

UWIP

Undergraduate Women in Physics

UWIP December Newsletter

UWIP MISSION STATEMENT

Undergraduate Women in Physics (UWiP) at UCSD is an organization dedicated to promoting women and other underrepresented minorities in physics by connecting students to community support and providing academic/professional resources. Some of our most popular events include: Coffee and Tea with Professors, Study Jams, Panels, Movie Nights, Women in Physics Presentations and a lot more!

General Announcements

***Winter break is just around the corner,
we know you can finish the quarter off strong!***

Save the Dates!

Final Exam Week: Saturday, December 12 - Saturday, December 19

End of Fall Quarter: Saturday, December 19

Winter Break: Saturday, December 19 - Monday, January 4

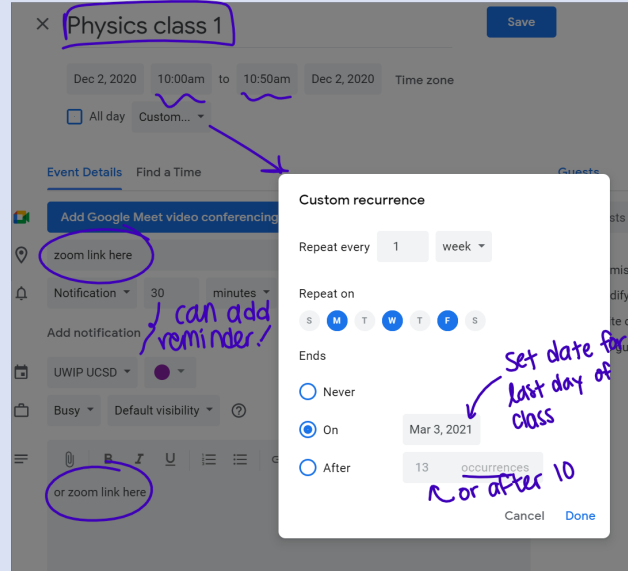
Start of Winter Quarter: Monday, January 4

End of Winter Quarter: Saturday, March 20, 2021

Quick Tip: Google Calendar

If you don't utilize Google Calendar already, we suggest you try it for Winter Quarter! To help manage your time, enter each of your courses for Winter quarter as **re-occurring events** by changing

the default "Does not repeat" next to the "All Day" checkbox when creating an event. You can **include the zoom links** for your classes as well so that you don't have to search for the zoom link every time you have class! You can even **download the Google calendar app** on your phone so that you can check it easily and if you have an iPhone, you can connect your google account to your iPhone and you can put a **calendar widget** on your widgets page to give you the hour-by-hour class breakdown.



This is a snapshot of what it looks like in google calendar (on a computer) when you are creating a re-occurring event. You can even set reminders so you get notified before your class starts! [Email us](#) if you have any questions, UWIP uses this every quarter to look at the physics courses to plan events!

All Events Flyer

Every quarter we have a flyer with all of our planned events. The details for each event are listed on the UWIP website and will also be announced via email and on our Instagram. We hope you are as excited for these events as we are!

Check out our website for more information:
uwip.ucsd.edu



GOOD LUCK ON FINALS EVERYONE!

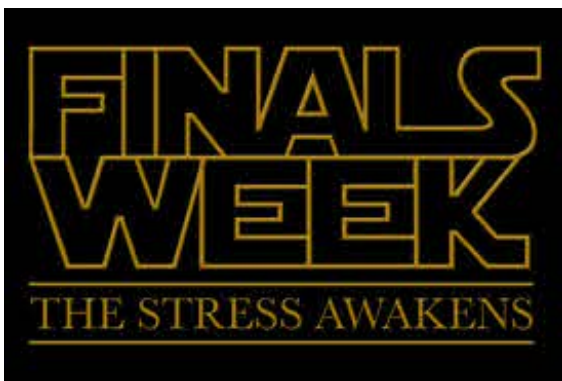
UWIP DECEMBER EVENTS

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Below you will find all the UWIP events and their details for the month of December! Keep up your studying but don't forget to take a break to get to know your UWIP community and all our organization has to offer for our fellow peers interested in Physics!

HOLIDAY MOVIE NIGHT: *Elf* Friday 12/4 at 7pm PST

In need of a good laugh? Join us for a showing of *Elf* to get rid of that post-midterm stress and prep for finals with a positive attitude! Make sure to wear your ugliest holiday sweater to be featured on our Instagram story!



Finals Study Buddy Reminder:

If you signed up for the Study Buddy Match Up don't forget to send out your care package to your buddy by Monday, December 7 so they receive it in time for finals!

