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# Physics Digest

News, info, and updates for Ph.D. students in Physics at UW–Madison

November 5th, 2021

## Announcements

### **New Graduate Coordinator**

Sharon Kahn will start as the Graduate Coordinator in the Department of Physics on Monday, November 8th, 2021. Sharon comes to the department most recently from the Neuroscience Training Program in SMPH. Sharon's office is 2320F Chamberlin Hall and her email is [sharon.kahn@wisc.edu](mailto:sharon.kahn@wisc.edu). Additionally, Jackson Kennedy will be leaving the Department of Physics to work in the Wisconsin School of Business. His last day will be November 23rd, 2021.

### **Update Bios on Physics Website**

Students can now provide/update their own bio on the department website. To do so, visit <https://www.physics.wisc.edu/internal/update-my-directory-entry/> (you should be prompted to log in with your netID if you are not logged in already). When filling out your bio, please remember it is the department's university-affiliated website, not a personal website. You certainly can share some personal things that are appropriate if you want, but please use discretion. We will work with Kevin Black and Mark Eriksson to set clear content policies if grey areas come up. Send any questions to [Sarah Perdue](#).

### **Spring 2022 Course Offering: Mobility and Inclusion in International Higher Education**

This interdisciplinary graduate course connects the discussion on diversity, equity, and inclusion (DEI) with the efforts of internationalization of higher education. Course participants will delve into inquiries on how promoting mobility in international education and advancing DEI in higher education can benefit and enhance each other. ELPA 940 will be taught in Spring 2022, please contact [Professor Meijia Li](#) for any questions or to learn more.

### **Memberships Available: UW-Madison APS Chapter**

The [American Physical Society](#) (APS) has approved UW-Madison for an APS Chapter, which is a new program for graduate students and early career scientists (defined as having received their PhD within the past five years). There are no fees or responsibilities required to be a member of the chapter and the chapter can request speakers from the APS and will receive a small grant every 6 months. In addition, chapter members who are also APS members may have the opportunity to apply for certain travel grants.

More information on the program can be found [here](#). The chapter will be holding officer elections beginning October 11th and you can sign up to be a member [here](#). For more information, contact [Luca Riitano](#).

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## Upcoming Events

### Department of Physics Event Calendar

See the departmental events calendar to be sure you don't miss any of the upcoming seminars, workshops, or journal clubs!

### Student Affairs: Campus Happenings

See the UW Student Affairs news website and scroll to the "current happenings" listing each week.

### A Life Unimagined with Aaron Williams

*Date: November 15th, 2021; 6 - 7 PM*

UW-Madison alumnus Aaron Williams, MBA '73, will deliver the keynote lecture for International Education Week. During the event, Williams will share formative experiences from his youth and defining accomplishments throughout his career, providing inspiration for the next generation who seek to lead on the world stage. He will also read excerpts from his newly released memoir, "A Life Unimagined: The Rewards of Mission-Driven Service in the Peace Corps and Beyond." Click [here](#) to learn more and to register.

### Last Steps to Completing the PhD Degree

*Date: November 16th, 2021; 12 - 1:30 PM*

In this in-person session you will learn about the Graduate School's requirements for completing your Ph.D. We will offer a brief intro to the electronic process for submitting your dissertation, the dissertation format requirements, and present information to help you make decisions about your thesis publishing options. This workshop is intended for Ph.D. candidates preparing to graduate in fall 2021 or spring 2022 Window Period. Register to attend [here](#).

### Student Employee Diversity Forum Series

*Date: November 18th - 22nd, 2021*

The University of Wisconsin-Madison will be hosting a series of virtual sessions for student employees on topics ranging from self care to equity in the workplace. More information on individual sessions can be found [here](#).

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## Professional Development

### QED-C Student Research ePoster Sessions

The Quantum Economic Development Consortium 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](#).

### **Delta Program: Inclusive Teaching Workshop**

*Date: November 5th, 2021; 9 AM - 12 PM*

Examine a range of inclusive teaching approaches to use in the classroom and beyond, and practice what to say during "hot moments" or difficult discussions. Click [here](#) to register.

