Monday, November 23
4:30 – 5:30 pm
Murie Auditorium
One Health/Biomedical Seminar Series
Presentations by Anchorage based INBRE researchers

Tuesday, November 24
12:00 – 1:00 pm
webinar or in person in 407 Akasofu Bldg (IARC)
November 2015 National Weather Service Alaska Climate Forecast Briefing
Rick Thoman, Climate Science and Services Manager, Environmental and Scientific Services Division, National Weather Service Alaska Region

Do you lay awake at nights wondering what the upcoming season will be like? Want to place bets with friends and family on next month’s weather? If so, good news: The tools and techniques for making monthly and season scale climate forecasts are rapidly changing, with the potential to provide useful forecasts at the month and longer range. Rick Thoman will review recent climate conditions around Alaska, review some forecast tools and finish up with the Climate Prediction Center’s forecast for the upcoming season. Rick will also present a "Feature-of-the-Month" special addition in which each month he will highlight a topic relevant to the particular month. Available in-person in room 407 of the Akasofu Building (access via rm 406) on the UAF Campus or online (registration and further information available at https://accap.uaf.edu/NWS_Briefings
Feel free to bring your lunch and join the gathering in-person or join online to learn more about Alaska climate and weather.

Thursday, November 26
HAPPY THANKSGIVING!

Coming up
Monday, December 7
1:00 – 3:00 pm
401 IARC
RAP Alum Winslow Hansen, PhD candidate University of Wisconsin-Madison
and Mark Lindberg, Professor of Biology

ABSTRACTS/MEETINGS/PROFESSIONAL DEVELOPMENT

9th Western Alaska Interdisciplinary Science Conference and Forum (2016)
“Adaptation: Tides of Change”
Tentative Dates: March 9–12, 2016
Dillingham, Alaska
More information will be available at http://seagrant.uaf.edu/conferences/waisc/2016/ or contact Tara Borland taborland@alaska.edu or 474-5536.
EPA Seeking Young Adults to Serve on NEJAC Work Group on Climate Justice

EPA is seeking young adults, ages 18 to 29, who are involved in climate change efforts and/or advocacy, to participate on this "first of its kind" youth-led advisory work group to assist the National Environmental Justice Council (NEJAC) in developing advice and recommendations to assist EPA in developing best practices to address climate change concerns. EPA recognizes the key role that youth play in bringing awareness to climate change and offering solutions to transform our societies toward a low-carbon and climate resilient future. It is essential that youth have a seat at the table and help inform the hard decisions that must be made that affect so many. Thus, the formation of the NEJAC Youth Perspectives on Climate Justice Work Group seeks to include young people in assisting EPA in addressing climate change concerns.

The work group will explore several issues, including:
*How can EPA effectively engage with youth on climate change and adaptation planning using new resources and tools designed to help communities become more resilient and better protect themselves from the impacts of climate change? What activities and mechanisms (e.g. policy, guidance, or protocol) should EPA consider to authentically engage and work collaboratively with youth, and other interested stakeholders, to identify and address climate change impacts on overburdened and vulnerable communities?
*What best practices, including efforts to address the compounding health vulnerabilities brought on by climate change, can be provided using youth driven projects from across the United States from which results-oriented recommendations can be drawn?

Applications are due November 30, 2015

The NEJAC Youth Perspectives on Climate Justice Work Group will be convened in January 2016. We anticipate that the work group will conduct its business primarily through bimonthly teleconference calls. This work group may meet face-to-face once annually. The average workload for the members is approximately 4 to 5 hours per month, which represents a rough estimate of the time members will spend in teleconference calls and reviewing relevant documents.

We are looking forward to working with a geographically diverse group of emerging thought leaders in the climate change space. Your Voice Matters! Apply now for the new "Climate Justice Youth Work Group."

Check out today’s EJ in Action Blog to read more about why your voice matters. https://blog.epa.gov/blog/2015/10/make-your-voice-heard-on-climate-justice/


Registration opened this week for 2016’s largest international gathering dedicated to the Arctic, which will be held this spring break at the University of Alaska Fairbanks.

