

THE ANGLER

NEWSLETTER OF THE COLORADO/WYOMING CHAPTER OF
THE AMERICAN FISHERIES SOCIETY

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EDITED BY KENDALL BAKICH & BEN FELT

2022 CO/WY Chapter Meeting March 1 - 3

Fostering Aquatic Resiliency

Registration opens: January 7

Abstracts due: January 21

It will be a virtual meeting.

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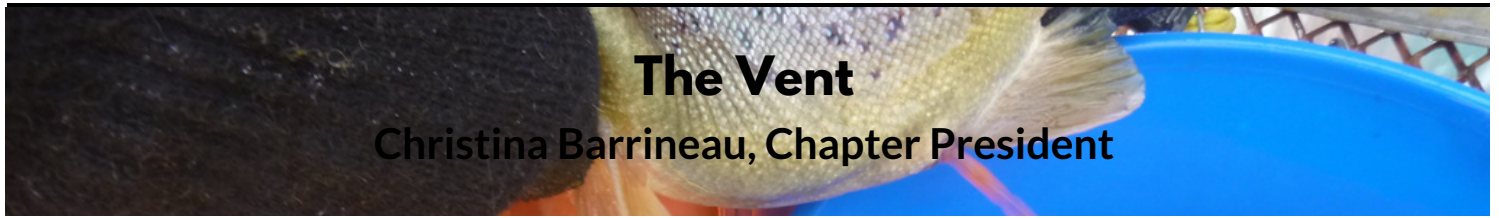
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COMMITTEE MEMBERS LISTING



Happy 2022! I'm sure we were all hoping to meet in person this year, but by the looks of things, I'm glad we made the decision to hunker down in front of our computers for one more meeting. I'll see you on Zoom in March but plan on seeing you in person in 2023 in Fort Collins.

Our 56th Annual Meeting of the Colorado/Wyoming Chapter of the American Fisheries Society will be held virtually March 1-3, 2022. The theme of our meeting is "Fostering Aquatic Resiliency". We have all been very resilient throughout the pandemic and I would love for us to share how we can foster resiliency with aquatic organisms and their environments. Both states have had fairly large wildfires (i.e., Mullen Fire, Cameron Peak Fire, East Troublesome Fire, etc.) within the last 2-3 years that have changed landscapes as we know them. What do these changes mean for fish, for water, for vegetation? What can we do for management?

Our plenary session on March 1 is really shaping up to help us think about how we can foster aquatic resiliency. Shawn Conner, Ecologist and Restoration Specialist with Bio-Logic, will discuss how to read the landscape and why keeping water on the landscape is important for fisheries. Dr. Emily Fairfax, Assistant Professor at California State University Channel Islands, will present her research on beaver habitat and wildfires. Some of her research has occurred in Colorado and Wyoming. Stay tuned for more information on our plenary!

Our Continuing Education Committee has put together three excellent virtual continuing education courses for us this year - way to go, Dan! Better yet - they are all included in your registration fee! The fantastic Continuing Education classes offered as part of the 2022 Annual Meeting include topics on:

- The applications of drones in fisheries science
- How to create and deliver engaging presentations
- Low-tech approaches to river restoration

More information on continuing education classes is found later in this issue of the Angler.

We are using new event management software, Whova, for this year's meeting. Registration will be through Whova, as well as presentations, continuing education, and any socials. The agenda will be within the Whova App and located on our event website. Please be sure to check those out. You will not be able to attend the meeting without signing up for the Whova App (computer and/or mobile phone). Zoom session links will be embedded within the app.

We hope Whova will make our virtual meeting hiccup-free, but please bear with us as we learn this new software. For the web-based app, Chrome is the recommended browser to use with Whova. You may experience difficulties using another browser.

I don't happen to be a super-social person, but Whova offers several opportunities for attendee engagement including chat features, web article sharing, a Community Board, and much more. I hope folks find the ability to chat and share items throughout the meeting useful and engaging. We are also going to try a feature called Speed Networking. Imagine being placed in a virtual room with three other people for five minutes. It will be your opportunity to break out and get to know other Chapter members virtually! I know some have rolled their eyes at this option, while others think it sounds really interesting. I hope you'll break out of your comfort zone and join us. We'll offer one or two rounds of this feature for networking.

