

Quantum-Safe Security Working Group

Call: January 31st ; 2023

Visit our webpage:

[https://cloudsecurityalliance.org/
research/working-
groups/quantum-safe-security/](https://cloudsecurityalliance.org/research/working-groups/quantum-safe-security/)

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Bruno Huttner; QSS Chair

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Agenda:

- CSA News: Hillary**
- Update on current activities: Election of a new co-chair**
- Presentation: Mehak Kalsi**
- Presentation: David Butcher**
- Open discussion & How to vote**
- AOB**

Election for co-chair: Mehak Kalsi

Statement:

If elected, Mehak plans to help the CSA QSS working group increase its influence and also increase participation and collaboration through a variety of initiatives. She strongly believes that Quantum Computing is more than upcoming, it's already here and we need to bring more awareness to it so that industry professionals are better prepared for its implications. Mehak looks forward to continuing to serve the CSA QSS working group and its members in a leadership role.

Bio:

Mehak is a Subject Matter Expert in Cybersecurity, Quantum Computing, and CMMC at her current firm, RSM US LLC. She was recently selected for and interviewed by Authority Magazine for their "Women Leading the Quantum Computing Industry" spotlight article as well as their "Future of Quantum Computing" article. Mehak holds Professional Certifications from Stanford University in Advanced Cybersecurity and Massachusetts Institute of Technology (MIT) in Quantum Computing. Additionally, she has a Master of Science in Information Systems and Operations Management and Bachelor of Science focused on the hard sciences both from the University of Florida. She also holds a number of industry recognized certifications including a CISSP, CISA, and CMMC-RP along with others. Furthermore, Mehak is an active member in the Cloud Security Alliance (CSA) Quantum Safe Security (QSS) Working Group (WG) for the last 2+ years. She authors the monthly editorial for the CSA QSS WG newsletter and participates in other initiatives, publications, etc. Recently, she helped develop and finalize a first of its kind countdown clock for quantum computers to show a quantum advantage. Since its release, the countdown clock has been referred to in several industry presentations including DEFCON 30 and a number industry articles. Mehak has also taken the time to build relationships with the CSA QSS global working group members which allows her to work effectively with the team.

Election for co-chair: David Butcher

Statement:

For many organizations we are at the beginning of the journey to quantum readiness. The Cloud Security Alliance's Quantum Safe Security working group has established itself as a trusted voice for those looking to learn about quantum preparedness. My goals as co-chair of the working group would be to continue to produce high quality educational material on quantum readiness. This should include both education for the broader community to foster understanding of the problem and the paths to mitigating the threat as well as deeper investigations into quantum computing's impact on specific technologies such as blockchain, identity management and data protection. Additionally, I would like to see interaction with other CSA working groups such as cloud key management and zero trust to integrate quantum readiness into their programs.

Bio:

Dave has had a computing centric career that has spanned the roles of developer, product manager, product marketing and technical sales. The last three years have included a focus on post quantum cryptography at Entrust and currently at PQShield. A graduate of the University of Michigan (MS Computer Science) and holds numerous certifications including the (ISC)2 CISSP and CCSP in security. Dave has been an active volunteer leader over the past 15 years serving in all IEEE Seattle Section roles (currently the IEEE computer society chair), two years as the IEEE region 6 northwest area chair (Washington, Oregon, Alaska) and a board member of the Puget Sound Engineering Council (currently serving as treasurer). <https://www.linkedin.com/in/davidabutcher/>

Link Open discussion & How to vote questions

Folks will vote via the link here:

<https://forms.gle/gztuYRTzg6GmL7JQ9> .

This link will be open for 24 hours only.

AOB

TBD

Thank you!

The goal of the Quantum-Safe Security (QSS) working group is to support the quantum-safe cryptography community in development and deployment of a framework to protect data whether in movement or at rest.

Visit our webpage:

<https://cloudsecurityalliance.org/research/working-groups/quantum-safe-security/>



Contact us:

Bruno Huttner and TBD, co-chairs

Hillary Baron, CSA Program Manager

Bruno Huttner



The document will be available on Circle after the call

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