Weekly RAP October 19, 2015

All RAP
Tuesday, October 20
Murie Auditorium
3:30 - 5:00 pm: note half hour delay from email sent last week
Info SPIN presented by Office of Grants and Contracts Administration

SPIN, Sponsored Programs Information Network, is the most widely used funding opportunity database in the world. Across the globe nearly 500 institutions subscribe to the Web-based search engine. Researchers at these institutions use SPIN as their one-stop-shop for identifying the latest grant programs. By aggregating sponsor information in one system, SPIN dramatically cuts search times and substantially increases the likelihood of positive results. Program information is presented in a standard format that allows investigators to readily compare opportunities. There are currently over 40,000 funding opportunities from more than 10,000 sponsors around the globe available in the system for browsing. Please bring your laptop.

Analyzing ecological resilience under different land-use regimes in subtropical seasonally dry forests of Córdoba, Argentina
Maria Lucrecia Lipoma, visiting PhD student, Multidisciplinary Institution of Plant Biology, University of Córdoba Argentina

Monday, October 19
4:30 - 5:30 pm
Murie Auditorium
One Health / Biomedical Seminar Series
Wildlife disease in Alaska: Discovering novel viruses in arctic sea ducks
Tuula Hollmen, UAF School of Fisheries and Ocean Sciences and Alaska SeaLife Center, Seward, AK

7:00 - 9:00 pm
Murie Auditorium
Lecture: The End of Nuclear Testing
US Under Secretary Rose Gottemoeller

Over the past 70 years, there have been over 2,000 nuclear explosive tests across the globe – including tests in Alaska. The Comprehensive Nuclear Test Ban Treaty – which would ban these tests forever - is now 50 years in the making, but it has yet to enter into force. Under Secretary Rose Gottemoeller will discuss what the CTBT is, why it is important to U.S. national security and how it will reduce the nuclear threat worldwide.

Tuesday, October 20
3:30 - 5:00 pm
Murie Auditorium
All RAP, please see above

7:00 - 9:30 pm
Schäible Auditorium
Film - The Hunting Ground
Academy Award-nominated filmmaking team behind The Invisible War, comes a startling exposé of sexual assault on U.S. campuses, institutional cover-ups and the brutal social toll on victims and their families.
**Wednesday, October 21**

1:00 – 2:00 pm  
Vera Alexander Learning Center, 201 O'Neill Bldg  
SFOS Climate Change Seminar  
A journalist's perspective on climate change  
Emily Schwing, KUAC

2:30 – 3:30 pm  
Murie Auditorium  
Chemistry Ph.D. defense  
Structural study of surface complexation reactions of Pb(II) and Sb(V) on hydrated hematite (1-102) surface  
Canron Qiu, PhD candidate

3:30 -4:30 pm  
Vera Alexander Learning Center, 201 O'Neill Bldg  
IMS Seminar  
Phytodetritus nutritional consequences on reproduction in a deposit-feeding sea cucumber  
Charlotte Regula-Whitefied, PhD student

**Thursday, October 22**

10:00 – 11:00 am  
Globe Room, 215 Elvey Bldg (Gl)  
Physics Ph.D. defense  
Characterization and diagnostic methods for geomagnetic auroral infrasound waves  
Justin Oldham, Ph.D. Physics candidate.

1:00 – 2:00 pm  
Vera Alexander Learning Center, 201 O'Neill Bldg (by VCON from Juneau)  
Fisheries M.S. defense  
Feeding ecology of juvenile sockeye salmon in Afognak Lake, Alaska  
Natura Richardson, M.S. Fisheries candidate.

4:00 -6:30 pm  
UA Museum of the North  
Lights on After School  
Join an evening of family fun to celebrate after school programs and community learning. Explore the museum, enjoy snacks, and participate in science and art activities. Explore galleries. Try yoga and dance. Talk to archaeologists. This is a free event presented by UAMN and 4H Alaska.

**Friday, October 23**

9:30 -10:30 am  
Globe Room, 215 Elvey Bldg (Gl)  
Physics Ph.D. defense  
Local scale structures in Earth's thermospheric winds and their consequences for wind driven transport  
Manbharat Singh Dhadly, Ph.D. Space Physics candidate.