Other items we may include are a Student-Hosted Social or Quiz Bowl. Our student subunits enjoy the opportunity to mingle with professional members. Please sign up during registration and details will follow. I'm also looking into showing a short film on the evening of March 1. Stay tuned for more details.

I'm looking forward to seeing everyone virtually! If you have any questions about the meeting, please contact me at christina.barrineau@wyo.gov or 307-745-4046.

WANT TO HELP OUR CHAPTER OUT?! DONATE TO TODAY!

ANYTHING HELPS! DONATE TO THE CO/WY AFS CHAPTER HERE:
[HTTPS://CHECKOUT.SQUARE.SITE/BUY/AVP6LHVVTM5ECPAX5QHJVGHW](https://checkout.square.site/buy/avp6lhvvtm5ecpax5qhjvghw)

2022 CO/WY ANNUAL MEETING DETAILS

General Meeting Information

Available on the Colorado/Wyoming AFS website:

<https://units.fisheries.org/cowyafs/>

Annual Meeting Details and Registration

Found on the 2022 CO/WY AFS Annual Meeting website:

https://whova.com/web/afsm_202203/

Check this often as we are updating it often as the program comes together.

Registration is Open!

- Register as a Professional (\$60) or Student (\$20) on our event website:

https://whova.com/web/afsm_202203/

- *Registration waivers* are available this year for professional members whose employer does not provide financial support for participation at annual CO/WY AFS Chapter meetings. We want to make sure cost is not a barrier to participation. The Chapter Excom and the Inclusion and Diversity Committee would like to make any professional Chapter member in an unsupported position aware of the registration waivers for this year's meeting. Please contact Steve Gale at steve.gale@wyo.gov for more information.

All of these links are found on the CO/WY AFS website:

<https://units.fisheries.org/cowyafs/>

Submit Abstracts Here

https://docs.google.com/forms/d/1T3p_dpq_INPJdWuEkzeTWsd_t0LkLOj4iVTO8THNMc/viewform?edit_requested=true

MEETING DEADLINES

JANUARY 21

Abstracts Due

Award Nominations Due

Photo Contest Entries Due

FEBRUARY 15

Pre-recorded Oral Presentations

Posters

2022 CO/WY Meeting Agenda at a Glance

Monday, February 28

8:00 -11:30 am Continuing Education - *Applications of Drones in Fisheries Science*

Tuesday, March 1, 2022

9:00 am-10:30 am Continuing Education - *Giving a Presentation vs. Standing in Front of People and Saying Words - Tips and Tricks to Create and Deliver an Engaging Presentation*

1:00-3:30 pm Opening Remarks and Plenary Session

3:30-4:00 pm Networking

4:00-5:00 pm Contributed Papers

6:00-8:00 pm Possible Evening Film

Wednesday, March 2, 2022

8:00 am-12:00 pm Continuing Education - *Low-Tech Process Based Restoration of Riverscapes*

1:00-2:00 pm Business Meeting

2:00-5:00 pm Contributed Papers and Poster Session

6:00 pm -? Student-hosted Virtual Social or Quiz Bowl

Thursday, March 3, 2022

1:00-2:00 pm Awards Presentation and Raffle Drawing

2:00-5:00 pm Contributed Papers and Closing Remarks

2022 CO/WY AFS Photo Contest

Please consider submitting your high-quality fish, people, and landscape photos for the 2022 Member Photo Contest. Visual media is a great way to tell your story. A special sub-committee will vote on the top three photographs and a prize awarded for the best artistic depiction of...I guess we will have to wait and see! The deadline for submissions is January 21. Please email your high-resolution digital photographs (limit three submissions per person) for the Photo Contest to John Woodling at woodling@colorado.edu



2021 Photo contest winner - Sarah Gump

SECOND CALL FOR PAPERS



SEEKING ORAL AND POSTER PRESENTATIONS!

We are once again looking for members to share some of the great work they have been doing over the past year by giving an oral presentation or presenting a poster at the 2022 CO/WY AFS Annual Meeting. The meeting will again be virtual. All papers are welcome, including formal scientific studies and general informational talks. We make every effort to include every presentation in the program. You will be notified of your presentation time and date two weeks prior to the meeting. Abstracts can be submitted by visiting the Colorado-Wyoming AFS website (cowyafs.org) and following the link.