### **Government Virtual Job Fair**

*Date: November 5th, 2021; 1 PM - 4 PM*

Students and alumni from all universities and colleges, seeking public service careers, are invited to participate and meet with recruiters from a range of government areas, including city, county, state and federal. Please be sure to register early for the available group and one to one sessions with recruiters. Be aware that MOST of the employers at this fair will require CITIZENSHIP for their opportunities. Click [here](#) for more information and to register.

### **Creating an Individual Development Plan (IDP)**

*Date: November 9th, 2021; 11:30 AM - 1:30 PM*

Fall is the perfect opportunity to take some time to think about what you need to do next—and over the next few years—so that you achieve your goals. We will discuss how to write achievable goals, identify resources, and develop strategies for implementing and sustaining your plans. Click [here](#) to register.

### **Delta Program: Understanding Levers of Change in Academia**

*Date: November 10th and November 24th, 2021*

Enacting change in big, complex institutions is a daunting task — especially for grad students, postdocs, and early career faculty — and knowing the levers of power on your own campus is an essential first step. In this two-part workshop, participants will do a deep dive into the structural aspects of change (regimented processes, deadlines, and rules) and the social components of power in higher education (key stakeholders, institutional culture, and unspoken norms). Click [here](#) for more information and to register.

### **How to Answer: "What Can I Do With My PhD?"**

*Date: November 11th, 2021; 11 AM*

A PhD can set you up for an academic career, but what else can you do with your PhD? In this Aurora webinar, L. Maren Wood, PhD, will talk about what employers value about your graduate education and training, and how to identify career opportunities where you'll thrive. Click [here](#) to register.

### **Overcoming by Understanding Academic Writer's Block**

*Date: November 30th, 2021 1 - 2:30 PM*

Facilitator Aurora Chang, PhD, will focus on the stories we tell ourselves about who we are as academic writers and how that narration impacts our perceived ability to write. She'll offer simple, practical ways to overcome academic writing blocks when they hit. Click [here](#) to register.

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## **Employment and Funding Opportunities**

### **Chicago Quantum Exchange: Summer 2022 Internships**

The following Chicago Quantum Exchange (CQE) members and partners are soliciting applications for summer 2022 interns: Argonne National Laboratory, Boeing, Corning, CQE: Open Quantum Initiative

Undergraduate Fellowship, IBM, Protiviti, & Super.tech. Click [here](#) for further detail on each internship. The [CQE website](#) is also kept up to date with the latest internship announcements.

### **Chicago Quantum Exchange: Postdoctoral Fellowship in Theoretical Quantum Science**

*Deadline: November 11th, 2021*

The Chicago Quantum Exchange (CQE), Computer Science Department (CS) and Pritzker School of Molecular Engineering (PME) at the University of Chicago are seeking exceptional candidates for the Chicago Prize Postdoctoral Fellowship in Theoretical Quantum Science. Chicago Prize Postdoctoral Fellows will have the opportunity to interact with physicists and computer scientists at the University of Chicago. Fellowships are awarded for a duration of two years to outstanding young scientists and engineers, with the possibility of a third year of support. Applicants should have a strong research background in their area of interest, Successful candidates are encouraged to collaborate with members of the broad experimental quantum information program at the University of Chicago. Applications focused on collaborative and cross-disciplinary research are especially encouraged. Click [here](#) to apply and send all questions to [Aashish Clerk](#).

### **Rockefeller University: Postdoctoral Positions**

*Deadline: November 15th, 2021*

The Center for Studies in Physics and Biology at The Rockefeller University expects to have a small number of postdoctoral fellowships available for appointments in September 2022. They are seeking theoretical physicists, mathematicians and computer scientists with a demonstrable interest in the interface between their discipline and biology. Click [here](#) for more information.

### **Ernst & Young Quantitative Advisory Service: Multiple Openings**

Ernst & Young provides professional services to large global/US banks with a specialized focus on quantitative methods and capital market products, including front-office pricing, Market, Counterparty Credit, and other risk models. They have both [full-time](#) and [part-time](#) positions available. To apply, submit an application on the website and email [Fangzhou Zhang](#) with a copy of your resume.

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## **Useful Links**

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

[Warrant Request Form](#)

[Graduate School Degree Deadlines](#)

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**Connect with us!**



[Department of Physics](#)

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*This newsletter is for Ph.D. students in Physics at UW–Madison; we update the mailing list at the start of each semester. Please contact [phddigest@physics.wisc.edu](mailto:phddigest@physics.wisc.edu) with any questions.*