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FWK - an open-source FPGA framework by DESY for large scientific projects

Wednesday, 11 September 2024 09:00 (30 minutes)

In recent years, DESY has dedicated significant effort to the development of an open-source FPGA framework named FWK. This initiative is geared towards expediting FPGA development within the scientific community, with a particular focus on experimental physics applications. The framework functions as an abstraction layer, streamlining the utilization of diverse FPGA vendor tools, facilitating IP integration, simplifying register and documentation creation, and offering a host of additional advantages. In conjunction with FWK, DESY is committed to providing numerous IPs as open-source resources that seamlessly integrate with the framework. This presentation is intended to provide a comprehensive overview of the framework, accompanied by concrete examples drawn from real-world applications.

Footnotes

Funding Agency

I have read and accept the Privacy Policy Statement

Yes

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