mPMT Firmware Report

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Firmware status

WUT:
- ADC Control Software
- Deserialization and framing code
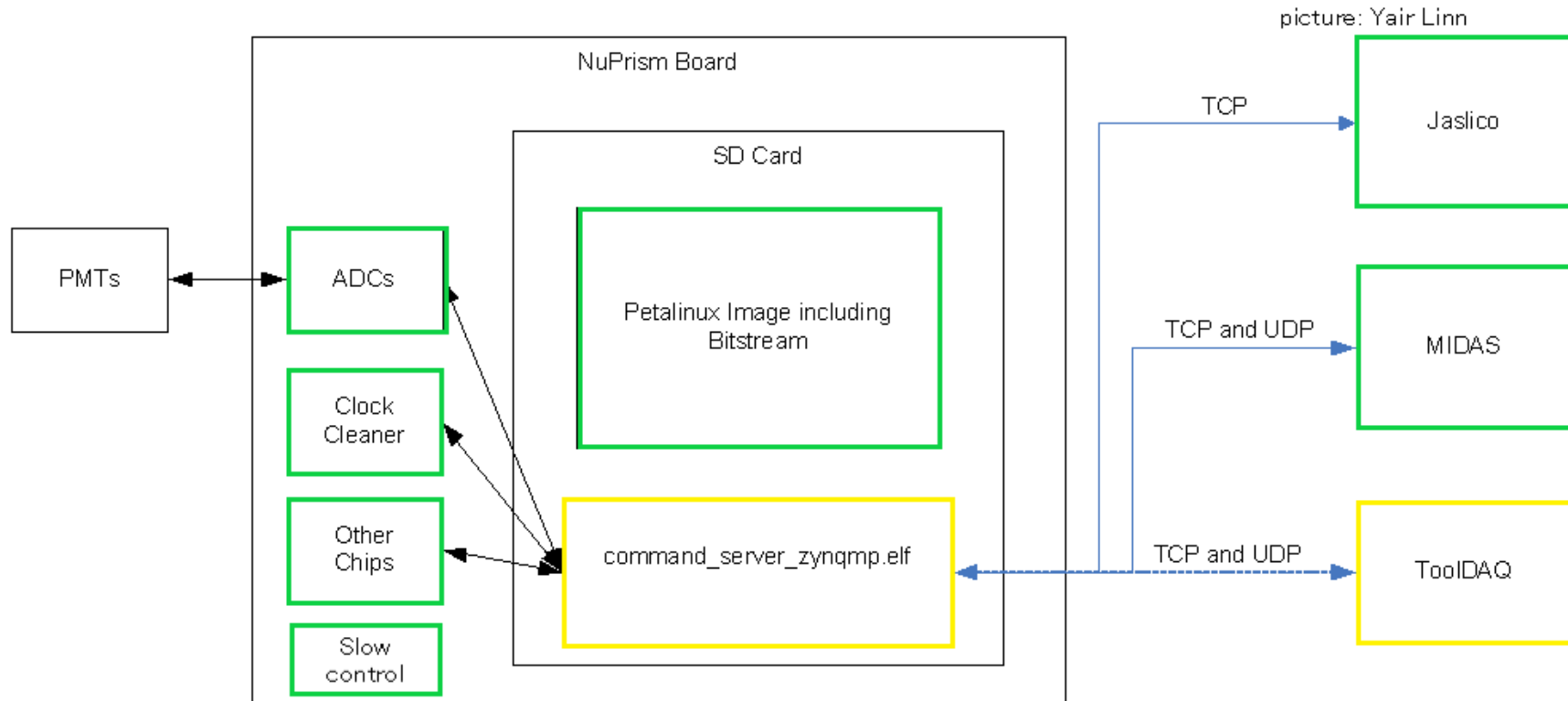- Clock Cleaner Control Software
- I2C and SPI

TRIUMF:
- Command server program controlled via TCP commands
- Integration of polish team code

