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Physics Digest

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

April 23rd, 2021

Announcements

April 24th and 25th UHS Vaccine Appointments

UHS is opening up vaccine appointments through the weekend, with pop-up clinics this Saturday and Sunday, April 24th and 25th, from 11 AM to 3 PM CST at the Nicholas Recreation Center. Thousands more appointments will be available next week. Schedule an appointment today [here](#) and for more information about vaccines, click [here](#).

Summer 2021 COVID-19 Campus Update

The Office of the Chancellor has distributed new campus COVID-19 building access, testing, and vaccination guidelines for Summer 2021. Please note that, effective May 10, 2021, access to campus buildings and facilities will no longer be limited to those with green/building access granted Badger Badges unless required by those overseeing a specific space, event, or other in-person activity.

Attending Graduation? Follow These Steps

UW-Madison graduates who wish to attend graduation at Camp Randall on May 8th will need to have a green badge on the [Safer Badgers app](#) and complete a [Canvas course](#). For more information, visit the [commencement website](#).

University Apartment Availability

If you're interested in affordable living close to campus, University Apartments has available units. For more information, click [here](#).

Spring 2021 Grading Policies Updated: SD/UD Available for Grad Students

UW-Madison will implement a very similar disruption grading policy in spring 2021 as it did in spring 2020, with the amendment noted below (see #2) that UD (Unsatisfactory-Disruption) be changed to (University Disruption-No Credit).

Change to description of spring 2020 "UD" grades: The UD grade, used on the transcript for the spring 2020 term, will remain as "UD". In public facing documents, such as the transcript legend and the Guide, the UD grade will be defined as "University Disruption-No Credit".

Pandemic transcript notation: In the transcript memorandum section for any student enrolled at UW-Madison during spring 2020-spring 2021, this standard statement will be applied: "A global public health emergency in spring 2020, summer 2020, fall 2020 and spring 2021 required marked changes to university operations that may have significantly affected student enrollment, learning and grading."

Summer and Fall 2021 Enrollment Happening Now!

[Summer 2021 enrollment began on April 5th and Fall 2021 enrollment will begin on April 12th](#). If you need to enroll in Physics 990, please review the instructions for adding by course number and the Physics 990 course numbers for Summer 2021 [here](#) and Fall 2021 [here](#). The Graduate School maintains a policy page on [minimum enrollment requirements](#). For questions, contact [Jackson Kennedy](#).

WISL Award for Communicating Ph.D. Research to the Public

The Wisconsin Initiative for Science Literacy (WISL) offers financial support to encourage Ph.D. students to include a chapter in their thesis describing their research to non-scholarly audiences. WISL offers the assistance of an editor to help you hone your chapter and an award of \$250 for each chapter completed. For further information, contact [Professor Bassam Z. Shakhashiri](#).

Thesis Defenses

Explorations of the Heterostructure, Fabrication, And Measurement of Si/SiGe Quantum Dots for Quantum Computation

Date: April 27th, 2021; 9:00 AM CST

Thomas McJunkin (Mark Eriksson, Faculty Advisor), Physics PhD Graduate Student, will defend their thesis.

The Role of Chaos and Magnetic Fields in the Cosmic Ray Anisotropy

Date: April 27th, 2021; 3:00 PM CST

Vanessa Lopez Barquero (Francis Halzen, Faculty Advisor), Physics PhD Graduate Student, will defend their thesis.

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.

Postdoc Diversity & Inclusion Forum

Date: April 30th, 2021; 2:30 PM CST

The UW-Madison Postdoctoral Association is holding a Postdoc Diversity & Inclusion Forum. This virtual event aims to highlight diversity, equity, inclusion, and justice (DEIJ) issues and challenges faced by UW-

Madison's postdocs from underrepresented groups. All campus members are invited to attend. For more information and to register, click [here](#).

Chicago Quantum Exchange: The Quantum Revolution

Date: May 5th, 2021; 10:00 AM – 11:30 AM CST

Join the [Argonne National Laboratory](#) as it celebrates its 75th anniversary with a colloquium discussing how quantum computing, communication and sensing will change the world. This event will feature a keynote by Dario Gil, Senior Vice President and Director of IBM Research followed by a panel discussion with top quantum technology researchers. For more information and to register, click [here](#).