3:00 – 4:00 pm  
Murie Auditorium, 104 Murie  
Life Sciences Hour  
Bidirectional demographic effects of plant-herbivore-predator interactions (with an addendum to the Bible)  
Knut Kielland, UAF Institute of Arctic Biology and Department of Biology & Wildlife
3:30 – 5:00 pm
202 Reichardt Bldg
Geosciences Seminar
What is EarthScope and what can it do for Alaska?
Jeff Freymueller of the UAF Geophysical Institute

3:30 -5:00 pm
214 O’Neill Building (by VCON from Juneau)
Changing growth and maturity of female chinook salmon from Western Alaska
Megan McPhee, UAF SFOS, Fisheries Division
ABSTRACT: Recent poor returns of Chinook salmon to the Yukon-Kuskokwim delta area of western Alaska have coincided with a trend toward decreasing size and age of adults. However, the degree to which changing size is caused by size-selective harvest or variation in growing conditions is unknown. In this study, we investigated changing growth and maturity in the females of two populations of western Alaskan Chinook salmon, the Andreafsky River (Yukon River drainage) and the Kogruklu River (Kuskokwim River drainage) using scales collected over 31 brood years (1975-2005). The second year of marine growth (SW2) best predicted maturity in female Chinook salmon, with individuals showing greater SW2 growth more likely to mature earlier. We did not observe strong temporal trends in SW2, but we did find that warmer summer sea surface temperatures in the western Bering Sea, where western Alaska stocks are thought to spend their second marine summer, were associated with earlier maturity. However, we could not rule out size-selective harvest as an agent of changing size and age in these populations.

7:00 - 9:00 pm
Auditorium at the UAF Community and Technical College’s campus building, 604 Barnette St.
Midnight Sun Visiting Writers Series
Allen Gee, professor, Georgia College and editor Arts & Letters
His writings include a recent novel, “The Iron Road,” and an essay collection, “My Chinese-America,” which was chosen for the Sante Fe Writers Project Literary Prize.

Gee’s presentation will kick off the annual Celebration of Writing held the following day, Oct. 24, at the Noel Wien Library, from 11 a.m.–3 p.m. The celebration is an annual literacy event held for writers of all ages and experience levels.

Following Gee, the audience will be treated to the celebration’s version of TED talks, called CoW talks. These five-minute talks are given by community members, and topics range from grammar to music.

Saturday, October 24
8:00 am – 1:30 pm
Murie Building
Alaska Interior Medical Education Summit
Whatever your health career goals, Aim for the Stars...

Goal: Striving to provide information and resources for current and potential health care professional students from Allopathic Medicine to Zoo Veterinarian

Whether you are a high school student, teacher, college student or already graduated, we’ve got a full range of health career and education options for you to explore. We are again expecting medical sessions including traditional MD as well as DO, ND, and PA information. UAF’s Community and Technical College (CTC) has two full classrooms – one for nursing careers and education programs, and the other filled with Allied Health opportunities from medical billing to dental hygienist. CTC also provides well received sessions on EMT, Paramedic Academy, and Fire Sciences programs. UAF Institute of Arctic Biology (IAB) and local veterinarians expect a full room of students interested in options for their field as well. The final room will be for nearly a dozen specialties with food for thought for all participants.
Preregistration for participants and vendors is required - links are at left on this page https://sites.google.com/a/alaska.edu/aimes/?utm_source=uaf-home&utm_medium=banner&utm_campaign=aimes. We hope you’ll join us for all or part of this wonderfully informative educational event for all health careers Check in starts at 8 a.m. with sessions running until 1:30 p.m. in the Murie Building on the UAF Campus (near the museum) See you Saturday at AIMES!

Sponsored by: UAF College of Natural Sciences and Mathematics; UAF Community and Technical College; Fairbanks Memorial Hospital; iDeA Network of Biomedical Research Excellence

COMING UP

Thursday, October 29
Murie Auditorium
1:00 -2:00 pm
Wildlife Biology and Conservation MS defense
Space use and movements of moose hunters and wolves in the Yukon Flats, Alaska
Ian Johnson, MS candidate in Wildlife Biology and Conservation (RAP 2013-2014)

The November All RAP is scheduled for Tuesday, November 17, 3:30-5:30 pm, Murie Auditorium with presenter Dr. Robin Reid. The December All RAP is scheduled for Monday, December 7. Time and location TBD. The presenter will be RAP alum Winslow Hansen, PhD candidate University of Wisconsin-Madison.

