CISTER
Research Centre in
Real-Time & Embedded
Computing Systems

Technical Report

IPDeN 2.0: Real-time NoC with selective flit deflection and buffering (Appendix)

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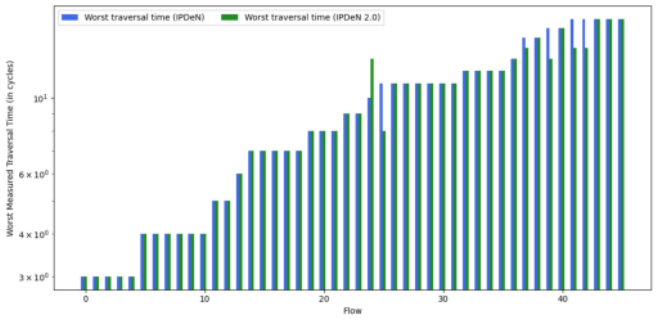
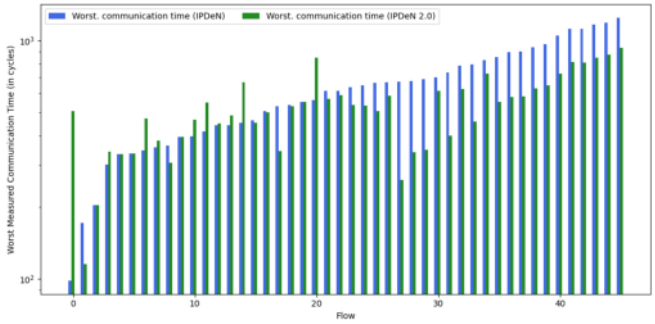
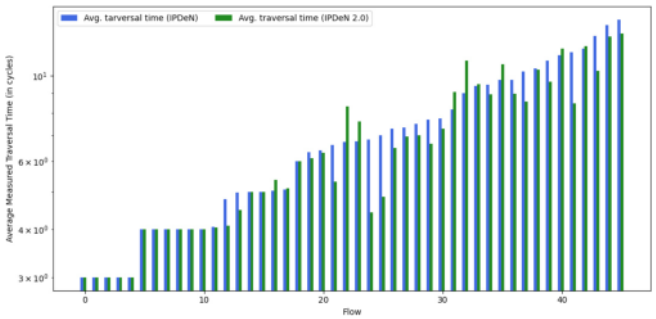
Abstract



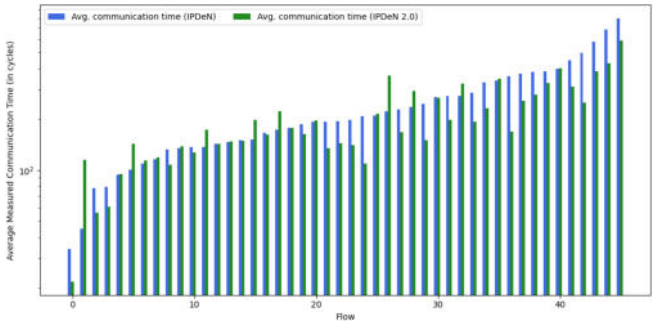
(a) Worst measured traversal time.



(b) Worst measured communication time.

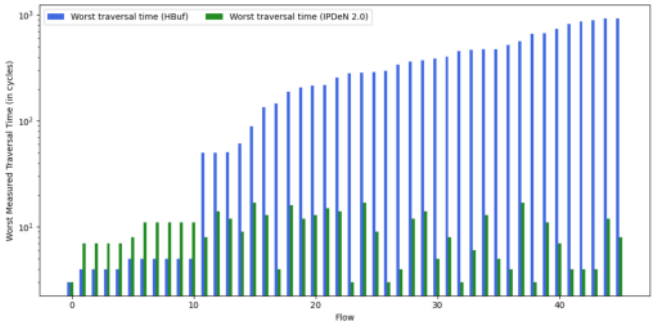


(c) Average measured traversal time.

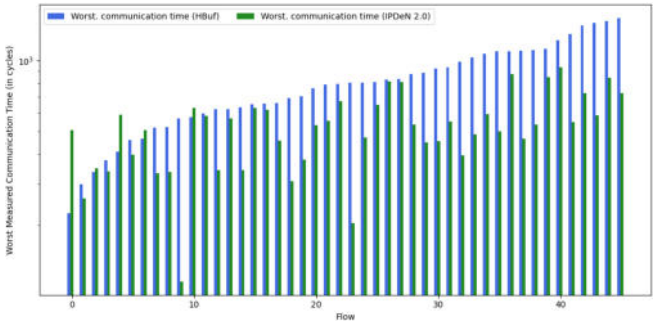


(d) Average measured communication time.