Professional Development

ORNL Virtual Research Summer Institute

Deadline: April 30th, 2021

The Oak Ridge National Laboratory (ORNL) Virtual Research Summer Institute is a 10-week program which provides research opportunities and opportunities to connect with and receive mentorship from ORNL researchers. The institute lasts from June 7th to August 13th, 2021. For more information click [here](#) and to apply click [here](#).

Morgridge Workshop: Storytelling, Working with Journalists and Social Media

Date: May 7th, 2021; 9:30 AM - 12 PM CST

In this free and interactive workshop, participants will work with experts to engage with best practices for communicating scientific work to people outside their field, learn how science writers identify the best elements to include in compelling science stories, learn how to use social media to engage with scientists and public, and receive feedback on their own research “elevator pitch.” Please register [here](#).

Inclusive Teaching Workshop

Date: May 14th, 2021; 9 AM - 12 PM CST

As students interact with each other more often with active learning, how do you respond to “hot moments” or “difficult discussions” in the classroom? Aspects of prejudice, privilege and power regularly impact undergraduates on our campuses. Without training, knowing how to address these inequities effectively can be uncomfortable and challenging. This workshop is designed to build your confidence in using inclusive teaching strategies. For information and to register, click [here](#).

Summer Computational Physics Program: Rensselaer Polytechnic Institute

Date: June 23rd - July 16th, 2021

Rensselaer Polytechnic Institute will be hosting a boot camp and summer school on computational physics with particular emphasis on applications that require high performance computing. This program will be held entirely online and is open to advanced undergraduates and all levels of graduate students. you can apply for the program [here](#).

Employment Opportunities

Thermo Fisher: PhD Scientist

Thermo Fisher Scientific is hiring a scientist at their Madison site, which builds Raman, FT-IR and X-ray spectrometers and microscopes. Qualified candidates who have recently graduated with a PhD will be considered and experience in spectroscopy is not required. For more information, contact recent UW Physics alum [Julian Irwin](#) or apply [here](#).

University of Wisconsin - River Falls: Associate Lecturer

UW-River Falls will be hiring an associate lecturer position to teach algebra-based introductory physics (face-to-face) in a studio lab setting. The appointment could be for both Fall and Spring depending on the candidate. For more information, contact [Dr. Suruj Seunarine](#) or apply [here](#).

Q-Next Quantum Information Science Postdoctoral Appointees

The [Q-NEXT Center](#) will be hosting quantum information science postdoctoral openings with start dates in 2021. The postdoctoral scholars will have the opportunity to work at Argonne National Laboratory on projects of strategic national importance in quantum information science. For questions contact [Martin Suchara](#) and to apply, visit [here](#).

Ohio State University: John Wilkins Postdoctoral Fellowship

The Center for Emergent Materials (CEM), an NSF Materials Research Science and Engineering Center at The Ohio State University, seeks motivated candidates for the John Wilkins Postdoctoral Fellowship. For questions contact [P. Chris Hammel](#) and to apply, visit [here](#).

Princeton University Data Scientist

Princeton Computer Science is seeking a Data Scientist to work with its world-renowned faculty and students to solve biomedical research questions using novel computational approaches. For questions contact [Ellen DiPippo](#).

Azimuth Corporation Research Scientist

Azimuth Corporation in Dayton OH is searching for a research scientist to apply machine learning solutions to problems in quantum information science. Please email any questions, or forward a resume to [Dr. Perry Rice](#).

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](#).

Funding Opportunities

The Office of Science Graduate Student Research (SCGSR)

Deadline: May 5th, 2021

The SCGSR program supports supplemental awards to outstanding U.S. graduate students to conduct part of their graduate thesis research at a DOE national laboratory/facility.

Marie Christine Kohler Fellows @ WID Fellowship

Deadline: May 15th, 2021

Marie Christine Kohler Fellows @ WID are graduate students selected on the strength of their creative abilities and their commitment to contribute to interdisciplinary thought. Kohler Fellows work and collaborate within the Illuminating Discovery Hub at the Wisconsin Institute for Discovery (WID). For more information and to apply, go [here](#).

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](#).

Useful Links

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

[Warrant Request Form](#)

[Graduate School Degree Deadlines](#)

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 with any questions.