



# Physics Digest

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

January 15th, 2021

## Announcements

### Spring 2021 COVID-19 Updates

In case you missed the important updates sent to graduate students earlier this week. An info session was also held and the recording can be found here: <https://www.youtube.com/watch?v=RKy6uZm19gY>

### Enroll for Spring 2021: Deadline 1/29/2021

The [deadline](#) to enroll for Spring 2021 is Friday, January 29th. The Physics 990 research class numbers can be found [here](#). Contact Michelle Holland with any questions ([michelle.holland@wisc.edu](mailto:michelle.holland@wisc.edu)).

### Spring 2021 Course - Inventions, Patents and Beyond

Tom Krupenkin (renowned inventor) will offer a this course this spring. This course is open to all UW Madison students.

### Union launches new winter activity event series

*Date: January 5th-February 14th, 2021*

The Wisconsin Union team will hold wintertime activities — including night hikes, photo opportunities, crafts and a scavenger hunt — during a new event series called [Winter Wonderland](#).

### Spring 2021 Course - Research Mentor Training Practicum (INTEGSCI 660, 1 credit)

Practicum course for graduate, post-doctoral or senior undergraduate students to be taken concurrently while mentoring an undergraduate engaged in an independent research experience.

### MLK UW Symposium: Author Isabel Wilkerson to Keynote

*January 25th, 2021*

Wilkerson is the author of “Caste” and “The Warmth of Other Suns” and she is the first African American woman to win the Pulitzer Prize for journalism.

### Nominations to the Edward A. Bouchet Graduate Honors Society

*Deadline: January 31st, 2021*

The purpose of the Edward A. Bouchet Graduate Honor Society is to recognize outstanding scholarly achievement and promote diversity and excellence in doctoral education and the professoriate. All PhD students who reach dissertator status before the start of the Spring 2021 semester and postdoctoral researchers can apply.

### Spring 2021 Virtual Career Fairs

*Date: February 10th-25th, 2021 via the Handshake career platform*

There are many great opportunities for students to meet online with employers to find full-time jobs and internships in a variety of interest areas and roles, or to ask questions and learn more about employers and career options.

### Vacant Graduate Student Seat on the University Libraries Committee (ULC)

Graduate students interested in serving on ULC will need to apply through The ASM Shared Governance Committee. Questions? [sharedgov@asm.wisc.edu](mailto:sharedgov@asm.wisc.edu)

## Thesis Defenses

### Optical Dipole Trapping, Narrow-line Cooling, and Single Atom Observation of Holmium Atoms

*Date: January 20th, 2021; 3:00 PM*

Christopher Yip, Physics PhD Graduate Student, will defend his thesis. You can join the event [here](#).

### 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.

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## Professional Development

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

### Winter Professional Development Challenge

*Date: January 1–31, 2021 (Online)*

Complete at least five activities in January to earn a limited-edition long sleeve shirt while investing in yourself at the same time! Professional development activities on a variety of topics will be revealed on the Winter Professional Development Challenge webpage beginning on the January 1 launch date. Stay tuned...

### A Practical Approach to Project Management for Graduate Students

*Date: January 21st, 2021; 9:00 AM–2:00 PM*

*Learn principles of project management and apply them to your own project in this collaborative, virtual program*

### Exploring Practices in the Classroom. Remote Teaching and Learning

*Date, January 26th, 2021; 11:00 AM – 12:00 PM*

This interdisciplinary learning community of TAs will help you develop an effective, inclusive remote classroom as well as navigate teaching challenges as they emerge throughout the semester.

### DELTA: Teaching in Science and Engineering: The College Classroom

*Date: January 27th, 2021; 1:00 PM – 3:00 PM*

Develop foundational knowledge of evidence-based pedagogical practices, explore how excellence and diversity are intertwined, and practice new teaching approaches in a supportive environment.

### DELTA: Book Club: Black, Brown, Bruised, talking about race and STEM education

*Date: January 27th, 2021; 12:00 PM – 1:00 PM*

We invite anyone and everyone to join us for a book club and community conversation around [Black, Brown, Bruised: How Racialized STEM Education Stifles Innovation](#) by Dr. Ebony Omotola McGee.