The Arctic Science Summit Week (https://assw2016.org/), Arctic Observing Summit (http://www.arcticobservingsummit.org/aos-2016-themes-and-important-announcements), Arctic Council Senior Arctic Officials Meeting, Model Arctic Council and related events will attract nearly 1,000 scientists, policy makers, technical experts, educators and other Arctic authorities from around the world to UAF from March 9-20, 2016.

Alaska’s presence in the Arctic is the reason the United States is an Arctic nation and why UAF — America’s Arctic university — is taking leadership on the event. The summit will provide unprecedented opportunities for UAF students, staff and
faculty to highlight our expertise, demonstrate our leadership and engage in international science and policy in a variety of ways.

An extensive planning effort has been underway for almost a year, but as we approach the conference the Local Organizing Committee will share occasional updates on progress, planning, opportunities and other news.

Subscribe for updates
Find out what’s happening with ASSW and the other meetings by exploring the website (https://assw2016.org/) and subscribing for email updates (https://assw2016.org/subscribe). You can also like “ASSW 2016” on Facebook or follow us on Twitter (@arctic2016).

Register for the conference
The conference will include plenary presentations, panel discussions, open and closed-business meetings, working group sessions, an exhibit hall, and other activities. Browse the program (https://assw2016.org/assw-program) for more information and to determine if you would like to register (https://assw2016.org/register) for one day or more of the meeting.

Public events
Several events will be open to the Fairbanks community. Many are being confirmed, so subscribe to our email list (https://assw2016.org/subscribe) and watch for more information soon.

Get involved
Putting together a conference of this magnitude is no small feat. Please work with us to help UAF shine and make the event a success. We will be looking for student volunteers this fall and winter, and we continue to look for help from staff, faculty and students for various planning activities. If you have funding, staff capacity or want to get involved in some other way, please email Scott Rupp (tsrupp@alaska.edu), chair of the Local Organizing Committee.

10/12/2015

---

EcoSummit 2016
Ecological Sustainability: Engineering Change
29 August - 1 September 2016, Le Corum, Montpellier, France
The closing date for abstract submission is 29 January 2016
http://www.ecosummit2016.org/

The 5th International EcoSummit Congress, EcoSummit 2016 - Ecological Sustainability: Engineering Change, will take place at The Corum Convention Centre, Montpellier from 29 August – 1 September 2016. This conference series was founded in 1996 in Copenhagen, as a forum to meet the demands of scientists working in several new ecological disciplines, and who required a better understanding of the concepts and methods for a holistic use of ecology in environmental management.

EcoSummit 2016 will centre on the ecology of terrestrial ecosystems and all habitats that are integrated within those ecosystems, including river networks, wetlands and coastlines. Focus will be placed on fragile ecosystems that are more likely to suffer the consequences of climate change and anthropogenic pressure. However, in the current context of an increasing world population, changes in social habit (increasing world consumerism) and climate change, it is evident that agriculture is being intensified but with a growing awareness of the need to preserve and use sustainably world resources. Therefore, we will also address how terrestrial restoration can be carried out when the massive demand for food results in fragile ecosystems, forests and marginal lands being turned over to agriculture.

10/12/15

---

**INTERNSHIPS/FELLOWSHIPS/ EMPLOYMENT**

Marine and Environmental Affairs – Assistant Professor (AA14599)
Organization: College of the Environment, School of Marine and Environmental Affairs  
Title: Assistant Professor  
Search Number: AA14599