The **Final Deadline for abstract submissions is January 21, 2022**. For additional information or questions, you may contact: Annika Walters – 307-766-5473, annika.walters@uwyo.edu; John Walrath – 307-875-3225 x8617, john.walrath@wyo.gov; John Woodling – 970-361-7004, 303-771-9866, woodling@colorado.edu

VIRTUAL PRESENTATION AND POSTER GUIDELINES

Live Oral Presentations: Live oral presentations have the option of a 10- or 20-minute time slot. Please allow for 2-5 minutes of questions during this time. For live presentations, presenters will share their screen to the group within zoom so they can maintain control of their slide progression.

Pre-recorded Oral Presentations: Pre-recorded oral presentations can be up to 20 minutes. These talks will be uploaded to the CO/WY AFS website or meeting virtual platform for members to view at their leisure. In order to post them for the meeting, **pre-recorded presentations must be submitted by February 15.**

Poster Presentations: For poster presentations please restrict your poster to a single PowerPoint slide. Be sure to include your contact information on the poster so that folks can contact you with questions. Posters will be uploaded to the CO/WY AFS website or meeting virtual platform for members to view at their leisure. In order to post them for the meeting, **posters must be submitted by February 15.**

CHECK THIS OUT!

How to record a presentation on Zoom

<https://www.ou.edu/cas-online/website/documents/Using%20Zoom%20to%20Record%20Presentations.pdf>

CONTINUING EDUCATION

ORGANIZED BY DAN KOWALSKI

Here are the details regarding the *three exciting Continuing Education classes* offered virtually at the 2022 CO/WY AFS Annual Meeting! All Continuing Education courses are included in the cost of registering for this year's virtual meeting. Register for Continuing Education classes with your meeting registration here:

https://whova.com/web/afsm_202203/

Applications of Drones in Fisheries Science

by J. Mason Harris, Dr. James Nelson, Dr. Whitney Broussard III, and Dr. Guillaume Rieucou

Monday, February 28, 8 AM - 12 PM

Course Description - The use of unmanned aircraft systems (UASs), commonly referred to as drones, has rapidly expanded across many scientific disciplines. Like other fields, fisheries research would benefit significantly from broader use of this emerging technology but has lagged behind other disciplines. The goal of this continuing education seminar is to provide information on how drones are being used academically and professionally for fisheries applications, stream and wetland restoration projects, water management projects, landscape and habitat mapping using photogrammetry, and land cover classification techniques. The seminar will cover case-study examples as well as provide information on equipment considerations, software, operations, regulations, licensing and permitting, and putting together workflows for quantitative data and image analysis.

Speaker Biographies -

J. Mason Harris is an environmental consultant with Axiom Environmental, based in Raleigh, North Carolina. He holds a master's degree in biology from the University of Louisiana at Lafayette and currently specializes in stream and wetland restoration, natural resource management, fisheries ecology, and using drones for aquatic restoration projects.

Dr. James Nelson is an Assistant Professor at the University of Louisiana at Lafayette most interested in the fish related components of marine ecosystems. He uses a combination of field surveys, experimental approaches, stable isotope analysis, and mathematical modeling to quantify the functional role of marine organisms in mediating energy flow, biogeochemical cycles, and community structure.

Dr. Whitney Broussard III is a Senior Scientist at JESCO, Inc. in Louisiana, with expertise in coastal ecology and geospatial technology. He leads the geospatial program at JESCO in support of coastal restoration, water management, natural resource management, environmental remediation, and survey/mapping efforts for local, state, and federal agencies.

Dr. Guillaume Rieucou is an Assistant Professor at the Louisiana Universities Marine Consortium. He is interested in fish ecology behavior, especially understanding how predation, environmental conditions, anthropogenic disturbances, and fisheries affect the behavior of fish species in marine and estuarine ecosystems.