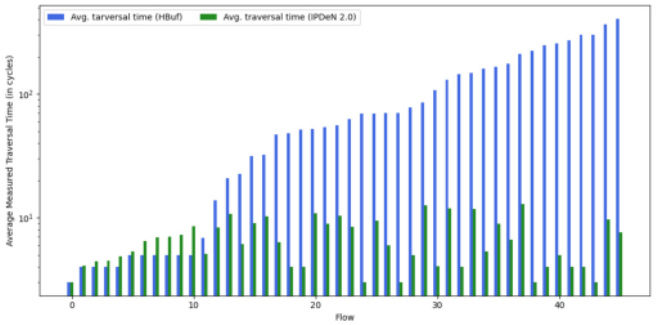
Figure 1: IPDeN 2.0 vs IPDeN (Synthetic test case).



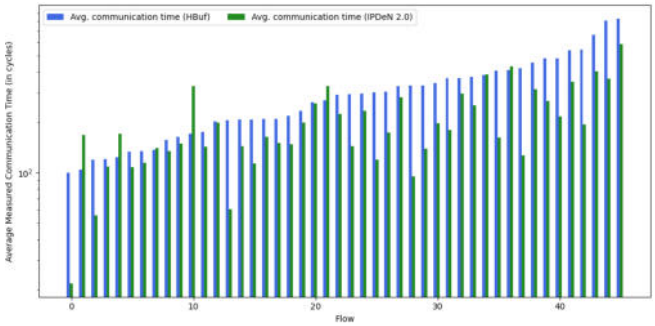
(a) Worst measured traversal time.



(b) Worst measured communication time.

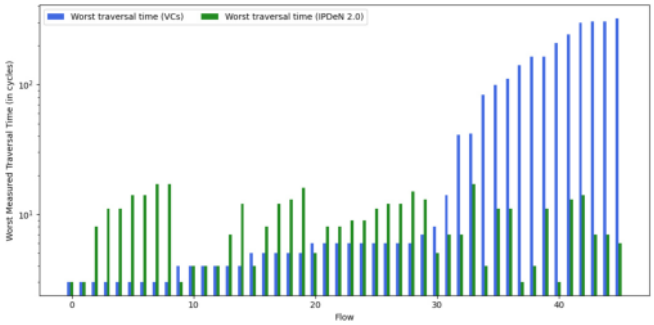


(c) Average measured traversal time.

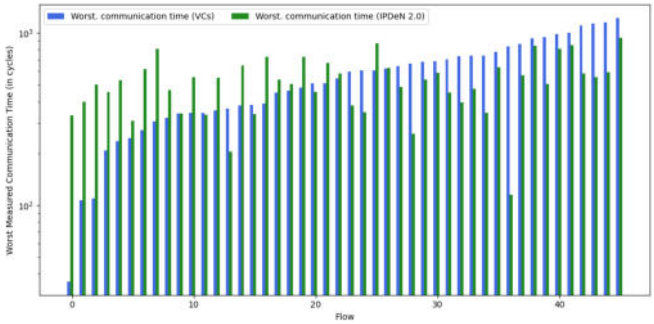


(d) Average measured communication time.

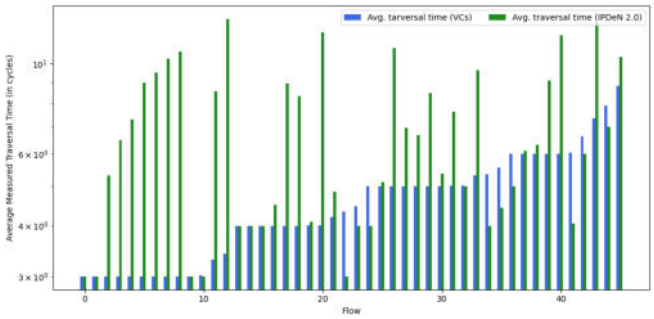
Figure 2: IPDeN 2.0 vs 128-deep HopliteBuf (Synthetic test case).



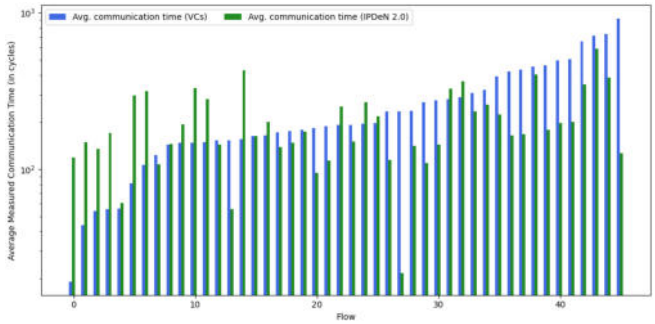
(a) Worst measured traversal time.



(b) Worst measured communication time.



(c) Average measured traversal time.



(d) Average measured communication time.

Figure 3: IPDeN 2.0 vs VCs (Synthetic test case).