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Physics Digest

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

June 18th, 2021

Announcements

Summer AMP Library Hours

The Astronomy, Mathematics, and Physics Library inside Chamberlin Hall is reopening this summer on Mondays and Thursdays from 10 AM to 2 PM. The library plans to extend to daily weekday hours in August and the Fall schedule will be shared later this Summer.

Prepare Now! Payroll Schedule Change Coming in July

UW System employees, including graduate students, who are paid monthly will move to a biweekly payroll schedule beginning in July 2021. Visit the [Single Payroll resources web page](#) for frequently asked questions, budget planning information and [updated 2021 payroll schedules](#). Additional resources include [pay date models](#), [guides on updating contributions and withholdings](#), and a [paycheck estimator](#).

If you have automatic payments set up (for example, rent, car loan, utilities, etc.), review your monthly budget and prepare for biweekly paychecks. You may want to adjust your automatic payments to match your biweekly paycheck amounts. The UW System is partnering with UW Credit Union for a [Savings & Spending Plan Workshop](#) on Tuesday, June 22, 2021 at 5 PM CST. Finally, the UW System hosted and recorded single payroll virtual town hall meetings, which can be accessed [here](#).

University Health Services (UHS) Summer Offerings

As enrolled students on campus this summer, all students are eligible to utilize services provided by UHS. This summer UHS will be offering [group counseling](#) with 4 groups emphasizing the graduate student experience: the Graduate Student Support Group, Graduate Women Support Group, Graduate Students of Color Group, and Dissertator Support Group. UHS is also offering a Grad Resilience series, which are 1-hour lunch discussions for graduate students on Tuesdays at noon CST. Sign up for this series [here](#).

COVID-19 Vaccination & Campus Operations Update

The Office of the Chancellor sent out an update concerning [face mask requirements](#). See [here](#) for further information concerning building access, travel guidelines, and campus policies for COVID-19. As a reminder, University Health Services (UHS) has COVID-19 vaccine appointments available for employees and students. UHS is also now able to offer vaccines to anyone who lives, works or studies in Wisconsin,

including friends and family of UW–Madison students and employees. For more information and to schedule a vaccine appointment, click [here](#).

Fall 2021 Enrollment Happening Now!

[Fall 2021 enrollment began 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 Fall 2021 [here](#). The Graduate School maintains a policy page on [minimum enrollment requirements](#). For questions, contact [Jackson Kennedy](#).

Upcoming Events

Thesis Defense: Doug Endrizzi (Cary Forest, Faculty Advisor)

The Formation of Parallel and Perpendicular Collisionless Shocks on the Big Red Ball
Friday, June 25th at 10:30 am, B343 Sterling Hall or <https://uwmadison.zoom.us/j/92535586865>

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.

Professional Development

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](#).

Chicago Quantum Exchange Summer Workshop Series

Date: July 8, July 22, August 19; 12 – 1 PM CT

The Chicago Quantum Exchange, NSF QLCI on Hybrid Quantum Architectures and Networks (HQAN), and Q-NEXT are pleased to invite our members and partners to our joint Summer Workshop Series: a virtual series on different perspectives on quantum technology commercialization and career pathways. The workshops will be held on Thursdays July 8, July 22, and August 19 at 12pm CST, with optional networking afterward. Please click [here](#) to register.

UW-Madison Teaching Academy: 2021 TA-LEaP

Date: August 25th-26th, 2021

LEaP into teaching! Learn the basics of how we learn along with the 7 things UW-Madison students want most from their instructors! Explore the basics of syllabus, assignment and rubric design. Discuss assessment and learn the most common mistakes instructors make on exams, and how to avoid them!

Learn simple active learning techniques that you can apply in your classroom immediately and start developing materials for your own course while you learn! Become part of a community of practice with colleagues in all disciplines and get connected to other teaching and learning programs across the campus through the Teaching and Learning Collaborative.

Employment Opportunities

CNM: Postdoctoral Appointee

The Center for Nanoscale Materials (CNM) is seeking a postdoctoral researcher for the Dissipation-aided Microwave-Optical Entanglement program. The program aims to develop a high-frequency superconducting piezo-optomechanical system combined with dissipation engineering technique to generate highly entangled microwave-optical photons. For more information and apply, click [here](#) and search for requisition number 410139. For questions, contact [Dr. Xu Han](#).

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](#).

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

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.