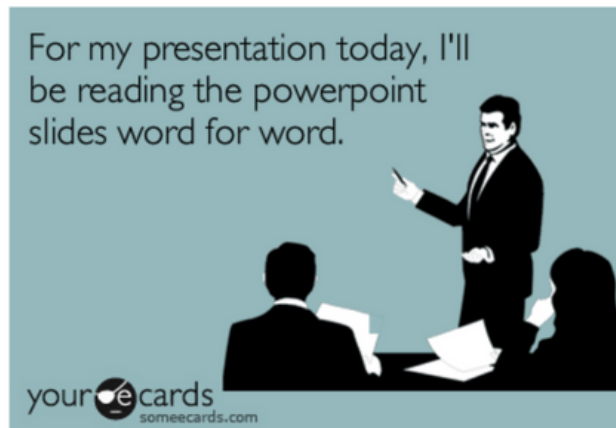
CONTINUING EDUCATION

SIGN UP FOR CLASSES WHEN YOU REGISTER FOR THE MEETING HERE:
[HTTPS://WHOVA.COM/PORTAL/REGISTRATION/AFSM_202203](https://whoa.com/portal/registration/afsm_202203)

Giving a Presentation vs. Standing in Front of People and Saying words - Tips and Tricks to Create and Deliver an Engaging Presentation

by Dr. Jesse Trushenski

Tuesday, March 1 from 9 AM to 10:30 AM



Course Description - If you've been to a professional meeting, odds are you've seen some great talks... and at least a few presentations that missed the mark. Content matters, of course, but the best presentations have both style and substance. In this course, you will learn tips for presenting data effectively and accurately, formatting fixes to level up your PowerPoint game, and a bit about the psychology of crafting memorable messages.

Speaker Biography - *Dr. Jesse Trushenski* is the Chief Science Officer for Riverence, the largest producer of farmed Rainbow Trout and Steelhead in the Americas and the only domestic commercial supplier of Atlantic Salmon and Coho Salmon eggs. Before joining the private sector, Jesse was an Associate Professor at Southern Illinois University and Fish Pathologist Supervisor for the Idaho Department of Fish and Game. She is also a Past-President and Fellow of the American Fisheries Society, and the author or co-author of more than 275 professional presentations...some better than others.

JESSE TRUSHENSKI BECOMES PRESIDENT OF THE AMERICAN FISHERIES SOCIETY

August 22, 2018 | Announcements, Press Releases



CONTINUING EDUCATION

SIGN UP FOR CLASSES WHEN YOU REGISTER FOR THE MEETING HERE:
[HTTPS://WHOVA.COM/PORTAL/REGISTRATION/AFSM_202203](https://whoova.com/portal/registration/afsm_202203)

Low-Tech Process Based Restoration of Riverscapes

Dr. Stephen Bennett, Scott Shahverdian, and Brian Murphy

Wednesday, March 2, 8 AM - 12 PM



LOW-TECH PROCESS-BASED RESTORATION OF RIVERSCAPES

American Fisheries Society Virtual-Based Workshop
March 2, 2022

Course Description - This workshop is intended to introduce resource managers, land-owners, and conservation groups to 'low-tech' process-based (LTPBR) approaches for restoring streams and their associated riparian areas (riverscapes) to benefit fish and wildlife. People that have some knowledge of LTPBR can also benefit as the instructors will be providing lessons learned from assessing, planning and implementing dozens of LTPBR projects across a wide variety of geographic settings in multiple states. Participants will learn principles guiding low-tech process-based restoration, become familiar with basic beaver ecology, and different types of low-tech structures, including Beaver Dam Analogues (BDAs) and Post-Assisted Log Structures (PALS). The focus of the workshop will be on the guiding principles, the construction of different low-tech structures, and the impairments the structures can treat. Specific examples related to fish population responses will be presented. We encourage workshop participants to review Module 1 lecture material before the workshop

(<http://lowtechpbr.restoration.usu.edu/resources/Topics/>). Hard copy manuals and pocket guides will also be available at the workshop free of charge.

Speaker Biographies -



Dr. Stephen Bennett is a fish and wildlife biologist with a wide range of experience in river, forestry, wildlife and fisheries science. Stephen has been the project manager of numerous watershed assessments and restoration planning projects across the western US. He has also been managing a long-term watershed-scale restoration experiment in southeast Washington where he has been developing low-tech restoration methods and evaluating habitat and fish responses to restoration. Stephen's focus has been on applying low-tech restoration approaches in a wide variety of settings using lessons learned from our more intensive research efforts.

CONTINUING EDUCATION

SIGN UP FOR CLASSES WHEN YOU REGISTER FOR THE MEETING HERE:
[HTTPS://WHOVA.COM/PORTAL/REGISTRATION/AFSM_202203](https://whoVA.com/portal/registration/afsm_202203)

Speaker Biographies (continued) -



Scott Shahverdian is a fluvial geomorphologist and leads restoration assessments, planning, implementation, and monitoring projects mainly in the Intermountain West projects. He has experience combining remote sensing and field survey data to perform assessments that range from the reach scale to the watershed scale. As a project manager, he also has experience working with diverse stakeholders, including public land managers, and private landowners to implement and assess stream restoration projects.



