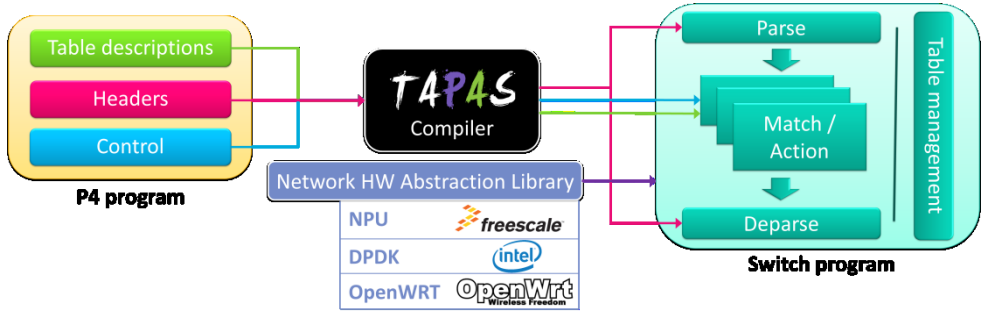# T4P4S - A P4 compiler for a variety of targets

Sándor Laki, Dániel Horpácsi, Péter Vörös, Róbert Kitlei, Dániel Leskó, Máté Tejfel, Gergely Pongrácz
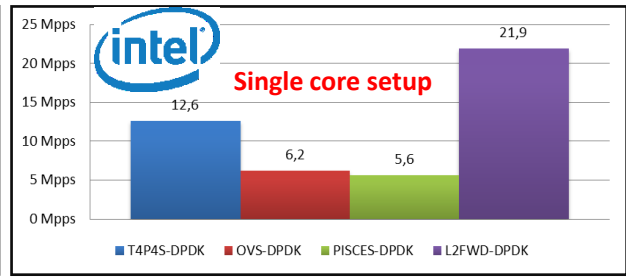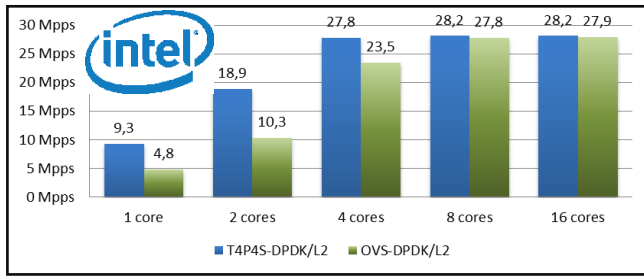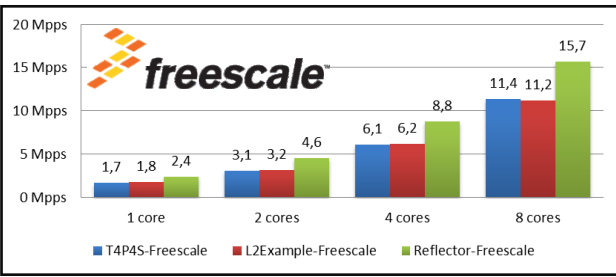
A multi-target P4 compiler framework

T4P4S – Translator for P4 Switches

- **Open source** (on GitHub)
- **P4-14** language support (**P4-16 is coming soon**)
- Supporting multiple targets
  (**Hardware Independent Core** +
  Network Hardware Abstraction Library)
- NetHALs for **Intel** (DPDK), **Freescale** (ODP SDK),
  OpenWRT (Native), …

L2 forwarding results for 2 targets (mesurements carried out in 3 testbeds w packet size 64B)

Web: **http://p4.elte.hu**   Email: **info@p4.elte.hu**

Eötvös Loránd University

ERICSSON