Position Details
The School of Marine and Environmental Affairs (SMEA) https://smea.uw.edu/ at the University of Washington (UW) invites applications for a nine-month (100% FTE) tenure-track position at the rank of Assistant Professor (0116). We seek a colleague who will advance environmental equity and justice through research, teaching, mentoring, and public engagement in an interdisciplinary setting. Candidates are encouraged to apply whose research focuses on socialecological systems in the Pacific Northwest and Alaska, especially with regard to indigenous peoples or resource-dependent communities. We welcome applications from scholars with demonstrated success in the study of environmental equity and social justice aspects of topics such as climate impacts risks; sustainability; coastal urbanization; living marine resource use and management; marine spatial planning; renewable ocean energy; indigenous knowledges; and nutrition, food security and public health as it relates to tribes and other underrepresented groups. A Ph.D. or foreign equivalent is required; the most relevant fields of study include: Native American and other ethnic studies; anthropology; sociology; environmental or social history; geography; human or political ecology. Experience conducting primary fieldwork and engaging with tribal, state, or national entities is desirable. The candidate will demonstrate the ability to develop and maintain an extramurally-funded research program, contribute to teaching and mentoring of graduate and undergraduate students, and engage with communities in support of the interdisciplinary mission of the School. The successful candidate is expected to assume the appointment in Autumn 2016. This is one of several new positions at the University of Washington to address environmental equity and justice, indigenous environmental and sustainability studies, and diversity and access.

Applicants must apply electronically by sending applications to Jackie Chapman, Assistant to the Director jchap@uw.edu. Applications should include the applicant’s name in the subject line of the email. The following application materials should be attached: 1) curriculum vitae, 2) statement of research and teaching interests and philosophies, including experience with and commitment to diverse audiences and inclusive approaches (3 pages maximum), 3) three publications that best represent work relevant to the position, and 4) names and full contact information for three professional references. Items 1-4 should be merged into a single searchable PDF document attached to the email. Consideration of applications will begin immediately and continue until the position is filled. **Priority will be given to applications received by December 1, 2015.** Questions pertaining to this search can be addressed to Associate Professor David Fluharty, Search Committee Chair fluharty@uw.edu. This job announcement is also available at http://ap.washington.edu/ahr/academicjobs/position/aa14599/.

The University of Washington and SMEA offers students richly varied disciplines, perspectives and ways of knowing and learning. More details can be found at https://smea.uw.edu/about/diversity/ The University of Washington offers a wide range of professional development and opportunities for junior faculty and a comprehensive benefits package. Details can be found at http://www.washington.edu/admin/hr/benefits/forms/bensummaries/faculty.pdf.

All University of Washington faculty engage in teaching, research and service. University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status, or genetic information.

The Faculty of Arts, Department of Anthropology and Archaeology invites applications for a tenure track position in Development Studies at the rank of Assistant Professor. The anticipated start date is July 1st, 2016.

We are seeking a scholar who will establish and maintain an active research program in the area of Development and Sustainability, with the ability to secure external research funding. The scholar must have a focus on critical development studies, and be open to working beyond the boundaries of conventional academic disciplines. Both development and sustainability recognize the need for interdisciplinary approaches and solutions – ones that integrate natural sciences, social sciences and the humanities. Expertise in areas that address interrelationships between development and environment,
climate change, social impacts of industry, community wellbeing, changing life ways, and food sovereignty, is a high priority. The regional focus for this hire is open.

The successful candidate will be expected to produce high impact research and scholarship, to secure external research funding and will play an active role in teaching and graduate supervision in the Department of Anthropology and Archaeology. Service to the department, faculty, University and community will also be expected.

The preferred candidate will have a Ph.D. in a social sciences discipline, with evidence or strong potential for interdisciplinarity. The preferred candidate must demonstrate research excellence through evidence of, or potential for, publications in high quality journals. Demonstration of teaching excellence is also expected through a strong statement of teaching philosophy, outstanding teaching evaluations and evidence of commitment to undergraduate and graduate teaching, student supervision and mentorship.

The Development Studies Interdisciplinary Program (DEST) is housed in the Department of Anthropology and Archaeology. We are a research-intensive department with high standards in teaching. We value interdisciplinary and multidisciplinary approaches to research and training, and strongly encourage collaboration. For more information about the Department and the DEST program, please visit http://antharky.ucalgary.ca.

All applications must be received by January 14, 2016. Please provide an up to date curriculum vitae, a statement of research interests, a teaching dossier, three samples of scholarly work, and the names and contact information for 3 referees. The materials should be directed to:
Julie Boyd
Department of Anthropology and Archaeology
University of Calgary
Development and Sustainability Position
Earth Science 620
2500 University Drive NW
Calgary, Alberta, Canada, T2N 1N4

These materials can also be sent electronically to boydj@ucalgary.ca. All applicants are strongly encouraged to visit http://antharky.ucalgary.ca to obtain additional information on our department.

