



# Physics Digest

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

February 12th, 2021

## Announcements

### Current Student Volunteers Needed for Upcoming Prospective Student Virtual Visit Days

We will be virtually hosting students admitted to the Ph.D. Program for two sessions -- February 18-19, and March 4-5 -- and we'd love your help! We're aiming to provide as warm a welcome as we always have, so graduate student support is crucial. Sign Up TODAY! <https://forms.gle/ksp6KBHpLQjNPuwZ6>

- Virtual student host - partner with a up to a few prospective students as their point of contact. Attend a 'Meet and Greet' on Thursday at 6:00 - 6:45 pm
- Flip Grid submission - quick video submission introducing yourself to prospective graduate students
- Friday research area discussion - research area 'tables' are being replaced with meeting rooms, Friday at 11:45-12:30 pm
- Thursday evening virtual game night - 8pm
- Friday evening escape room - 7pm

### Delta Program's TA Teaching and Learning Hours

*Dates: every Thursday, 2:00pm – 3:00pm*

Are you looking for some support and community this semester as you teach? Each hour opens with a 10-Minute Teaching Tip followed by an organic conversation to address challenges you are facing in your classrooms.

[Asking great discussion questions \(asynchronous or synchronous\)](#)— *Thursday, February 25h, 2021*

[So you've got TA experience. What do you need to get the job?](#)— *Thursday, March 11h, 2021*

### Tax Tips for Graduate Students

*Date: March 5th, 2021; 9:30 AM-11:30 AM*

The WI Dept of Revenue is hosting a webinar exploring the how-to's of filing Wisconsin state income taxes.

### Black History Month - University of Wisconsin–Madison

Check out the various ways that UW-Madison is celebrating Black History Month.

### APS March Meeting Job Expo

*Date: March 16th-18th, 2021*

You do not need to be registered for the March Meeting and participation is FREE for job seekers!

Registering for this event does not give you access to the March Meeting. If you wish to attend the scientific sessions, register separately for the meeting on the [website](#).

### COVID-19 Updates

Be sure to check out the latest updates for spring semester as there are many new procedures for testing and accessing campus buildings.

### Payroll Schedule Change Coming in July

In July 2021, the UW System will move all employees who are currently paid monthly to a biweekly payroll schedule. In addition, most benefits deductions will be divided evenly between the biweekly paychecks.

## Thesis Defenses

### Thermal Transport Across Interfaces, Two-Dimensional Materials, and III-V Ternary-Alloy Superlattice

*Date: Friday, February 26th; 12:00 pm*

Gabriel Jaffe, Physics PhD Graduate Student, will defend his thesis.

### Electron-electron interactions in Si/SiGe Quantum Dots

*Date: March 8th, 2021; 2:00 PM*

Ekmel Ercan, Physics PhD Graduate Student, will defend his thesis.

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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, workshops!

### Student Affairs: Campus Happenings

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

### Spring 2021 Virtual Career Fairs

*Date: February 10th-25th, 2021*

A full listing of all virtual career fairs on Handshake can be viewed [here](#).

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## Professional Development

The following items are event highlights from the UW-Madison Graduate School Office of Professional Development:

### Investment and Retirement Planning Session for Graduate Students

*Date: March 2nd, 2021; 1:00–2:30 PM CST (Online)*

In this interactive workshop, Linda Lepe, CFP & Faculty Associate in the Personal Finance Program (SoHE), will share best practices for retirement planning and prioritizing expenses, loans, savings, and investments during and after graduate school. Leave with personalized financial goals and a plan and resources to accomplish them.

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## Employment Opportunities

### Postdoc/Senior Research Associate in Superconducting Quantum Devices for Dark Matter Experiments.

*Deadline: February 20th, 2021*

A Research Associate post is available for 3 years at Lancaster University to contribute to the project 'Quantum Science for the Hidden Sector'.

### Post-doctoral Fellowships in Atomic Physics and Quantum Optics at Ben-Gurion University, Israel

*Deadline: February 25th, 2021*

Post-doctoral researchers in the field of quantum optics, cold atoms, Bose-Einstein condensation, matter-wave interferometry, atom spectroscopy, magnetometry, and Quantum Physics in general are invited to apply. Students can apply for an International Postdoctoral Fellowships sponsored by the [Zuckerman leadership program](#).

### Director of Quantum Education, Chicago Quantum Exchange

The Director will develop, manage, and execute administrative efforts at University of Chicago for the new multi-institutional NSF Quantum Leap Challenge Institute, HQAN.

### Zurich Instruments internship opportunities

*Date: Summer 2021*

We are happy to share that Zurich Instruments will be offering two internship opportunities exclusively for [CQE students](#) starting summer 2021. You can contact [Maja Lang](#) for more information.

### Chicago Prize Postdoctoral Fellowship in Theoretical Quantum Science, UChicago

*Deadline: July 15th, 2021*

Fellowships are awarded for a duration of two years to outstanding young scientists and engineers, with the possibility of a third-year support. Please submit your application [here](#).

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## Funding Opportunities

### Straka Fellowship

*Deadline: March 7th, 2021*

This Fellowship will support a middle-class, middle-income dissertator. One dissertator will be selected for a 12-month fellowship with a \$28,000 stipend, full tuition and segregated fees, and access to health insurance.

### Dickie Fellowship

*Deadline: March 7th, 2021*

This Fellowship will support a UW-Madison graduate student who lived in Sauk County, WI at the time of matriculation at the UW-Madison. One graduate student will be selected for a 9-month fellowship with a \$22,909 stipend, full tuition and segregated fees, and access to health insurance.

### Spring 2021 Student Research Grant Competition awards

*Deadline: June 30th, 2021*

Funding for these awards generously comes from the Vilas Trust. Award levels are \$1,200 to \$1,500 for Research Travel and \$1,200 for Conference Presentation funds. Please apply [here](#).

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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.*

