How to present your research or other project for the UWF Virtual Symposium

The Office of Undergraduate Research invites all UWF students and faculty to share and celebrate their research and other scholarly work in a virtual Symposium on Thursday, April 16, 2020. This invitation is extended to the entire UWF community and is not limited only to those who had previously submitted an abstract to present.

The virtual Symposium will be hosted via OUR’s social media platforms, including Twitter and Instagram. Students and faculty are invited to post their research on social media, tag OUR (@UWF_OUR) and use the hashtags #UWF_SympoGoesVirtual and #uwfscholars20 so we can share it with the entire campus community. This is your opportunity to get creative! Some ways you might post your research include a Prezi of a poster with a recorded audio presentation, a short documentary of a research topic, photos of you doing research with the text of the impact of that experience or a video recording of a short musical performance.

OUR provides below some detailed instructions on three easy options for presenting your research or other project on social media.
Option 1 (easiest choice): Image(s) of research poster, photograph, or other with the title of your poster (280 characters or less preferable) posted directly to social media.

A. Post image of research poster.

You can add pictures of you standing with your poster or pictures of you while doing the research too.

Example 1: Image of poster and title for caption

Caption: A climatology of single-day rapid drought cessation events in the southwestern United States by Emily P. Harris and Dr. Jason T. Ortegren, Department of Earth and Environmental Sciences, University of West Florida

Image to post:

![A Climatology of Single-day Rapid Drought Cessation Events in the Southwestern United States](image-url)
Example Option 2: Image of poster and second image of abstract and title for caption

Caption: A climatology of single-day rapid drought cessation events in the southwestern United States by Emily P. Harris and Dr. Jason T. Ortegren, Department of Earth and Environmental Sciences, University of West Florida

A Climatology of Single-day Rapid Drought Cessation Events in the Southwestern United States
Emily P. Harris and Dr. Jason T. Ortegren

INTRODUCTION
Drought is a natural component of the hydroclimatology of the southwestern USA. Much research has focused on causes, spatial and temporal variability, and the economic and ecological impacts of drought in the Southwest. However, less attention has been paid to the occurrence of drought termination in the region, especially Rapid Drought Cessation Events (RDCEs), which can be responsible for ending up to 73% of warm-season droughts. Here, we identify the “Southwest” drought region using Principal Component Analysis (PCA) of the annual average Palmer Drought Severity Index (PDSI) for all NOAA state climate divisions in the USA. For the Southwest region, 9,256 droughts occurred during 1895-2017. 575 (6.2%) of these droughts ended abruptly (in one month’s time). Furthermore, 54 (0.6%) of those RDCEs occurred in a single day. The majority of RDCEs, and single-day RDCEs, occurred in fall, with a secondary maximum in winter. Droughts of short (<6 months) and long (>3 months) duration were ended by single-day RDCEs. Similarly, RDCEs were able to end droughts of varying severity, including extreme (e.g. -5.68 PDSI recorded in November 1951) and moderate (e.g. -2.01 PDSI recorded in April 1929) droughts. The frequency of single-day RDCE increased from the first to the second half of the period of study, with the greatest increase in the winter season and most occurring in Arizona. Analyses are in progress to identify the storm type responsible for every occurrence of RDCE and describe the spatiotemporal properties of RDCE associated with each storm type.

ABSTRACT
Drought is a common and important component of the hydroclimatology of the southwestern USA. Much research has focused on causes, spatial and temporal variability, and the economic and ecological impacts of drought in the Southwest. However, less attention has been paid to the occurrence of drought termination in the region, especially Rapid Drought Cessation Events (RDCEs), which can be responsible for ending up to 73% of warm-season droughts. Here, we identified the “Southwest” drought region using Principal Component Analysis (PCA) of the annual average Palmer Drought Severity Index (PDSI) for all NOAA state climate divisions in the USA. For the Southwest region, 9,256 droughts occurred during 1895-2017. 575 (6.2%) of these droughts ended abruptly (in one month’s time). Furthermore, 54 (0.6%) of those RDCEs occurred in a single day. The majority of RDCEs, and single-day RDCEs, occurred in fall, with a secondary maximum in winter. Droughts of short (<6 months) and long (>3 months) duration were ended by single-day RDCEs. Similarly, RDCEs were able to end droughts of varying severity, including extreme (e.g. -5.68 PDSI recorded in November 1951) and moderate (e.g. -2.01 PDSI recorded in April 1929) droughts. The frequency of single-day RDCE increased from the first to the second half of the period of study, with the greatest increase in the winter season and most occurring in Arizona. Analyses are in progress to identify the storm type responsible for every occurrence of RDCE and describe the spatiotemporal properties of RDCE associated with each storm type.
B. Instructions on how to post an image of research poster
   a. From PowerPoint to Image
      i. Refer to Save a slide
   b. From PDF to image
      i. You can use a variety of online conversion websites such as, www.convert-my-image.com.

