

# THIRD-PARTY NEWS RELEASE

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## **GRL Demonstrates Test Services and Solutions for PCIe® 6.0 Architecture to Accelerate Compliance Testing and Debug**

**SANTA CLARA, Calif., June 13, 2023** – Granite River Labs (GRL) invites you to visit us at Booth 11 at the PCI-SIG® Developers Conference 2023 in Santa Clara, California. GRL is a Gold Sponsor and will demonstrate PCI Express® (PCIe®) 6.0 specification compliance testing using silicon-proven Synopsys IP for PCIe 6.0 architecture.

With 9 labs worldwide, GRL supports PCIe 5.0 architecture and earlier Base (ASIC) and CEM (System) Specification Pre-Compliance Tests as well as PCIe 6.0 Base Specification testing. GRL's comprehensive PCIe technology test services include electrical, link equalization and protocol tests, as well as IC characterization and stress testing and PCB-level signal integrity validation and simulation/modeling services. Many PCIe technology adopters utilize GRL's pre-compliance testing and debugging services before attending the PCI-SIG compliance workshops to ensure successful certification.

"Using standards-compliant, high-speed PCIe 6.0 IP enables interoperability for real-time data connectivity in high-performance computing, storage and AI SoCs," said John Koeter, senior vice president of product management and strategy for IP at Synopsys. "GRL's testing automation solution allows Synopsys to achieve early, accurate and efficient validation of Synopsys' PCIe 6.0 IP, ensuring adherence to the latest 64GT/s PCIe 6.0 specification and reducing SoC integration risk. Leading companies have adopted the production-proven Synopsys PCIe 6.0 IP solution on advanced process nodes down to 3nm to accelerate their time to market."

For product developers who want to test on their own, GRL's PCIe specification compliance test automation software solutions support PCIe 5.0 architecture and earlier Transmitter, Transmitter/Receiver Link Equalization and PLL Peaking and Loop Bandwidth on Keysight and Tektronix high-performance oscilloscopes and the Anritsu MP1900A BERT.

"GRL's compliance test software automation solutions help facilitate the widespread adoption of the PCI Express specification," said Al Yanes, PCI-SIG Chairperson and President. "As a contributor to the PCI Express technology ecosystem, GRL's support for PCIe 6.0 specification electrical compliance testing will help our members deliver PCIe compliant products to market. We look forward to GRL's future contributions to PCIe technology."

"GRL takes great pride in our deep PCIe architecture technical expertise and cost-effective, on-demand pre-compliance test and debugging services in our world-wide labs," said Vamshi Kandalla, chief strategy officer at GRL. "GRL's PCIe test automation software solutions deliver reliable results aligned with the latest PCIe specifications while promoting freedom of choice among test equipment brands."

## **About Granite River Labs**

Founded in Silicon Valley in 2010, Granite River Labs (GRL) is a leading provider of end-to-end testing, certification and compliance services and related proprietary instrumentation and software solutions to support development and commercialization of sophisticated connected devices. GRL helps engineers solve tough design and validation challenges. GRL was founded with a vision to provide affordable test services to help hardware developers implement digital interface technologies as they become faster, more complex, and more challenging to test. Today, GRL has worked with hundreds of companies supporting the adoption of new and emerging technologies from their worldwide test facilities and R&D centers. GRL's combination of market-leading technical expertise, broad capabilities across connectivity and charging technologies, and intense focus on quality and customer service excellence has led to rapid growth and recognition as the "go to" expert. For more information, visit <http://www.graniteriverlabs.com>.

## **About PCI-SIG**

PCI-SIG is the consortium that owns and manages PCI specifications as open industry standards. The organization defines industry standard I/O (input/output) specifications consistent with the needs of its members. Currently, PCI-SIG is comprised of over 900 industry-leading member companies. To join PCI-SIG, and for a list of the Board of Directors, visit [www.pcisig.com](http://www.pcisig.com).

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