### DELTA: Research Mentor Training

*Dates: Tuesdays, 2:10PM – 3:00PM, starting January 26*

*Wednesdays, 9:30AM – 10:30AM, starting January 27*

*Thursdays, 4:00PM – 5:00PM, starting January 28*

Explore strategies to become a more effective, culturally responsive mentor, and discuss mentoring challenges as they arise.

### Understanding and Overcoming Procrastination

*Date: January 28th, 2021; 5:30–6:30 PM*

The goal for this workshop for graduate students, presented by James Gresh, M.S., UHS, will be to better understand why we procrastinate and to explore strategies to overcome our procrastination tendencies.

### Successful Online Learning

*Asynchronous/On-Demand (Online)*

Explore strategies to prepare to learn remotely, engage in your courses, and maximize your time. This module is for grad students taking their first online courses or those looking for some new resources on online learning.

### The DELTA Program Offerings:

#### Interested in semester-long support for teaching remotely?

Join a learning community of fellow TAs by enrolling in the Delta course [Exploring Practices in the Classroom: Remote Teaching & Learning](#)

#### Hoping to jumpstart your semester with a few TA workshops?

Consider signing up for Delta's workshops on [Holding Remote Office Hours that Students Use](#), [Designing and Facilitating Remote Discussions](#), and [Teaching Inclusively & Equitably from the First Day of Class](#).

#### Looking for drop-in conversations with other TAs to troubleshoot problems and share tips?

Check out Delta's [TA Teaching and Learning Hour](#), a weekly opportunity to address challenges together with your peers.

### Why Capable Students Suffer from Impostor Syndrome and How to Thrive in Spite of It

*Date: February 2nd, 2021; 11:00 AM–1:00 PM*

Millions of people around the world secretly worry they're not as bright and capable as other people "think" they are. Join us for an interactive presentation led by speaker and author Dr. Valerie Young.

### **3MT® Finals**

*Date: February 3rd, 2021; 6:00–7:00 PM*

Three Minute Thesis® or 3MT® is an international competition in which graduate students explain their research to a general audience in three minutes or less. Join us to watch the finalist presentations, hear from the competitors, vote on the People's Choice award, and see the winners announced!

## **Employment Opportunities**

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### **Academic Peer Tutors!**

*Deadline: January 21st, 2021*

Academic Match Program is a small-group tutoring program within [Greater University Tutoring Service GUTS](#). Tutors with the Academic Match Program will tutor 1-2 small groups for 1 or more high-enrollment courses at UW-Madison. Salary/Wage: \$11.00/hour

### **Postdoctoral Appointee Quantum Information Science**

Seeking postdoctoral scholars to join the Simulation & Systems Thrust of the Q-NEXT National Quantum Information Science Research Center at Argonne National Laboratory.

Please contact [Martin Suchara](#) with any questions.

### **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](#).

## **Funding Opportunities**

### **P33 Quantum Council Fellowships**

*Deadline: January 22nd, 2021*

P33 is a privately-funded non-profit focused on achieving an impressive mission – to transform our region into a tier one technology and innovation hub. P33 has a Quantum Council Fellowships program for graduate students who may be interested in getting more involved in the business community. Graduate students and postdoctoral researchers of CQE member institutions with at least two (2) years of QIST research experience are eligible to apply to this 12-month, paid, part-time opportunity for quantum researchers to engage with and shape the Illinois quantum ecosystem in partnership with the P33 Quantum Council, a small team of industry and entrepreneurial stakeholders designed to tactically build the regional quantum ecosystem. <https://form.jotform.com/202925846673061>

### **Spring 2021 Student Research Grant Competition (SRGC) Awards NOW LIVE in WiSH!**

Have you been invited to present your research at a conference, or do you need additional funds to support upcoming research travel in preparation for your final exhibition or thesis? If so, you should consider applying for a Student Research Grants Competition (SRGC) Travel Award. Awards up to \$1,500!

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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.*

