



Webinar Invitation

Introduction to Quick Instruments a test framework for FPGA board quality control

Wednesday, 11. 9. 2024 [9 a.m. to 10:10 a.m.] – online

With the TEC BYTES webinars, [TRS-STAR](#) offers you bite-sized technical tidbits. [TRS-STAR](#) customers are cordially invited to this free training opportunity. In addition, you have the **opportunity to receive a free [T*Square T20-100 Education Board](#)**: we will determine the three winners of this board among the first 10 registrations.

Quick Instruments (QI) is a test & measurement framework that loads itself into on-board FPGAs for test, validation or programming purposes. The role of instruments is to verify PCBA hardware infrastructure: on-board interconnections and communication with peripheral components. In this way, every PCBA board can be checked for defects and stability issues. All instruments are pre-compiled for a target board and are being executed from a test platform using predefined templates. QI can be used for both FPGA-PCBA bring-up as well as end test in a production line. **When using QI there is no need to have your FPGA-Design ready for PCBA testing and there is no need to expose your FPGA-Design to a third party.**

In this webinar we will use the **T* Square Education Board** [available for just 59,99 €] for demonstration purposes. You can reproduce the webinar demo with this board using a free demo version of QI. At heart of the board is an Efinix Trion T20 FPGA. Efinix FPGAs use the disruptive Quantum™ technology for their low-power, cost-effective and small-die FPGAs. The FPGAs scale from 4 kLUT to currently 375 kLUT and also offer SoC variants with a RISC-V Quad-Core Processor (up to 1 GHz).

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Speaker:	Dr. Igor Aleksejev [Product Manager Testonica] Andreas Schwarztrauber [CEO TRS-STAR]
Language:	English
Prerequisites:	Technical understanding, basic knowledge of Python desirable but not required. T*Square Education Board for customers who want to reproduce the hands-on afterwards.
Seminar form:	Presentation, hands-on at your own time and pace
Contact:	Andreas Schwarztrauber, [e-Mail: asc@trs-star.com], +49 172 721 8963

Agenda [Zeitzone: CET]

09:00 a.m. – 09:05 a.m.	Welcome and introduction [Andreas Schwarztrauber]
09:05 a.m. – 09:15 a.m.	T*Square Education Boards [Andreas Schwarztrauber]
09:15 a.m. – 09:45 a.m.	Introduction to Quick Instruments [QI] [Dr. Igor Aleksejev]
09:45 a.m. – 10:00 a.m.	QI Hands-On Demo [Dr. Igor Aleksejev]
10:00 a.m. – 10:10 a.m.	Questions and answers

Register