



The Physics Observer

April 2nd, 2020

In This Issue

- [Welcome](#)
- [Chair's Corner](#)
- [Upcoming Events](#)
- [Milestones & Arrivals](#)
- [Research Awards & Grants](#)
- [Funding & Meeting Announcements](#)
- [Job Opportunities](#)
- [Selected Publications](#)
- [UW COVID-19 Response Information](#)
- [Community Relief Efforts in Response to COVID-19](#)

UPCOMING EVENTS

- July 8-July 10, 2021: [Summitting the Unknown](#), Celebrating the Legacy of Ann Nelson
- July 11-20, 2021
Snowmass 2021:
High Energy Physics
Community Planning

SEMINARS

- Friday, April 3, 2020,
12:00pm:

Virtual AMO Series,
Measurements of Isotope
Shifts in Yb Search for Dark
Matter (Vladan Vuletic,
MIT)

CONTACT US

physrecp@uw.edu
amhall2@uw.edu

Welcome

The Physics Observer is a periodic bulletin of happenings in and around UW Physics. Our goal is to share information of notable happenings, events, and news associated with the department. Please feel free to pass this newsletter to anyone who may be interested. Readers wishing to subscribe, or unsubscribe, may do so [here](#). Previous newsletters may be found on the physics website at [The Physics Observer Newsletter](#). Information for future editions may be sent to the editor, [Alexis Hall](#).

Chair's Corner (L. Yaffe)

I sincerely hope that everyone is staying healthy. Spring quarter is underway in the uncharted territory of online teaching for all classes, even teaching labs. Most research labs are on standby and everyone is wondering how long the acute phase of the coronavirus pandemic will last. I'm trying to remain as optimistic as possible.

Many conferences and workshops have been canceled, virtualized, or postponed as a result of the pandemic. This includes the meeting "Summitting the Unknown" in Ann Nelson's honor, which we were planning to host at the end of May. This meeting has now been rescheduled for July 8-10, 2021, immediately before the high energy physics Snowmass meeting which the UW will host in 2021.

Milestones & Arrivals

- ❖ [Alan Jedlow](#) celebrates 35 years of service with the University of Washington on April 24th

Research Awards and Grants

- ❖ Physics and Astronomy major [Keyan Gootkin](#) has been selected as a 2020 Goldwater Scholar. See: <https://www.washington.edu/news/2020/03/30/2020-goldwater-scholars/>
- ❖ Physics and Astronomy major [Claire Olde Loohuis](#) has been awarded a Mary Gates research scholarship. She has been working with Lecturer Amal al-Wahish on research involving neutron diffraction studies of proton conductors.
- ❖ Research Scientist [Fernando Vila](#) received 163K from SLAC National Accelerator Laboratory for Consortium for Operando and Advanced Catalyst Characterization via Electronic Spectroscopy and Structure
- ❖ Associate Professor [Gray Rybka](#) received a 575K grant from the US Department of Energy for the Generation 2 Axion Dark Matter Experiment (ADMX-G2): University of Washington Fabrication, Commissioning, and Operations in the 0.6-2 GHz Frequency Bands
- ❖ Professor [Boris Spivak](#) received a 40K grant from Los Alamos National Laboratory for Theory of Fluctuations and Onset of Hot Spots in Burning Media

Funding and Meeting Announcements

Applications accepted for the DOE Office of Science Graduate Student Research Program awards. Areas of interest include microelectronics, data science, fundamental symmetries, and accelerator science. See: <https://science.osti.gov/wdts/scgsr/>. Deadline **May 6, 2020**.

Rensselaer is hosting a boot camp and summer school on computational physics, “Advanced Cyberinfrastructure Training for Modeling Physical Systems at Rensselaer Polytechnic Institute,” with particular emphasis on applications that require high performance computing, June 3 – June 26, 2020 (Troy, NY). The boot camp and summer school is aimed at advanced undergraduates and all levels of graduate students. Housing, travel and meals are included. More information can be found [here](#). Those who are interested in applying should go to the following [web form](#) to complete the application process.

DARPA is hosting the 2020 Electronics Resurgence Initiative (ERI) Summit & MTO Symposium, August 18 – 20, 2020 in Seattle, Washington. The 2020 Summit will showcase technical achievements and demonstrations while highlighting leading voices from end users in the semiconductor and defense sectors. As with previous Summits, the 2020 event will also feature informative poster and networking sessions, as well as a series of collaborative workshops where attendees are encouraged to share new ideas. More information [here](#).

