Communication Challenges in Tele-Operated Robotics

560 Km

Contact: l.b.l.lenders@utwente.nl
Contact: d.dresscher@utwente.nl

Communication Challenge
QoS optimalisation of multiple channels which need lots of bandwidth, at high update frequency, low latency, and synchronicity between the channels

Latency
- Medium
- Low

Critically
- Medium
- High

Synchronicity

1920x1080 x2 @ 90 Hz
- Medium

44.1KHz Audiostream
- Low

44.1KHz Audiostream
- Low

60 Hz @ 50 Bytes
- Medium

1000 Hz @ 50 Bytes
- High

120 Hz @ ~1.4 kB
- High

1000 Hz @ 50 Bytes

120 Hz @ ~1.4 kB

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