Brian Murphy is a senior water resources engineer with nearly 20 years of experience. He has a wide-ranging background in water resources planning and engineering. As a licensed professional engineer in Colorado and California, he has led and managed river engineering, watershed studies, stream management planning, and floodplain resiliency projects across the western United States—leveraging his multidisciplinary experience and expertise. His PhD research focuses on assessing the physical condition of urban streams seeking to address the “wicked problems” caused by natural and anthropogenic changes on river hydrology and geomorphology. He is a subject matter expert who is skilled at conveying technical and policy information related to river processes and floodplain management.

HELP MAKE THE CO/WY AFS MEETING A SUCCESS!

Judges Needed

Volunteers are needed to judge papers and posters at the 2022 Virtual Annual Meeting of the Colorado Wyoming Chapter of the American Fisheries Society. After a one-year hiatus, we are bringing back the professional paper/poster awards! We need at least 20-30 judges to have three judges per paper and poster. Government agency professionals, private consulting professionals, and college professors are preferred as judges. Please consider volunteering some of your time at the meeting to give our presenters valuable feedback and potentially an award. We will do our very best to accommodate your schedule or during the meeting. If you are available to judge please contact Tyler Swarr at Tyler.Swarr@state.co.us or Eric Fetherman at Eric.Fetherman@state.co.us

Awards Nominations

The pandemic has not stopped our great work. The Colorado/Wyoming Chapter has four awards for recognizing our fisheries professionals. The Awards Committee needs your help in identifying qualified candidates to receive awards at the 2022 Annual Meeting. This is an opportunity to recognize your peers for their outstanding work and contributions through the American Fisheries Society.

- 1. Award of Excellence:** Recognizes an individual who has made significant contributions in the fishery-aquatic resource field.
- 2. Max Award of Merit:** In honor of Max Rollefson (WGFD), this award recognizes a short-term professional accomplishment in management, administration, research, or culture.
- 3. Outstanding Mentor Award:** This award recognizes a fisheries professional who has demonstrated substantial devotion in assisting or mentoring prospective and/or current fisheries students and professionals.
- 4. Leaky Boot Award:** Recognizes the most outrageous behavior of any fisheries student or professional in the year prior to the CO/WY Annual Meeting.



The deadline to nominate will be January 21. For more information and to nominate your peers please contact Travis Neebling at (307) 233-6410 or travis.neebing@wyo.gov.

PRIZES NEEDED FOR THE RAFFLE!

The Raffle Committee has been lucky enough to round up a few great items and trips for the 2022 meeting. For example, Jason Burckhardt has volunteered to row someone down the river and catch giant rainbows and browns (and provide lunch and drinks!). We also have a great fishing and lodging adventure in the scenic upper North Platte River valley. However, we are still looking for a few more talented folks to consider donating some of their time, especially on the Colorado side! Fishing trips, wilderness expeditions, float trips, rock climbing, skiing, hunting, biking, etc. would all be appealing to those of us that love spending time outdoors, not to mention, hanging out with your colleagues! Don't hesitate to reach out to our committee with questions, offers, or ideas.

The Raffle will be hosted online this year. Attendees will be able to purchase tickets for the trips and swag through the registration link during the meeting. We will randomly select winners on the final day and announce them during the meeting. We look forward to raising some money for the COWY AFS chapter and our great aquatic resources in 2022!

Have something for the Raffle?

- Contacts -

Nick Scribner

nick.scribner@wyo.gov

Stephen Siddons

stephen.siddons@wyo.gov

Clay Kampf

clayton.kampf@usda.gov

2022 AFS NATIONAL MEETING TRAVEL GRANTS



The COWY Chapter will award three travel grants this year. One student, one professional, and one member of the COWY Chapter will be selected for a travel grant of up to \$2,000 to attend the 152nd Annual Meeting of the American Fisheries Society from August 21-25, 2022 in Spokane, WA. The Western Division of AFS is hosting this meeting. Covered costs include transportation, food, lodging, and meeting registration. Chapter members will be selected on a competitive basis. To apply an applicant must:

1. Be a current COWY AFS Chapter member in good standing.
2. Submit a one to two page cover letter detailing: 1) why you want to attend the 152nd Annual Meeting of AFS; 2) AFS involvement, including, but not limited to, committee service and presenting experience at AFS meetings; 3) fisheries background; and 4) the subject matter of your presentation for the meeting, how it meets the goals of the COWY Chapter, and why it will be appropriate to present at the meeting.

