

UWIP

Undergraduate Women in Physics

UWIP October 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!



Welcome to the new UWIP newsletter!

This is UWIP's debut newsletter! As we are starting the virtual quarter, we hope this will be a great resource for students. Every month we will be putting out a newsletter that includes general announcements, upcoming UWIP events, UCSD physics events, and women in physics news. We hope you enjoy it!

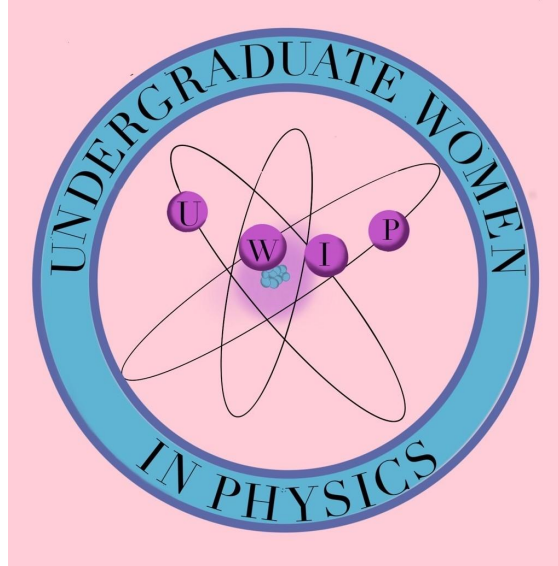
GENERAL ANNOUNCEMENTS

New Logo!

As you might have noticed, we have a

new logo! This is our official unveiling of the new UWIP logo. Shoutout to our Outreach Officer, Sarah, and to our Webmistress, Malina, for working so hard on it! Keep a lookout for this logo in your email or on your IG feed!

If you would like to learn more about our fabulous board members, you can check them out [here](#)!



Stay safe and remember to Vote! Here are some resources:

Procedures for Self-Quarantine under Covid-19

Self-quarantine is recommended for individuals who have been directly exposed to the new Coronavirus or have history of travel in infected or heavily populated areas.

Stay at home.
Limit all your non-essential travels.
Unless you're going out for food, medicines or other essentials.



Wash your hands.
Practice good hand hygiene by washing your hands with soap and water or using alcohol or hand sanitizer.



Check your temperature.
Check your temperature at least two times a day.



Stay in a specific room.
If you're sick or suspect yourself to be sick, it's best to stay in a designated room or area away from others.
If possible, have a designated toilet and bathroom as well.



Watch for other symptoms.
Aside from fever, Covid-19 symptoms include cough, difficulty breathing, and fatigue.



Call your doctor or hospital before visiting.
If you need to seek medical attention whether for viral symptoms or other medical care reasons, contact your doctor or hospital ahead of time so they can prepare and take precautions for your arrival.



Practice social distancing.
If you need to go out, maintain at least 2 meters (6 feet) distance from others.



Source • Centers for Disease Control and Prevention (cdc.gov)

VOTE RESPONSIBLY

EVERY VOTE MATTERS



LEARN MORE AT
[HTTPS://WWW.SOS.CA.GOV/ELECTIONS/VOTING-RESOURCES/VOTING-CALIFORNIA](https://www.sos.ca.gov/elections/voting-resources/voting-california)

Learn more about voting in California:
<https://www.sos.ca.gov/elections/voting-resources/voting-california>

Welcome First Years and Transfers!



UWiP welcomes you to UCSD Physics! We provide a safe space and support women, under-represented groups, and allies of which who are interested in physics. We are here to support you, please do not hesitate to reach out to us with any questions whatsoever!

ALL EVENTS FLYER

Every quarter we have a

flyer with all of our planned events. We try to have at least one awesome event for you to attend each week. 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



Member of the Month Shoutout

Every month we will be selecting a member of the month based on event attendance! Since we are early in the quarter, our first member of the month will be an outstanding board member that has made amazing contributions to the UWIP website over summer. Thanks Malina! We are so honored to have you as our Webmistress!