The University of Calgary believes that a respectful workplace, equal opportunity and building a diverse workforce contribute to the richness of the environment for teaching, learning and research, and provide faculty, staff, students and the public with a university that reflects the society it serves. All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. In this connection, at the time of your application, please answer the following questions: Are you a Canadian citizen or a permanent resident of Canada? (Yes/No) and are you currently legally entitled to work in Canada? (yes/no)

**GRANT OPPORTUNITIES/SCHOLARSHIPS/OTHER AWARDS**

The National Science Foundation has posted the RFP to promote inter-jurisdictional collaboration within EPSCoR jurisdictions. These RII Track-2 programs will focus on the following topics:
1) Understanding the Brain; and
2) Sustainable Food, Energy, and Water Systems

Be aware that the RFP stresses the inclusion of early career faculty, has restrictions on who is eligible to be a PI or co-PI, and limits the number of submissions from each institution. Therefore, your institution may have internal deadlines different than those listed in the RFP.

These are critical criteria, please note them when preparing your proposal.

For the full submission guidelines, follow this link http://nsf.gov/funding/pgm_summ.jsp?pims_id=505263
Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative (AYK SSI) 2016 Invitation to Submit Research Proposals

November 3, 2015
Dear Colleagues,

The Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative (AYK SSI) is pleased to release its 2016 Invitation to Submit Research Proposals.

Under the 2016 Invitation up to $1.9M is available for funding of research projects addressing the region’s declined Chinook salmon populations. Funding for this Invitation is provided to the AYK SSI Program through NOAA’s Pacific Coastal Salmon Recovery Fund and NOAA federal fisheries disaster funds administered by the Pacific States Marine Fisheries Commission.

The 2016 Invitation includes three components, which can be downloaded from our website:
1. 2016 Research Priorities lists five priority “Research Themes” focusing on Chinook salmon as the species of special concern. These research priorities, which were approved by the AYK SSI Steering Committee, are drawn from two sources:
   - AYK SSI Chinook Salmon Research Action Plan
   - AYK SSI Research and Restoration Plan
2. Submission Instructions & Proposal Format provides instructions, formatting requirements and the proposal template required for submission as well as information about our online proposal submission system.
3. 2016 AYK SSI Budget Forms includes instructions and required budget forms which must be uploaded to our online proposal submission system along with your completed proposal narrative.

An important goal of our program is to build the capacity of local and regional entities to participate in fisheries research. As described in the submission instructions, projects should include appropriate partners and contribute, to the maximum degree possible, to the capacities of agencies, local communities, and residents of the region to participate in fishery research.

Please feel free to contact our staff with questions regarding the 2016 Invitation:
- For questions regarding addressing program priorities, linkages to previously funded works, project collaboration and capacity building, please contact the AYK SSI Research Coordinator: Dr. Joseph Spaeder jispaeder@earthlink.net (907) 299-8635
- For questions regarding the Excel budget form, formatting or submission issues, please contact the AYK SSI Program Manager: Katie Williams katie.williams@bsfaak.org (907) 279-6519 ext. 2 (toll free 888-927-2732).
Please contact uaf-ogca-preaward@alaska.edu with questions.

COURSES

NRM 641 Remote Sensing Applications Using ArcGIS
Spring 2016 3 credits
Dave Verbyla dverbyla@alaska.edu

COURSE GOALS:
1) To learn basic image processing methods using ArcGIS including panchromatic and color image display, image fusion, image georeferencing, change detection methods, supervised and unsupervised classification, and accuracy assessment methods.
2) To learn about sensors especially applicable to vegetation applications in Alaska including color infrared aerial photography, LIDAR, IFSAR, Landsat, MODIS, and AVHRR sensors and data products.
3) To use ArcGIS to explore changes associated with climate warming in Alaska including greening of the arctic, browning of the boreal forest, mapping wildfire severity and hotspots, mapping shrinking lakes and coastal erosion, etc.

