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# Physics Digest

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

January 8th, 2021

## Announcements

Welcome back! We hope you enjoyed a restful and relaxing winter break. The PhD Digest Newsletter will continue weekly through the spring 2021 semester.

### 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)).

### 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.

### 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.

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## 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:

### **Registration open for the UW Madison Teaching Academy's Winter LEaP**

*Date: January 11-12th, 2021; 9:00 - 11:30 AM*

If you are able to attend the entire synchronous times, register [HERE](#). If you are unable to register at the above link, registration is full. You may add yourself to the wait list [HERE](#).

### **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...

### **Work-Life Integration and Priority Management**

*Date: starting January 11th, 2021; 4:00 PM (30-minute meetings), Monday every other week*

This group will jump-start the Spring 2021 semester by exploring strategies for work-life integration and priority management.

### **Prelim Preparation**

*Date: starting January 12th, 2021; 4:00 PM (30-minute meetings), Tuesday every other week,*

Students in this group are preparing for prelims and will share preparation strategies and progress toward goals. Although exams can be very different across graduate programs, what we'll likely have in common is a desire to be organized, reduce stress, and share accomplishments.

### **Job Market Preparation**

*Date: starting January 13th, 2021; 4:00 PM (30-minute meetings), Wednesday every other week*

Find community among graduate students who are in various stages of job market preparation and share tips, tricks, and the journey with one another.

### **Virtual Coworking Space (Virtual Coffee Shop)**

*Date: starting January 14th, 2021; 4:00 PM (1-hour meetings), Thursday every week*

Work alongside other grad students in a virtual coffee shop setting. Choose to have your camera on or off as you sip your coffee or tea and take advantage of this great opportunity to work "next to" graduate students from across campus.

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

*Date: January 21th, 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!

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## **Employment Opportunities**

### **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

### **Public Engagement Programs Manager**

The American Physical Society (APS) is looking for Public Engagement Programs Manager. Please apply [here](#), if interested.

### **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](#).

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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.*