Option 2: Post narrated powerpoint presentation with the title of your poster (280 characters or less preferable)

A. Post narrated powerpoint presentation

You can add a narrated (audio only) or audio and visual presentation (if you have a webcam available) to your powerpoint presentation. This option is available for those that choose to use a single slide poster or a multi-slide presentation (such as students presenting oral reports for a class or research).

Example Option 2: Image of poster (OUR Announcement of Virtual Symposium on Facebook 3/23/2020) and title for caption

Caption: The office of undergraduate Research is excited to announce that The UWF Student Scholars Symposium and Faculty Research Showcase IS GOING VIRTUAL! The Office of Undergraduate Research (OUR) invites all UWF students and faculty to share and celebrate their research and other scholarly work in a virtual Symposium on Thursday, April 16, 2020. This invitation is extended to the entire UWF community and is not limited only to those who had previously submitted an abstract to present.

Please continue to check OUR’s website @uwf.edu/our for more details and information, plus how to use resources to present and share to share your work.

Narrated powerpoint presentation [mp4 (video) file upload]:

How to present your research or other project for the UWF Virtual Symposium
Join us!

UWF VIRTUAL
Student Scholars Symposium &
Faculty Showcase
April 16, 2020
uwf.edu/our

Image 1=Narrated presentation (click the link below for example)
2020 UWF Symposium Goes Virtual Announcement shared on the OUR webpage and social media sites

B. Instructions on how to post a narrated or a narrated with visual (webcam needed) presentation
   a. Follow this guide, Record a slide show with narration and slide timings

Option 3: Post video of your poster presentation
A. Post a video recording of your poster presentation. Recommend 2 minutes long (3 minutes max).

The video should capture you explaining your poster in 3 minutes or fewer. The video is designed for viewers to watch you present as if you were at an in-person poster session. When filming, adjust the camera view so that both you and the poster are captured in the shot at all times. Please be sure that the video is not zooming just on your face, zooming on portions of the poster, or alternating between you and the poster. The video can be recorded using a camera or smartphone and uploaded to YouTube and other social media sites. Keep in mind some sites like Facebook and Twitter have a maximum time length on videos.

You can record your presentation in front of a physical, printed poster or in front of a digital image of your poster created using an LCD projector or large screen monitor.

5 How to present your research or other project for the UWF Virtual Symposium
Upload Requirements:
Title your video, “UWF Virtual Student Scholars Symposium [2020] - Your Name”

Add a short description of the video, include the title of your research, and the abstract if available. Please add a link to your UWF department and/or college and include #UWF_SympoGoesVirtual and #UWFscholars20.

If you require other accommodations for your participation, please contact us.

Example Option 3: Video of poster presentation

Caption:
UWF Virtual Student Scholars Symposium [2020] - Kirtley Wilson
Title: A Statistical Analysis of Different Types of UAVs Over Various Northwest Florida Environments

Abstract:
Unmanned Aerial Vehicles or better known as UAVs have become a great significance in today’s time but is on the rise to becoming one of the best tools for scientific research due to their capability in gathering data, they are cost-efficient in comparison to alternative aerial imagery collection methods, and are simple enough to allow for independent operation. With this study, we want to be able to assess whether or not the capability of inexpensive UAVs is equivalent to what would be considered a research-grade UAV on their ability to collect relevant data. The different types of data that we will be focusing on in this project is the differences between constructed orthomosaics, vegetation analyses, and Digital Elevation Models (DEMs) with the two different UAVs over two separate ecosystems, one being wetlands and the other being dunes. We will also be comparing the difference between two different programs, one being Agisoft, Pix4D, and ArcPro. With these programs, we will be comparing how accurate they are from one another and compare times on which it takes each one to generate the models we would use to compare the UAVs. With each of these different types of data, we will perform various statistical analyses on each of these different elements and hopefully find an answer to the question, at what elevation does the data from both types of UAVs become statistically different from one another? The results that we are hoping to find would mean that companies or even schools will be able to do research-type studies with UAVs at an affordable cost.

uwf.edu/hmcse @uwfhmcse

#UWF_SympoGoesVirtual and #UWFscholars20

B. Instructions on how to post a narrated or a narrated with visual (webcam needed) presentation

6 How to present your research or other project for the UWF Virtual Symposium
a. To upload your video (mp4) to YouTube, please follow this guide using your UWF email address. [Upload Videos]

b. Follow the advanced settings and add additional details such as tags, the video recording date and other pertinent information for the public viewer.

c. Copy and share your YouTube video link of your poster presentation.