All applications should be sent to COWY AFS Chapter Past-President Jim White at j.white@state.co.us by **January 31st, 2022**. The recipient will be selected in February 2022 by the COWY AFS Chapter Executive Committee and announced at the COWY Chapter Annual meeting to be held virtually from March 1-3, 2022.



2021-2022 CO/WY CHAPTER OFFICERS AND COMMITTEE MEMBER LIST

2021-2022 Chapter Officers and Committee Members

Chapter Officers		
President	Christina Barrineau	christina.barrineau@wyo.gov
Vice President	Ashley Ficke	aficke@geiconsultants.com
Secretary/Treasurer	Steve Gale	steve.gale@wyo.gov
Past-President	Jim White	j.white@state.co.us
UW Subunit President	Caroline Rosinski	crosins1@uwyo.edu
CSU Subunit President	Chandler Gazzo (fall semester)	afscsu@gmail.com
	William Harvey (spring semester)	afscsu@gmail.com
CMU Subunit President	Isabel Hollenbeck (fall semester)	irhollenbeck@mavs.coloradomesa.edu
	Dan Johnson (spring semester)	dwjohanson@mavs.coloradomesa.edu
Standing Committees		
Arrangements	Vacant in 2021-2022	
Chapter Archivist	Lori Martin (chair)	lori.martin@state.co.us
Continuing Education	Dan Kowalski (chair)	dan.kowalski@state.co.us
Environmental Policy	Ashley Ficke (chair)	aficke@geiconsultants.com
	Kevin Gelwicks	kevin.gelwicks@wyo.gov
	Laura Burckhardt	laura.burckhardt@wyo.gov
Membership	Wes Gordon (co-chair)	wes.gordon@wyo.gov
	Tom Fresques (co-chair)	tom_fresques@blm.gov
Newsletter	Kendall Bakich	kendall.bakich@state.co.us
	Ben Felt	benjamin.felt@state.co.us
Nominating	Jim White	j.white@state.co.us
Program	Annika Walters	annika.walters@uwyo.edu
	John Woodling	woodling@colorado.edu
	John Walrath	john.walrath@wyo.gov
Special Committees		
Aquaculture	Toby Mourning	toby.mourning@state.co.us
	Greg Lehr	greg.lehr@wyo.gov
Audio-Visual	Beth Bear (chair)	beth.bear@wyo.gov
	Diana Miller	diana.miller@wyo.gov
Awards	Travis Neebling	travis.neebing@wyo.gov
Diversity and Inclusion	Mark Smith (chair)	Mark.smith2@wyo.gov
	Liz Crone	elizabeth.krone@state.co.us
	Cheyenne Owens	cheyenne_owens@fws.gov
	Sarah Collins	sarahmcollins@gmail.com
	Carli Baum	carbaum@rams.colostate.edu
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Fundraising	Matt Kondratieff	matt.kondratieff@state.co.us
	Paul Gerrity	paul.gerrity@wyo.gov
Gifts	Erin Leonetti (chair)	erin.sobel@wyo.gov
Mentoring	Chance Kirkeeng (chair)	chance.kirkeeng@wyo.gov
Paper/Poster Judging	Tyler Swarr (chair)	tyler.swarr@state.co.us
	Eric Fetherman	eric.fetherman@state.co.us
Raffle	Stephen Siddons (co-chair)	stephen.siddons@wyo.gov
	Clay Kampf (co-chair)	clayton.kampf@usda.gov
	Eric Gardunio (CO gaming license)	eric.gardunio@state.co.us
	Nick Scribner	nick.scribner@wyo.gov
Registration	Steve Gale	steve.gale@wyo.gov
Student Liaison	Tawni Riepe (chair)	Tawni.Riepe@colostate.edu
	Eriek Hansen	erihansen@coloradomesa.edu
Website	Joe Skorupski	joe.skorupski@wyo.gov