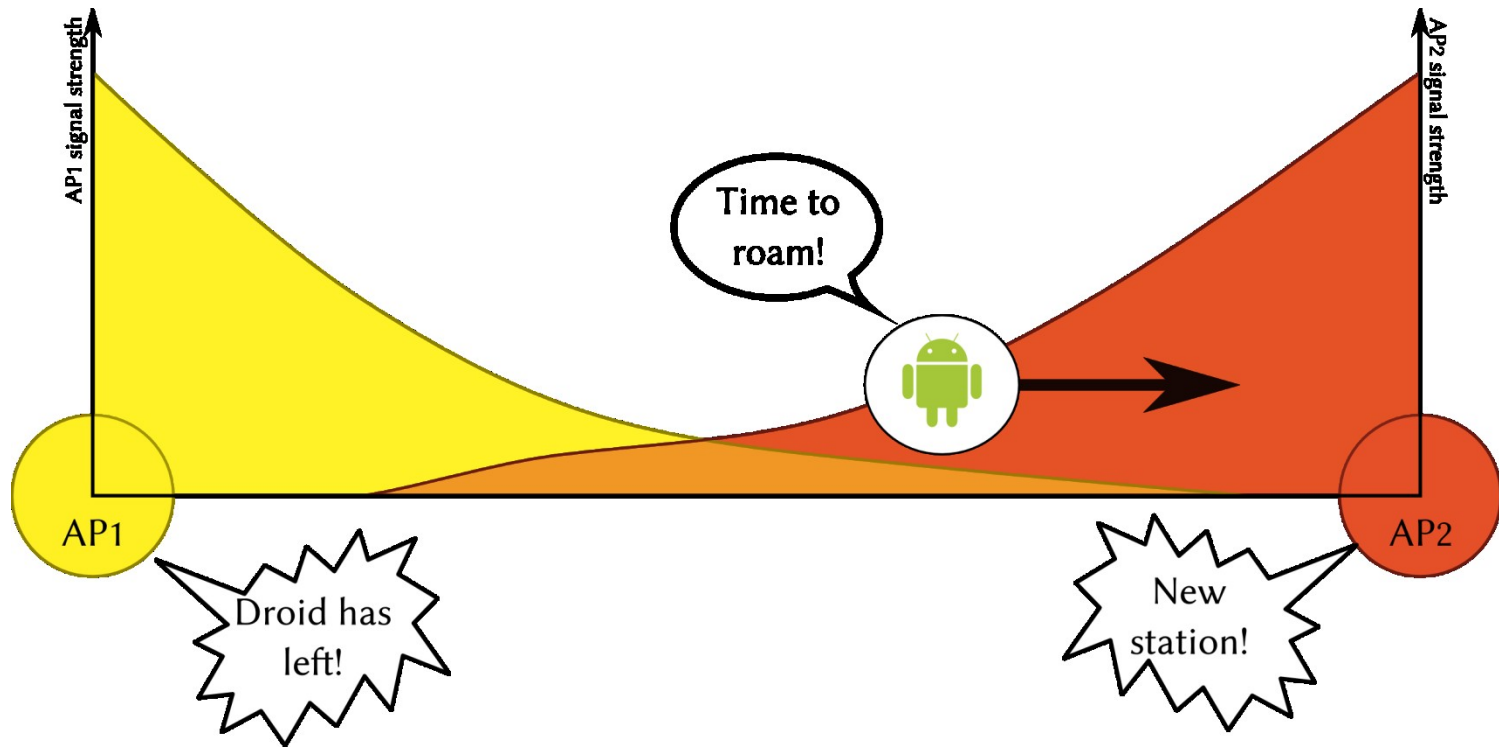
Data

SNMP tables



Data

SNMP traps

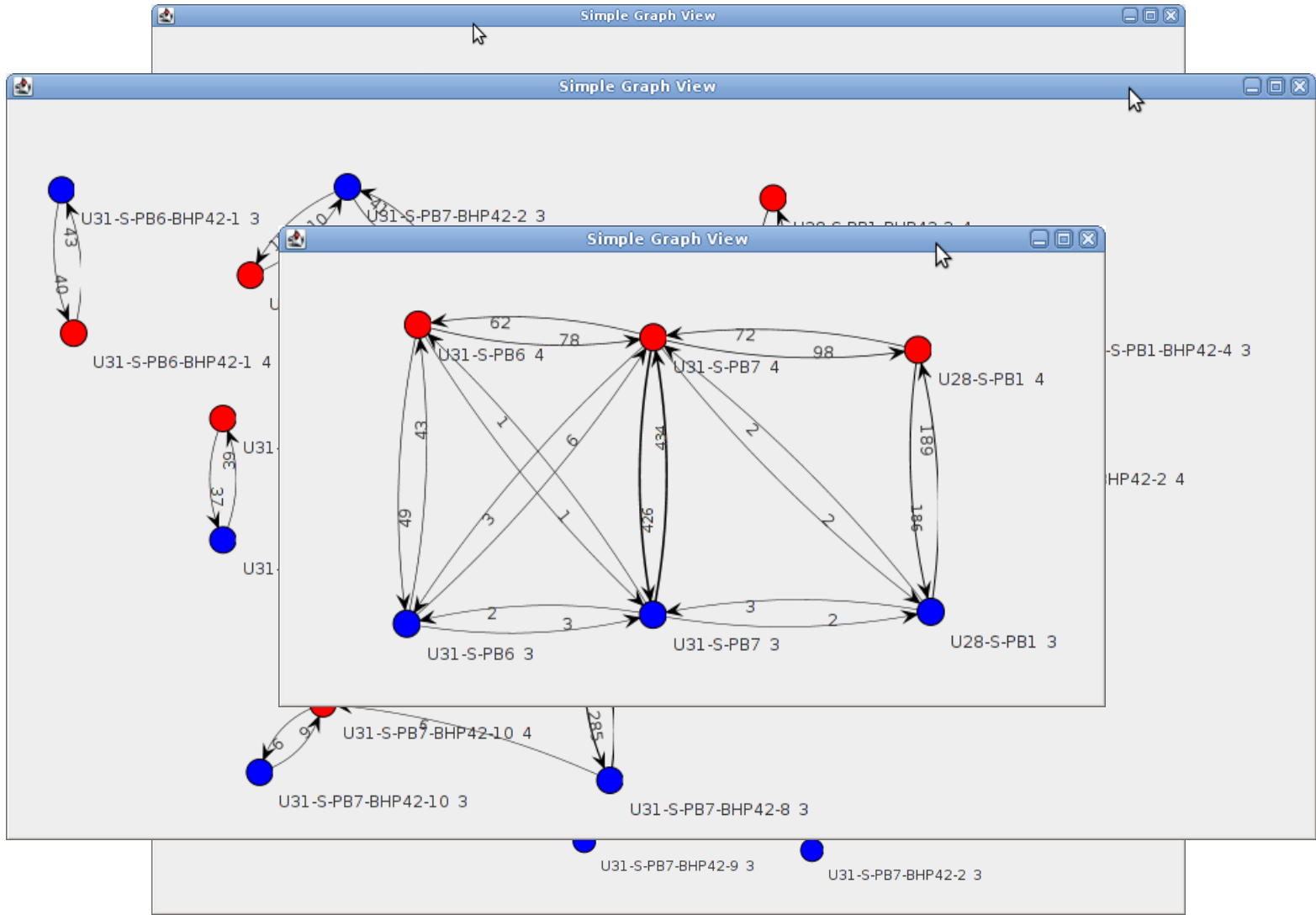


Data

Roaming

Analysis

Roaming

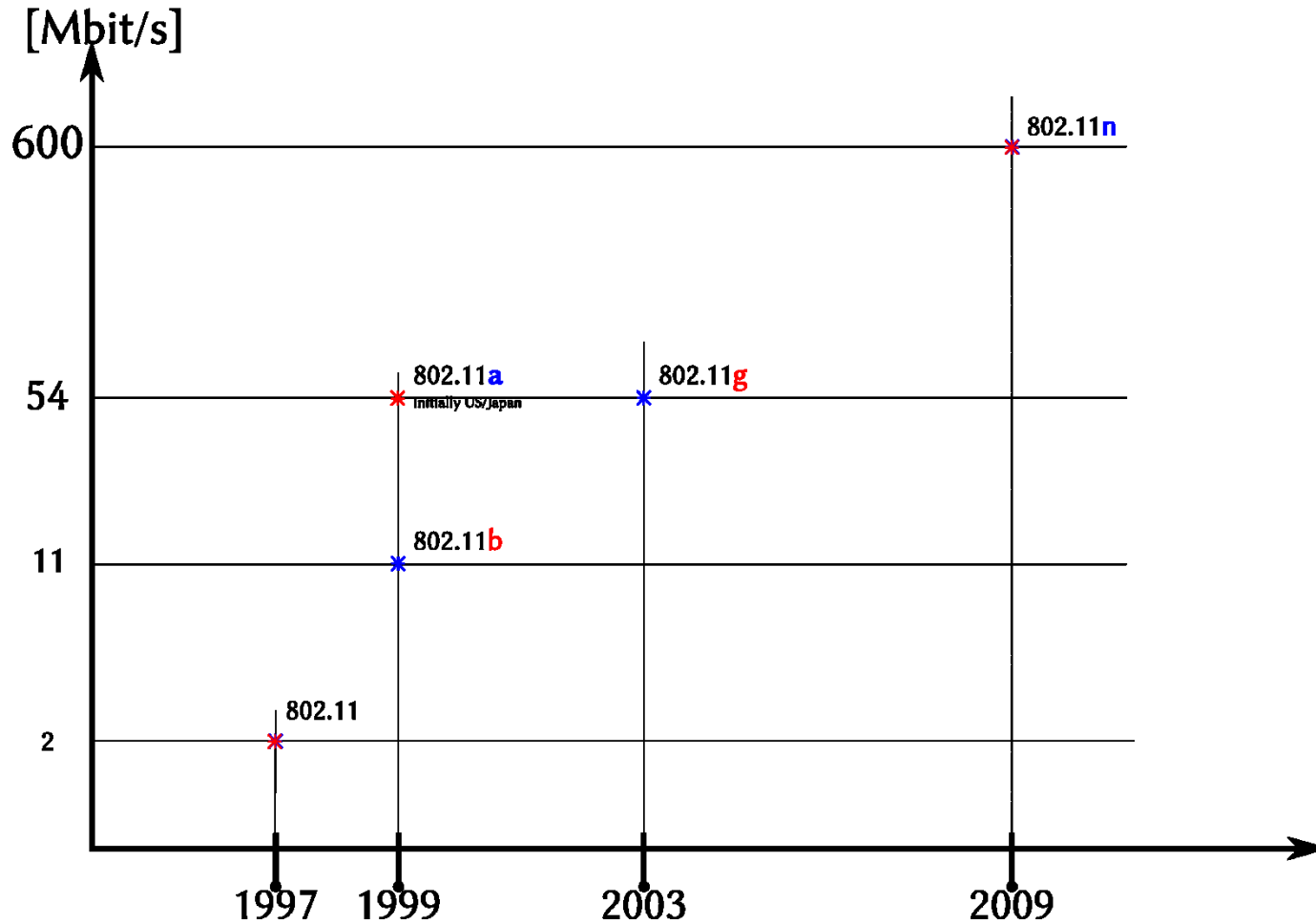