I will be teaching this as a distance-delivery class, primarily via taped video sessions and weekly ArcGIS assignments. https://elearning.uaf.edu/course-details-2/?crn=37176
Decision Analysis for Conservation will introduce students to the theory and application of structured decision making and adaptive management for conservation problems. Knowledge and skills in this field have been identified as essential for future success by a number of leaders in our profession and as a result the US Fish and Wildlife Service has been offering training to agency employees through the National Conservation Training Center (NCTC). WLF 694 is a 3 credit class based largely on the introduction to structured decision making class offered through the NCTC. I recently participated as an instructor for 2 decision analysis workshops offered by NCTC and worked with international leaders in the field both in the US and Australia. I will bring those experiences to the classroom.

OTHER

Thank you for your interest and patience with the application process for "Arctic Perspectives" the art-science collaborative show to be held in conjunction with Arctic Science Summit Week 12-20, March 2016 in Fairbanks, Alaska.

Attached you will find the application guidelines for submitting work for consideration as an artist or contributing as a scientist, and the associated timeline. There are limited funds available to help with travel to field sites for a few collaborative art/science teams to develop their work.

If you have any questions please contact Annie Duffy (aduffy@alaska.edu) or myself (oalee@alaska.edu). Thank you for your interest and I look forward to your submissions.

University of Alaska Fairbanks computer science students are accepting proposals for software design projects.

These projects allow senior-level computer science students to gain real-world experience, while government, public service and private organizations gain free software. Project clients are partners in the educational process and collaborate during the spring semester to produce a working software system.


Students will review submissions received by Nov. 30, 2015, and provide feedback to the proposer. The final deadline for submissions and revised submissions is Jan. 11, 2016. Proposals should be submitted as early as possible.

Submissions can be made by email to uaf-cs-dept@alaska.edu or by regular mail to Department of Computer Science, University of Alaska Fairbanks, P.O. Box 756670, Fairbanks, AK 99775-6670. Proposals should include a basic description of your organization’s needs and contact information. Direct phone inquiries may be made at 907-474-2777.

A local non-profit, Noble Paws, is looking for donations of artwork for an upcoming auction. Proceeds support their dog mushing team that works with people experiencing disabilities, and donations are tax deductible. See attached postcard for more info, or visit noblepawsalaska.org

Please feel free to forward to any of your contacts that may want to donate artwork, or participate in the auction at the end of the month.
PoLAR Voices, A podcast investigating climate change science and its impact on life at the poles

**Listen.** Tune in every 3rd Wednesday at thepolarhub.org for the latest episode, or find us on iTunes. Learn Why is climate change more intense at the poles? How does climate change impact life in the North? What is the global impact of polar warming? How can we mitigate negative changes? Explore the science of polar climate change on PoLAR Voices.

**Learning Tools.** Our learning tools allow you to test your knowledge and link to additional thepolarhub.org/project/polar-voices educational resources. Try out our episode specific quizzes or connect with current research on climate change.

**Participate.** Have something to add? Post a comment on our blog: [https://polaraudio.wordpress.com/](https://polaraudio.wordpress.com/)
Have something to say? Post feedback on our blog or website: [https://polaraudio.wordpress.com/](https://polaraudio.wordpress.com/) or [http://thepolarhub.org/project/polar-voices](http://thepolarhub.org/project/polar-voices)

**Have something to share?** If you are a researcher or are living in the North and have an interesting story about high latitude climate change, contact us about being featured in an episode.

**Contact Us**
Annie Quinney  
Arctic Institute of North America  
2500 University Drive NW, ES-1040  
Calgary, Alberta, Canada  
1-403-220-5775  
eaquinne@ucalgary.ca  
http://thepolarhub.org/project/polar-voices

Polar Voices is part of the Polar Learning And Responding (PoLAR) Climate Change Education Partnership and is funded by the National Science Foundation.

Please send suggestions, announcements, etc. to Mary van Muelken, mavanmuelken@alaska.edu