Job Opportunities

- ❖ Visiting professor of physics, Lewis & Clark College. See <http://apply.interfolio.com/75134>
- ❖ Researcher in Materials Science, University of California Santa Barbara. See www.professorpositions.com

Selected Publications

- ❖ “Towards windproofing LIGO: Reducing the effect of wind-driven floor tilt by using rotation sensors in active seismic isolation,” K. Venkateswara, M. Ross, J. Gundlach, et al, <https://arxiv.org/abs/2003.06447>
- ❖ “Charged multi-hadron systems in lattice QCD+QED,” S. Beane, M. Jafry, et al, <https://arxiv.org/abs/2003.12130>
- ❖ “First Detection of Coherent Elastic Neutrino-Nucleus Scattering on Argon,” N. Chen, J. Detwiler, M. Durand, K. Hansen, J. Librande, O. McGoldrick, C. Wiseman, <https://arxiv.org/abs/2003.10630>
- ❖ “Exciton-phonon interactions in nanocavity-integrated monolayer transition metal dichalcogenides,” D. Rosser, A. Majumdar, et al, <https://arxiv.org/abs/2003.02710>

UW Coronavirus Response Information

- ❖ UW Medicine’s mental health professionals have weighed in about how to cope with coronavirus-related anxiety and stress. Read more on UW Medicine’s Right As Rain blog under their article titled: “[What to Do If You’re Feeling Anxious About the Coronavirus](#).”
- ❖ Students can borrow laptops and other equipment for free through the Student Tech Loan Program. Equipment pickup and return is taking place in the first-floor lobby of Kane Hall from 9:30am-4:30pm. Equipment reservations are encouraged, and can be completed at stlp.uw.edu.
- ❖ The University Bookstore is closed until further notice, but they are offering free shipping for spring quarter course materials.
- ❖ Be wary of scams aimed at remote work and those that play into COVID-19 fears. Read more in the “[Scams Aimed at Remote Work](#)” article published by the Office of the Chief Information Security Officer found on ciso.uw.edu
- ❖ Use Ally in Canvas to ensure the accessibility of your course’s online content. This resource allows you to generate alternative formats of course files that work for all students, including those with disabilities. Learn more at itconnect.uw.edu under “[Ally accessibility tool for Canvas](#)”
- ❖ All UW Libraries are closed until further notice, but many of their services will be available remotely. See lib.washington.edu under “COVID-19 Updates” for more information.
- ❖ FedEx Express has implemented a temporary surcharge on all international parcel and freight shipments beginning **April 6th**.

- ❖ Package deliveries that can be postponed should be at this point. If this is not an option, it is recommended that deliveries should be re-routed and shipped to your home address. If this is still not an option, UW Mailing Services has offered to receive packages from UPS, FedEx, and DHL that are not hazardous or oversized. Include your name and department/building information. Their address is:
3900 7th Ave NE
Seattle, WA 98195

Community Relief Efforts in Response to COVID-19

- ❖ **The UW Emergency Baby and Kid Sitter Network** is a new program that matches family and friends of UW employees capable of providing essential baby and kid sitting services and childcare with UW families that urgently need it. See <http://uwhires.admin.washington.edu/eng/candidates/HRFormsExt/uwc3fam.aspx> for more information.
- ❖ Coronavirus is impacting local blood supplies. **Bloodworks NW** is short of donors, which will have serious consequences that put patients at risk. Healthy, eligible individuals can make an appointment to donate today at www.bloodworksnw.org
- ❖ All local nonprofits have been impacted by COVID-19. Consider making a direct donation to your favorite organization(s) or make a longer-term contribution through UW's Combined Fund Drive through the [MyCFD online portal](#). Here are some nonprofits:
 - **COVID Rapid Response Fund** organized by the Seattle Foundation, philanthropy, public, and private partners.
 - **ArtsFund COVID Response** in support of the arts.
 - **Global Impact COVID Response Fund** for the domestic and international COVID-19 response.
 - **University of Washington COVID Funds** for UW Medicine, Schools, and Students
 - **United Way of King County COVID Community Relief Fund.**
 - **Real Change Homeless Empowerment Project** in support of their vendor relief fund.
 - **Pioneer Human Services** in support of their relief fund for clients.
 - **TeenTix** a teen arts leadership council working alongside professionals during the crisis.
 - **Attain Housing** providing rental assistance for Eastside families.
 - **Bridge Disability Ministries** in support of those with disabilities who are a part of the most vulnerable populations.
 - **Boys & Girls Clubs of King County** providing free childcare for healthcare workers, first responders, public health and safety workers, and other essential business employees.
 - **Woodland Park Zoo** to help feed their animals daily.