Analysis

Roaming results

802.11 standards evolution

Theoretical maximum rate

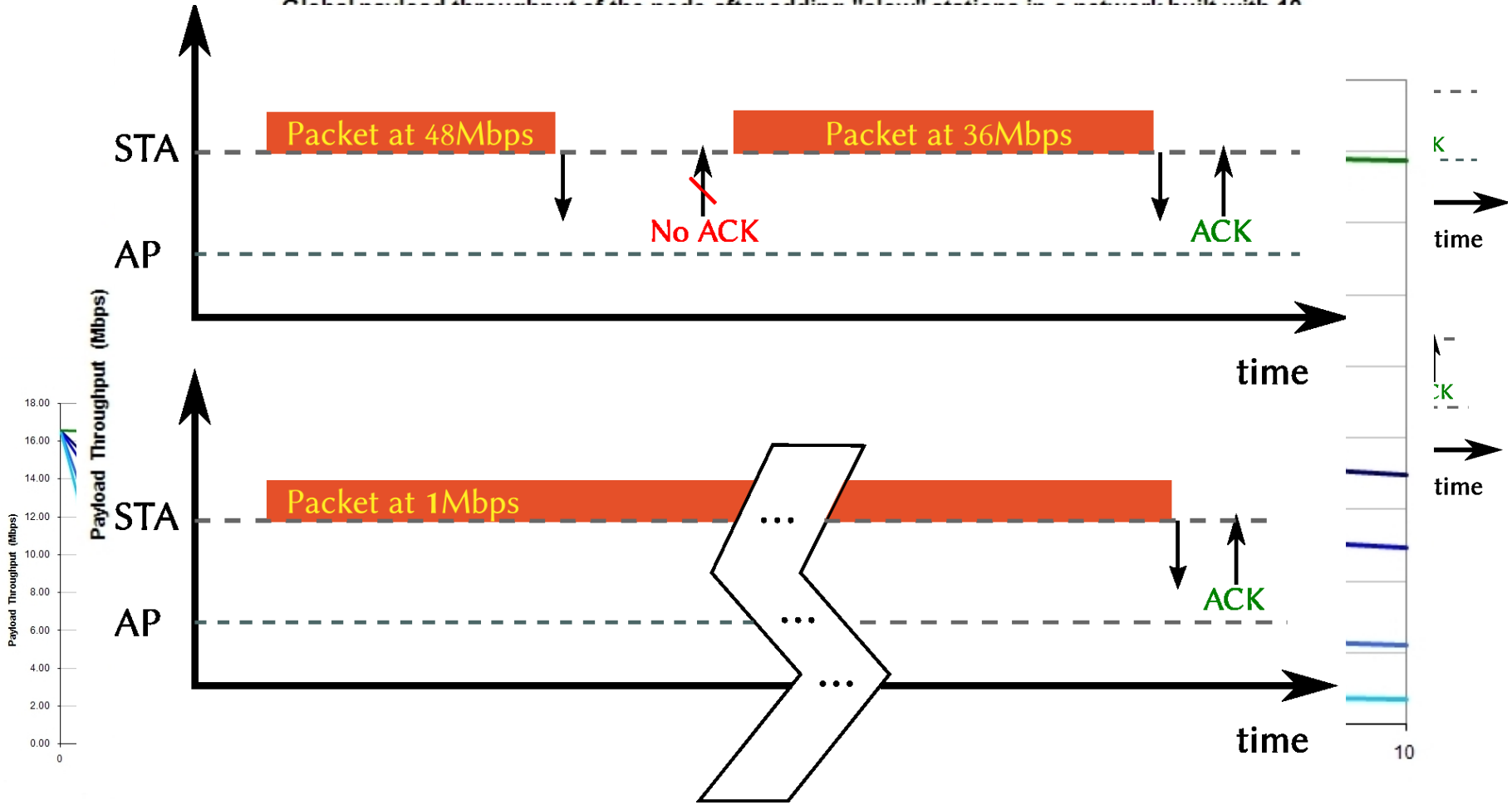


Analysis

Slow clients

Slow clients impact on network

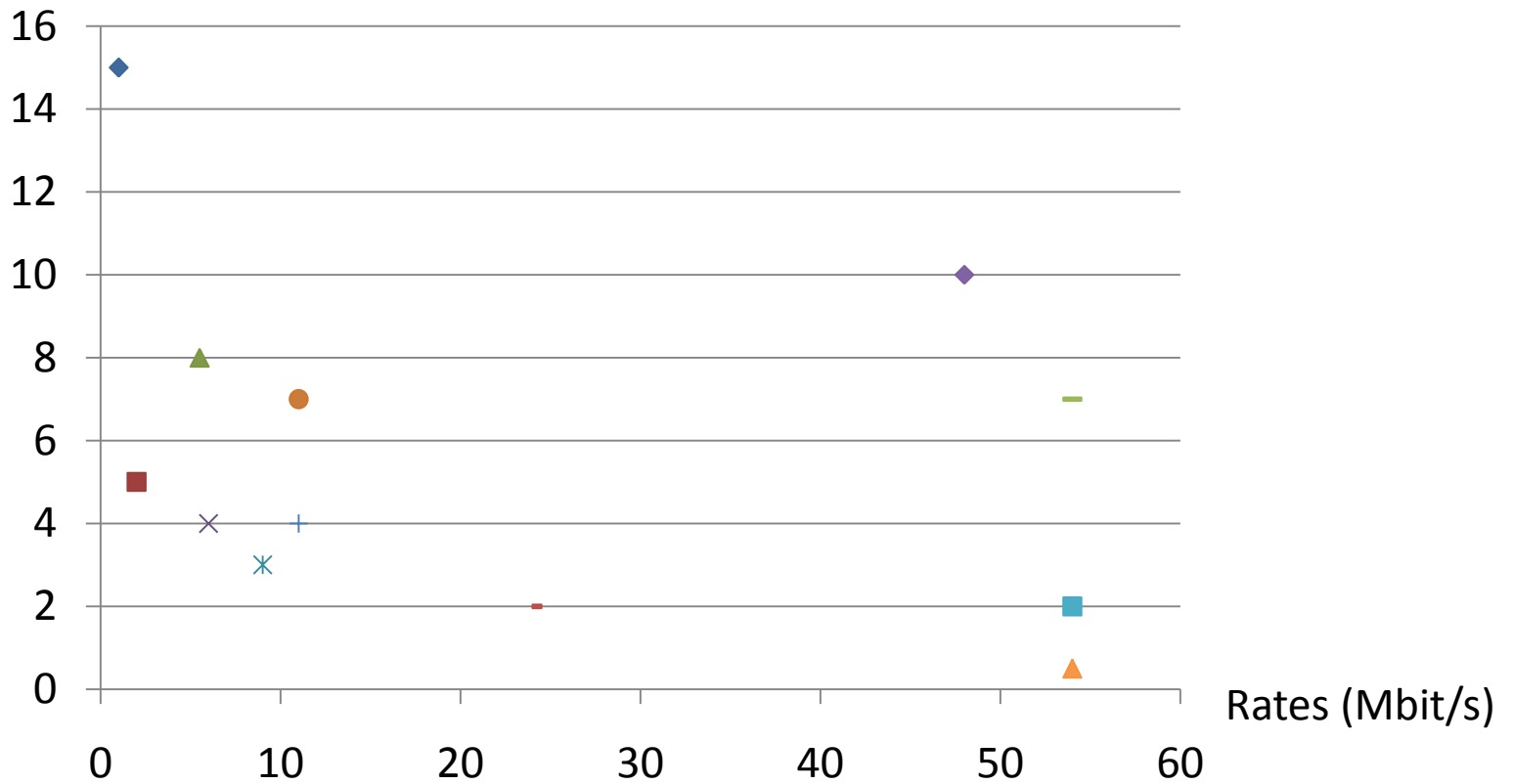
Global payload throughput of the nodes after adding "slow" stations in a network built with 10



Analysis

Slow clients

Channel Time (s)



Analysis

Slow clients results

Other activities

Technical report

Visit to Montreal

Visit from Montreal

Networking

Future plans: work with HP

Extend available information:

- Channel Time
- Slow clients
- sFlow wireless extensions

Ideas for Band Steering evaluation

Future plans: WIND

Prototypes, tools, experiments:

- Trend analysis
- Troubleshooting
- Network insight
- Smart load balancing

Integration into a single application

Conclusions