- Current priority
  - TRIUMF code compiling at WUT (completed)
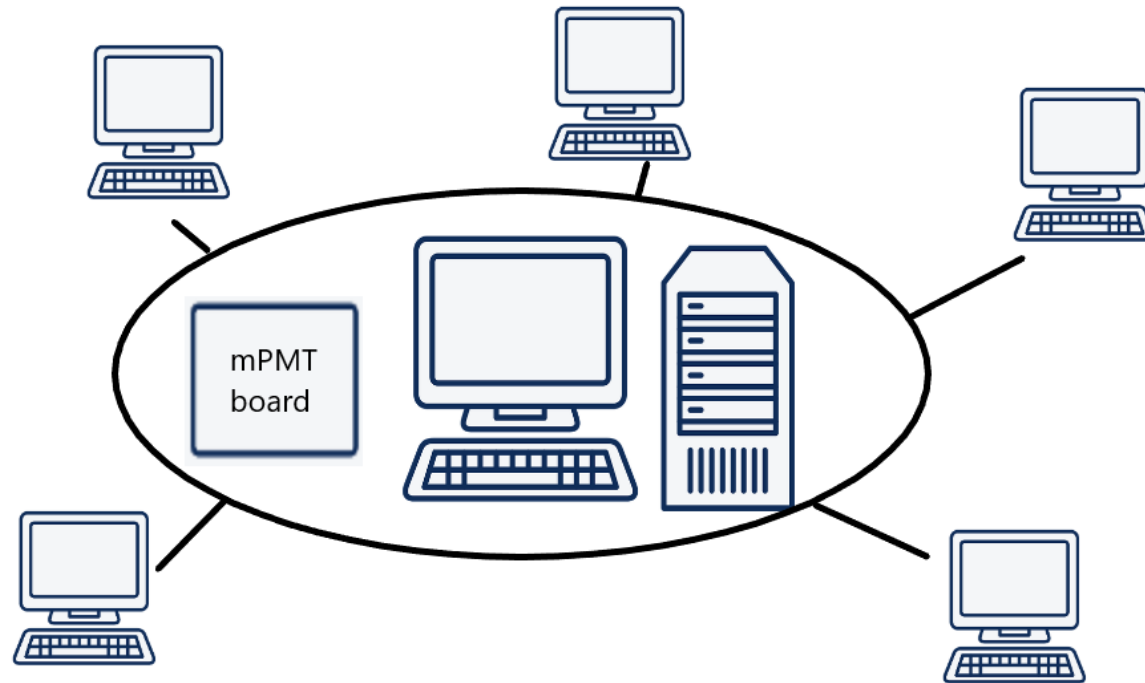 - Integration of ToolDAQ (in progress)

ONE CODE
work by Yair Linn

Integration of code – ADC data flow

picture: Yair Linn

- Two different paths for ADC data:
  - MIDAS/ToolDAQ
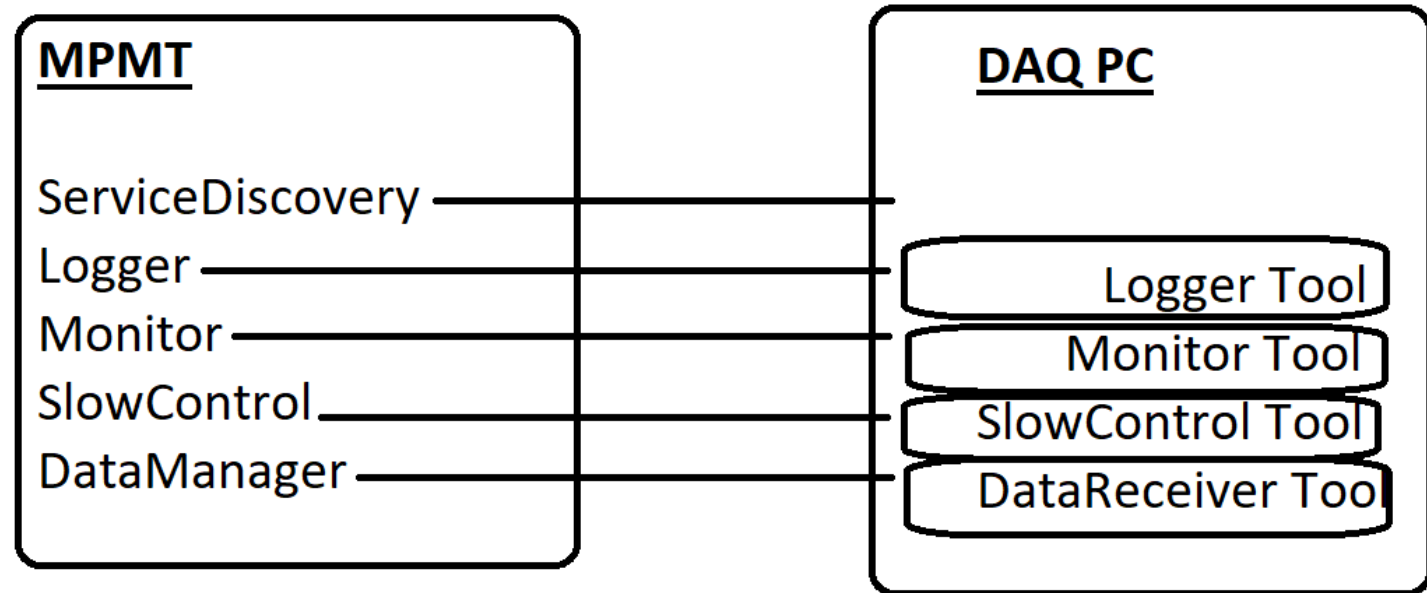 - Jalisco

Recent work (completed)

- Remote access to the PC at WUT
  ◦ mPMT board
  ◦ Waveform generator (mPMT in the future)

- Whole environment is ready for development
  ◦ Vivado
  ◦ Vitis
  ◦ Petalinux

- ToolDAQ backend installed by Ben

If you need a VPN access please contact us:
marcin.ziembicki@pw.edu.pl

ToolDAQ integration (in progress)

- ◦ Extending Ben's mPMT ToolDAQ app
- ◦ Code to develop at both sides
- ◦ Current task – integration with Vitis project

Thank you for your attention!