ABSTRACTS/MEETINGS/PROFESSIONAL DEVELOPMENT

Co-Management Symposium
Weaving Together Two Worlds
November 18-20, 2015
http://tribalmgmt.uaf.edu/co-mgmt

Purpose: A forum to build understanding, relationships, and knowledge for advancing the co-management of Alaskan fish and wildlife resources.

Progressive focus: Shared value of healthy ecosystems, healthy populations, and resource abundance.

Co-Management is the term that defines systems and opportunities that provide an adequate and meaningful role for Alaska Natives in management of traditional resources. Alaska Natives and their Tribal governments, Tribal consortiums, nonprofits, and corporations have served as stewards of their traditional lands and resources for thousands of years maintaining healthy and productive ecosystems, they have proven knowledge, skills, and abilities to adequately manage Alaska’s fish and wildlife resources. Co-Management refers to a system where those relying upon the resources have a substantial role in making decisions about the management for healthy, productive ecosystems and populations.

Who is this symposium for?
This event will bring together University of Alaska researchers and staff, Alaska Native Tribal and ANCSA corporation leaders and staff, state and federal fish and game managers, and those with the vested interest in seeing successful co-management in Alaska.

Co-Management Symposium - Day 1 & 2
Building on a historical perspective of fish and wildlife management in Alaska, speakers will focus on the contemporary challenges and opportunities for co-management in Alaska today. Successful examples of co-management in action will be highlighted, one-to-one sharing and dialogue will be incorporated, and collaborative solutions will be identified.
**Co-Production of Knowledge - Day 3**

In conjunction with the Co-Management Symposium there will be an optional third day for Tribal leaders/staff, university researchers, and agency researchers that are interested in developing collaborative research partnerships. This interactive workshop will be particularly useful for Tribal leaders who are seeking partners for identified research priorities.

10/19/15

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

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**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

Data to Decisions Visualization Workshop
November 16-17, 2015
401 Akasofu Building
Registration Information information at www.alaska.edu/epscor
Two days of presentations, hands on workshops, and discussions about visualization technology and techniques, with a focus on UAF’s new Decision theater North and UAA’s Planetarium and visualization Theater
Sessions include:
*Defining data visualization and how to undertake it
*Visualizing and integrating data for decision making
*Visualization technology
*Artistic principles for data visualization
*Hands-on workshops
*User needs and institutional capacity building

10.5.15

The Food-Energy-Water Nexus
16th National Conference and Global Forum on Science, Policy and the Environment
January 19-21, 2016
Hyatt Regency Crystal City at the Washington DC National Airport
http://foodenergywater nexus.org/

NCSE’s Poster Session provides the opportunity for research scientists, university faculty, students, and others to share research, innovations, and initiatives relevant to providing food, energy, and water to everyone without overwhelming the environment. It will run from the opening of registration on Tuesday, January 19, until after the closing reception on Thursday, January 21.

Poster submissions will close October 30, 2015.

10.5.15

INTERNSHIPS/FELLOWSHIPS/ EMPLOYMENT

The Department of Fish and Wildlife Conservation at Virginia Tech seeks to fill a tenure-track position in the area of human dimensions of fish and wildlife conservation, defined broadly as work at the interface of social and ecological systems.

Candidates from various academic backgrounds will be considered, but all will be expected to focus on interdisciplinary research related to fish and wildlife conservation and include a social science component. This is a full-time, tenure-track, 9-
month appointment at the level of Assistant Professor with primary responsibilities in teaching (50%) and research (50). Development of an independent, externally funded research program that supports graduate students and engages undergraduate students is expected. The successful individual will teach undergraduate and graduate courses in their area of expertise, with an average teaching load of 1.5 to 2 courses per year, one of which will be an undergraduate course for majors in the human dimensions of fish and wildlife conservation. Participation in departmental, college, and university affairs is expected, as is an interest to engage collaboratively with faculty both within and outside the department.

Application materials should include a cover letter, curriculum vitae, transcripts, and the names, addresses, phone numbers, and email addresses of three professional references. The applicant also should prepare a 3-page (maximum) written statement that reflects the individual’s philosophy of how he/she will integrate teaching, research, outreach, and diversity/inclusion. All application materials must be submitted electronically, using the online system at www.jobs.vt.edu, referring to posting No.TR0150138. **Review of candidate files will begin on October 26, 2015**, and continue until a suitable candidate is identified.

More information on the position can be found at www.fishwild.vt.edu.

