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Generic FPGA Firmware Framework

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In the beam controls group in DESY, the FPGA firmware is developed with the use of a custom framework, called FWK. This framework has been developed in order to provide FPGA firmware for European XFEL for LLRF, special diagnostic and synchronization systems.

In the past two years FWK went a number of changes which allowed to make it open source. The main goal of the changes is to provide a universal framework that could significantly facilitate cooperation in the development of FPGA firmware.

The current state of the firmware framework and its idea and usage will be presented.

Summary

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