Get to know Malina, UWIP's Webmistress:



Q: What UWIP event are you looking forward most this quarter?

A: Halloween Movie Night!

Q: What are some of your favorite hobbies/what do you like to do in your free time when you're not studying physics?

A: When I'm not doing physics, I like to paint, draw, and collect plants!

Q: Lastly *and most importantly*...what's your favorite animal?

A: Sloths :)



OCTOBER EVENTS

Below you will find all the UWIP events and their details for the ~spooky~ month of October! 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!



GENERAL BODY MEETING

Hosted earlier this month, our first GBM introduced members to our club and gave everyone a chance to show off their charades skills! In case you missed it, the recording can be found [here](#)!



COMMUNITY SPACE SOCIAL

We're here to support you! Come by and destress with other members of the UWIP community through informal discussions about anything you would like, physics or non-physics related. This is a safe space for all!



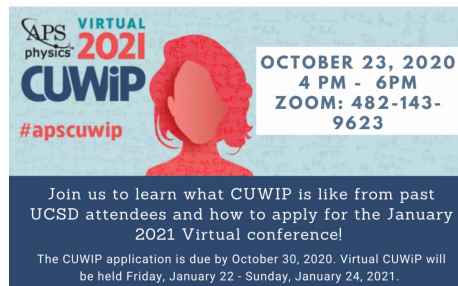
COFFEE AND TEA WITH PROFESSOR FRANO

Does quantum physics pique your interest? Are you taking Physics 4D this Winter? Then grab your favorite drink and join us for a brief research presentation and chat with Professor Frano!

UWIP at UCSD Presents:

[CUWIP APPLICATION WORKSHOP](#)

Conferences for Undergraduate Women in Physics



The poster for the Virtual CUWIP 2021 conference features the APS physics logo, the text 'VIRTUAL 2021 CUWIP', and the hashtag '#apscuwip'. It includes a red silhouette of a woman's head. The event details are: OCTOBER 23, 2020, 4 PM - 6 PM, ZOOM: 482-143-9623. Below this, it says: 'Join us to learn what CUWIP is like from past UCSD attendees and how to apply for the January 2021 Virtual conference!' and 'The CUWIP application is due by October 30, 2020. Virtual CUWIP will be held Friday, January 22 - Sunday, January 24, 2021.'

APS Conferences for Undergraduate Women in Physics (CUWIP)
APS Conferences for Undergraduate Women in Physics (CUWIP) are three-day regional conferences for undergraduate physics majors.
[apsphysics](#)

CUWIP WORKSHOP

Applications to the annual Conference for Undergraduate Women in Physics (CUWIP) are almost due! Come learn about the conference and how you can apply to attend (virtually) this upcoming January!



HALLOWEEN MOVIE NIGHT

Grab some candy and popcorn and join us to watch Coraline! We invite you to you to wear your costume and send the UWIP Instagram a DM to be featured on the UWIP Insta story! Friday, October 30 at 4-6pm Zoom: 482-143-9623

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 to Co-Presidents Trinity (tcarrasc@ucsd.edu) or Mikaela (mmlarkin@ucsd.edu)



With remote learning in full swing, UCSD is continuing to offer wonderful ways to stay connected and curious through a variety of seminars and colloquiums conducted over Zoom!

Our very own Physics advisor, Toni Moore, has put together a fantastic Google document with information and links to the Physics department Seminar Calendar, which will be updated with individual weekly seminar links as they are created for your accessing ease!

[Fall 2020 Physics Seminars](#)

Feeling interdisciplinary? Whatever your area of interest, UCSD has something to offer!

