



# Multipath Packet Scheduling for 5G Systems

Multipath communication based on 5G ATSSS enables simultaneous usage of WiFi and cellular access. Compared to traditional single access usage, increased reliability and throughput are envisioned.

However, when the quality of the cellular connection and the WiFi connection differ too much it is typically better to use a single interface.

Thus, the following needs to be addressed:

- When to use/not use both interfaces?
- Implement an MPTCP packet scheduler that supports this

Skills required (or an interest in learning):

- Understanding of multipath communication (MPTCP, ...)
- Linux kernel hacking (advanced c programming)
- Network traffic analysis (tcpdump/wireshark, script languages like, e.g. bash)

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