

SecureRF at ARM TechCon 2017 with Future-Proof Security Solutions

Shelton, CT, October 19, 2017 – SecureRF Corporation, a leading provider of quantum-resistant security tools for the Internet of Things (IoT), will be exhibiting its authentication and data protection solutions for low-resource processors and embedded devices at ARM TechCon 2017 in Santa Clara, CA. The company will also deliver a talk at the ARM Theater on two of its public-key solutions, Ironwood™ Key Agreement Protocol (Ironwood KAP™) and Walnut Digital Signature Algorithm (WalnutDSA™), which were selected as finalists for ARM TechCon's "*Best Contribution to IoT Security*" award.

The IoT is home to many resource-constrained devices that have inherent limitations on how they can be secured. Many of these devices require authentication and data protection but they do not have the computing and memory resources to incorporate contemporary security solutions. The challenge is magnified by the threat that known quantum computing attacks pose to legacy cryptographic protocols, such as ECC and RSA. SecureRF addresses these problems with solutions such as WalnutDSA™ and Ironwood KAP™, a complementary pair of quantum-resistant functions with reduced computational requirements that enable even software-only implementations. Ironwood KAP™ and WalnutDSA™ are at least 60 times faster than ECC, consume up to 140 times less energy, and do not require connection to a database or a network. With these solutions, developers using even the smallest ARM Cortex-M series processors can secure their IoT products.

"Our future-proof security tools enable developers to quickly add authentication and data protection to their IoT devices," said Louis Parks, CEO of SecureRF. "Our easy-to-implement, public-key solutions secure ARM's most constrained processor cores, which are extensively used throughout the IoT."

In addition to ARM Cortex-M0 solutions, Ironwood KAP™ and WalnutDSA™ have even been implemented on an ARM Cortex-M3-based microcontroller that is powered exclusively by a miniature solar cell. WalnutDSA™ also meets the demands of secure boot and secure update applications. SecureRF's protocols can be used for device-to-device authentication and complements ARM TrustZone technology.

SecureRF will be exhibiting at Booth 105 at ARM TechCon in Santa Clara, CA, from October 24–26, 2017. ARM TechCon Innovation Awards winners will be announced on October 25. SecureRF will give a talk about its solutions at the ARM Theater after 4:00 PM on October 26. To request a meeting at ARM TechCon, contact SecureRF at info@securerf.com or +1 203-227-3151.

###

About SecureRF

SecureRF® Corporation (securerf.com) develops and licenses quantum-resistant, public-key security tools for low-resource processors powering the Internet of Things (IoT). The company's authentication and data protection solutions are highly efficient when compared to techniques like ECC and RSA. SecureRF delivers ultra-low-energy, fast, and small footprint solutions ideally suited for 32-bit, 16-bit, and even 8-bit devices like the ARM Cortex M0/M3 and RISC-V processors. SecureRF security solutions are used to address wireless sensors, NFC, Bluetooth, and RFID tags as well as embedded platforms including FPGAs, microcontrollers, and ASICs. Software Development Kits, RTL, and tools are available for a wide range of environments.

###

SecureRF, WalnutDSA, Walnut Digital Signature Algorithm, Ironwood, Ironwood Key Agreement Protocol, LIME Tag, Veridify, and Securing the Internet of Things® are trademarks, service marks or registered trademarks of SecureRF Corporation. Other trademarks and service marks referenced herein are the property of their registered owners.

Company Contact:

C. J. Abate

Marketing@SecureRF.com

+1 203-227-3151

Media Contact:

Alexandra Sorton, Publitek

alexandra.sorton@publitek.com

+44 (0)1225 470000