Weekly Board Meetings

If you are interested in planning future events, consider attending some of our weekly board meetings. We would love to have your input! Email us for meeting details or feel free to reach one of our Co-Presidents Trinity



(tcarrasc@ucsd.edu) or Mikaela
(mmlarkin@ucsd.edu)



We're nearing the end of the quarter now, and you should be proud of all you've accomplished! It's natural to feel overwhelmed or burnt out, so feed your imagination by taking a study break to check out one of the fascinating talks happening this December.

The Student Success Center is currently accepting applications for an Alumni Industry Mentor at [this form](#)! Be sure to apply before the deadline on Thursday, December 10th at 5pm PST!

Take a look at this handy document provided by Physics advisor Toni Moore for links and information on Physics seminars!

[Fall 2020 Physics Seminars](#)

There's a whole wide world of knowledge to explore, so take advantage of the many amazing departments at UCSD and check out their individual pages and event calendars!

[UCSD Seminars By Department](#)

Now is a great time to look towards opportunities for the Winter, Fall, and Summer! Click the link below to access a calendar of Physics-related meetings, information sessions, and application deadlines to keep you one step ahead.

[Events and Opportunities](#)

Check these resources often for the latest and greatest information on all things Physics happening at UCSD!

Featured Seminars

HET Seminar

Tuesday, 12/08 @ 1:00pm

- Zoltan Fodor, Professor of Physics, University of Wuppertal

Zoom Meeting ID: 914 2674 5421 Password: 770795

Astrophysics Seminar: "Simulations and Observations of the Circumgalactic Medium"

Wednesday, 12/09 @ 3:30pm

- Ramona Augustin, Postdoctoral Fellow, Space Telescope Science Institute
(Click [here](#) to view Abstract)

Zoom Link: TBA on the [CASS Seminars](#) page

Plasma Seminar

Tuesday, 12/15 @ 9:00am

- Guilhem Dif-Pradalier, Physicist, CEA Cadarache, France

Zoom Meeting ID: 986 7397 8929

Stay Inspired, Tritons!

Women in Physics News

Trailblazing Female Astronomer Jocelyn Bell-Burnell Honored by Royal Society

Dame Jocelyn Bell-Burnell, the scientist who discovered pulsars, was honored with a commissioned oil painting by the Royal Society in London on the 53rd anniversary of her discovery which was last Saturday, November 28th.

This recognition comes 46 years after, what some would argue, was a snub of the Nobel Prize in Physics, which in 1974 was awarded in part for the discovery of pulsars without mention of Burnell.



At the time she was a 24-year-old PhD student at the University of Cambridge, working under the supervision of Antony Hewish. It was Hewish and radio astronomer Sir Martin Ryle who were jointly awarded the coveted prize "for their pioneering research in radio astrophysics...and Hewish for his decisive role in the discovery of pulsars." Although Hewish was the one recognized, and Burnell otherwise overlooked, it was she who primarily operated the large radio telescope used in the discovery and oversaw the data printouts collected for quasars (what the team initially sought out to study). Looking over the data, literally miles-long paper printouts, Burnell noticed a radio pulse in the graphs and after much work and analysis, she concluded that the signal was coming from "a star that ticked like a clock." Without Burnell's tireless work this rich discovery might have come much later.

Burnell continued on as an astrophysicist, and one without bitterness or resentment of a prize lost, whether it was due to her status as student or due to her gender, she actually thought she was better off without the prize:

"If you don't get a Nobel prize, you can actually do rather better.....whereas if you get a Nobel prize, people feel that they can't match it and you get nothing thereafter."

Burnell mentioned in an interview with BBC, how she felt she had to overcompensate for her feelings of imposter syndrome as a physics student at Cambridge by working extra hard at her research which is what eventually led to her groundbreaking discovery.

"...I felt very much an outsider - I was quite convinced they were going to throw me out at some point and decided I'd work really hard, until they threw me out, so that I wouldn't have a guilty conscience."

It has been a long time since Burnell has felt she might get thrown out of anywhere, earning her way to becoming the first female president of the Royal Society of Edinburgh, she has enjoyed a respectable and rewarding career as a physicist. Burnell also enjoys giving back to her community and fostering the next generation of scientists, most notably she donated a £2.3 million award she received for the 2018 Breakthrough Prize (for the discovery of pulsars) to underrepresented groups in physics research.

Her beautiful oil painting which will hang at the headquarters of the Royal Society is a tribute to hard work, which at the end of the day, never goes unnoticed.

Source Credit: BBC <https://www.bbc.com/news/uk-northern-ireland-55115120>

Thank you for checking out our newsletter and we hope you enjoyed it. We love hearing from our general members, so don't hesitate to reach out! If you have any suggestions, questions, or would like to contribute to our newsletter team just send us an email at uwip.ucsd@gmail.com. If you loved our newsletter and would like us to feature an event of yours or you have some cool info to share for next month's newsletter, please fill out this [form](#).

VISIT UNDERGRADUATE WOMEN IN PHYSICS (UWiP):

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Website: uwip.ucsd.edu

