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# MSPQC Newsletter

News, info and updates for MSPQC students at UW-Madison

September 17th, 2021

## Announcements

### Flu Shots Available Through UHS

Starting September 13, University Health Services (UHS) will offer flu shots to all students and employees. Campus community members can significantly reduce their chance of becoming ill by getting vaccinated. Visit [uhs.wisc.edu/flushots](https://uhs.wisc.edu/flushots) for dates, times, and locations throughout the fall semester.

## Professional Development & Events

### QED-C Student Research ePoster Sessions

The Quantum Economic Development Consortium (QED-C) hosts monthly Student Research ePoster Sessions in which students present on their research in quantum computing to a diverse audience of researchers, employers, students, and QED-C community members. Presentations last 10 minutes followed by a 5-minute Q&A session. This is a fantastic opportunity to expand on your presentation skills and to display your prowess in the field of quantum computing. If you are interested in participating, contact [Jackson Kennedy](#).

### CQE: Open Quantum Initiative Workshop

*Date: September 22nd - 23rd, 2021*

The Open Quantum Initiative (OQI) is a group of researchers, educators, and leaders among the Chicago Quantum Exchange (CQE) that champions the values of diversity, equity, and inclusion in quantum science. This virtual workshop will discuss the prevailing issues and barriers in the emerging field of quantum computing. Specifically, the workshop will help the CQE develop a program for undergraduate scientists early in their quantum careers to gain research experiences and build professional networks. Workshop participants will learn how they can engage with these efforts and become a more informed member of and advocate for an open quantum community. To register to attend, click [here](#).

### Quantum Creators Prize Symposium

*Date: September 29th-30th, 2021*

The University of Chicago invites applications for its first annual "Quantum Creators Prize Symposium", which will recognize the achievements of early career researchers in the broad areas of Quantum Science and Engineering. Click [here](#) to learn more and to apply.

#### **Quantum Employer Spotlight with Protiviti**

*Date: October 5th, 2021; 11:30 PM CT*

Join the Chicago Quantum Exchange (CQE) for a webinar highlighting Protiviti, an employer in the quantum information industry. Click [here](#) to register.

#### **D-Wave's Qubits Worldwide Users Conference**

*Date: October 5th - 7th, 2021*

Qubits is an excellent opportunity to connect with other innovators involved in quantum computing! The event will feature speakers presenting their latest work on quantum applications in manufacturing and logistics, financial services, biotech and pharma, energy, materials science, machine learning, and much more. It will also host educational sessions and tutorials for developers with all levels of quantum experience, from those who are new to quantum to those with advanced knowledge. Finally, D-Wave speakers will discuss the company's quantum roadmap and the latest development tools. Register [here!](#)

#### **Quantum Investment Summit**

*Date: October 12th - 13th, 2021*

Growing a vibrant quantum ecosystem and effectively commercializing innovative research requires making the right connections. The Quantum Startup Foundry presents the first annual Quantum Investment Summit bringing together top quantum private investors, thought leaders, experts and executives from the most innovative corporations, startups, academic institutions and government entities with two goals: (1) Increase startups' access to financial and talent resources; (2) Develop a broader, globally-connected ecosystem to support and accelerate the advancement and commercialization of innovative quantum technologies. Register [here](#) to join virtually or in-person!

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## **Employment Opportunities**

#### **MSPQC Career Toolkit**

MSPQC Program Coordinator Jackson Kennedy manages and updates the [MSPQC Career Toolkit](#). This is the central hub for professional development and job search opportunities for MSPQC students and is updated frequently. Contact [Jackson Kennedy](#) with questions, concerns, and suggestions.

#### **QED-C Student Database**

[QED-C](#) Maintains a database of students obtaining degrees in quantum computing. This database is shared with employers, internship providers, and consortium partners. To add yourself to this database, complete the [Student Info Form](#) (password: Students@QED-C) and use Jackson Kennedy (jkennedy3@wisc.edu) as your advisor email.

#### **Aliro: Research Engineer, Quantum Networks & Communications**

Aliro is hiring a Research Engineer, Quantum Networks & Communications who is passionate about doing pioneering work and building new software in this emerging branch of the quantum revolution. In this position, the incumbent will not only develop new techniques, but will also implement them in Aliro's stack and

product offerings. The incumbent will also work closely with the rest of the research team in developing new ideas and clever approaches to some of the hardest problems facing quantum networking and computing today.

#### **ColdQuanta: Various Openings**

ColdQuanta, the leader in cold-atom quantum technology, is on a quest to find scientists, physicists, and engineers to support research, development, engineering, and production of cold-atom technology. They are also seeking product and project managers, marketing, technical sales and business development professionals, developers, and corporate staff. ColdQuanta is tackling some of the hardest problems in fundamental science and engineering and benefits from having a diverse team. Please feel free to send referrals with resumes for open roles to [coldquanta@jobs.workablemail.com](mailto:coldquanta@jobs.workablemail.com).

#### **Aquila Technology: Software Developer - Quantum Systems**

Aquila is seeking a Software Developer to join our team in supporting one of this country's premier defense research organizations. A highly motivated, detail-oriented, scientifically driven software developer is needed to join a dynamic team of research scientists pushing the forefront of quantum engineering. The position will support at team conducting quantum information science research from a shared foundation of innovative control signal design, outstanding fabrication tools and well-equipped measurement infrastructure.

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### **Useful Links**

[Dates and Deadlines from the Office of the Registrar](#)

[MSPQC Career Toolkit](#)

[MSPQC Handbook](#)

[Professional Development from the Graduate School](#)

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### **Connect with us!**



#### **[Department of Physics](#)**

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*This newsletter is for MSPQC students at UW–Madison; we update the mailing list at the start of each semester. Please contact [Jackson Kennedy](#) with any questions.*