For a list of all the departments and their events, see:

[UCSD Seminars By Department](#)

Featured Seminars

CASS Astrophysics Seminars

Wednesdays @ 3:30pm

- 10/7: CASS-SDSU Seminar Welcome Event led by George Fuller and Eric Sandquist
- 10/14: Seyda Ipec, UC President's Doctoral Fellow, UC Irvine
- 10/21: John Chisholm, Hubble Fellow, UT Austin

Check out the [CASS Seminars](#) page for Zoom links and updated details!

Physics Seminar: Intrinsically Gapless Topological Phases

Wednesday 10/7 @ 4:00pm

- Ruben Verresen, Harvard University

Zoom link:

<https://ucsd.zoom.us/j/98484424846>

Be sure to check these resources weekly for additional events, updated abstracts, and information on attending.

Women in Physics News

The 4th *Ever* Female Winner of the Nobel Prize in Physics

On Tuesday, October 6, UCLA astronomer and professor Andrea Ghez became the 4th female recipient of the Nobel Prize in Physics "for the discovery of a supermassive compact object at the centre of our galaxy." Ghez, who leads UCLA's Galactic Center Group, has been studying a region called Sagittarius A* located at the center of our galaxy since the 1990s. Specifically, Ghez has been examining how stars in this region are being pulled by a invisible but massive object and flinging them at incredible speeds in their orbits.



Developing sophisticated methods to peer through the dense interstellar dust of our galaxy's center, Ghez has made the most compelling case yet that Sagittarius A* is a supermassive black hole, which are massive objects thought to lie at the center of all galaxies.

Source credit: Nobel Prize

<https://www.nobelprize.org/prizes/physics/2020/summary/>

Remembering Joan Feynman

The physics community lost a titan of astrophysics with the passing of Joan Feynman earlier this summer on July 21st; Feynman was 93 years old.

If that last name rings a bell that's because you've probably heard of her older brother, famous physicist and Nobel Laureate, Richard Feynman. Much like her brother, Feynman took a keen interest in the workings of the natural world and was set on becoming a scientist despite her mother's opposition. Her brother fostered her curiosity for science and she also noted to have been inspired by female astronomer, Cecilia Payne-Gaposchkin.



Some of Feynman's most notable accomplishments were her discovery of where auroras come from, discovering the shape of the Earth's magnetosphere, and developing a method to predict sunspot cycles. She was

also pioneer in solar physics. Upon her retirement from the Jet Propulsion Lab in Pasadena, CA, Feynman continued to work on problems regarding the impact of solar activity on Earth's climate.

Some kind words about Joan Feynman by APS CEO, Kate Kirby: "Joan Feynman leaves a legacy of exemplary scientific research, having made important contributions to our understanding of the solar wind, the earth's magnetosphere, and the origin of auroras. Despite being discouraged to pursue science by women in her family, she persevered, and her accomplishments serve as an inspiration to women who wish to pursue a career in science."

Source Credit: APS News

<https://www.aps.org/publications/apsnews/updates/feynman.cfm>

Artwork Honoring Black American Physicists



Ana Lyons is an undergraduate physics student at UC Berkeley, she currently works on a research project called the Dark Energy Spectroscopic Instrument (DESI) for the Berkeley Lab. We chose to highlight Lyons in our Women in Physics News this month because she recently used her artistic talent to pay tribute to Black American physicists through a 12- part poster series featuring 12 scientists. Lyons was motivated by current the nationwide upheaval surrounding race relations and issues to spotlight these often-undermined scientists who deserve much more recognition for their work. We admire her allyship and see it as an example to continue spreading awareness and positivity with regard to underrepresented communities. You can read her full interview [here](#).

Source credit: Berkeley Lab News Center

<https://newscenter.lbl.gov/2020/08/28/lab-researcher-and-physics-undergrad-shares-poster-project-honoring-black-physicists/>

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 <https://forms.gle/uAHExaitbpgggQeS9>.

VISIT UNDERGRADUATE WOMEN IN PHYSICS (UWiP):

Email: uwip.ucsd@gmail.com

Website: uwip.ucsd.edu



Visit UWIP's Website