Nominations and Inquiries can be directed to Dr. Jim Parkhurst, Chair, Search Committee: Human Dimensions of Fish and Wildlife Conservation, Department of Fish and Wildlife Conservation, College of Natural Resources, Virginia Tech, 100 Cheatham Hall (0321), Blacksburg, VA 24061. Phone: 540-231-9283 or email jparkhurst@vt.edu. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, genetic information, veteran status, or any other basis protected by law. For inquiries regarding non-discrimination policies, contact the executive director for Equity and Access at 540-231-2010 or Virginia Tech, North End Center, Suite 2300 (0318), 300 Turner St. NW, Blacksburg, VA 24061

10.5.15

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The National Socio-Environmental Synthesis Center (SESYNC) invites applications for two-year postdoctoral fellowships that will begin August 1, 2016. SESYNC also invites applications for Collaborating Mentors, who will co-develop postdoctoral projects and provide substantive intellectual and methodological mentoring during the fellowship.

The Postdoctoral Socio-Environmental Immersion Program will bring early-career scholars to SESYNC to undertake individual synthesis projects; participate in workshops led by distinguished natural scientists and social scientists; and enhance their collaborative network, computational skills, and understanding of the science–policy nexus.

Fellows will undertake synthesis projects that advance understanding of socio-environmental systems. We encourage proposed projects that are interdisciplinary, but we also welcome applications that are primarily focused on a natural or social science discipline. Synthesis is a research approach that brings together existing but disparate data, methods, theories, and tools in new and perhaps unexpected ways to reveal relationships or to generate novel insights. Synthesis is a highly varied effort, and its definition will change depending upon the lens of those who undertake it. However, in all cases, synthesis is a means for accelerating scientific understanding that is applicable across multiple places and scales.

**MORE INFORMATION**

Click here for information on SESYNC Postdoctoral Fellowships: [http://www.sesync.org/opportunities/postdoctoral-fellowships-fall2015](http://www.sesync.org/opportunities/postdoctoral-fellowships-fall2015)

Interested applicants must first submit a pre-screening application, accepted on a rolling basis but no later than October 26, 2015. **Final fellowship applications must be submitted by December 7, 2015.**

Click here for information on SESYNC Collaborating Mentors: [http://www.sesync.org/opportunities/collaborating-mentors-2016](http://www.sesync.org/opportunities/collaborating-mentors-2016)

Applications for Collaborating Mentors are accepted on a rolling basis but no later than October 26, 2015 for inclusion in the Mentor Registry.
The National Socio-Environmental Synthesis Center, funded through an award to the University of Maryland from the National Science Foundation, is a research center dedicated to accelerating scientific discovery at the interface of human and ecological systems. Visit us online at www.sesync.org and follow us on Twitter @SESYNC.

The East Asia and Pacific Summer Institutes for U.S. Graduate Students program is now accepting applications for summer 2016. Please visit the program website for detailed information http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5284

NSF and selected foreign counterpart science and technology agencies sponsor international research institutes for U.S. graduate students in seven East Asia and Pacific locations at times set by the counterpart agencies between June and August each year. The Summer Institutes (EAPSI) operate similarly and the research visits to a particular location take place at the same time. Although applicants apply individually to participate in a Summer Institute, awardees become part of the cohort for each location. Applicants must propose a location, host scientist, and research project that is appropriate for the host site and duration of the international visit.

An EAPSI award provides U.S. graduate students in science, engineering, and education: 1) first-hand research experiences in Australia, China, Japan, Korea, New Zealand, Singapore, or Taiwan; 2) an introduction to the science, science policy, and scientific infrastructure of the respective location; and 3) an orientation to the society, culture, and language. It is expected that EAPSI awards will help students initiate professional relationships to enable future collaboration with foreign counterparts.

The NSF award includes participation in the Pre-Departure Orientation, summer stipend of $5,000, and round-trip airplane ticket to the host location. EAPSI partner agencies pay in-country living expenses during the Summer Institutes.

EAPSI is holding informational webinars on October 6 and 23rd. Proposal submission deadline for Summer 2016 is November 12, 2015.

We are conducting informational webinars for applicants at 2:00 PM ET on September 18, October 6, and October 23, 2015. To participate in the webinars, you will need a computer with Internet access AND a telephone.

1. Please log in at https://nsf.webex.com/nsf/j.php?MTID=ma70c109510d4776877b860fc086b8e89 by entering your name and email address, and clicking “Join.” Meeting number: 278 510 752.

2. Please dial 1-888-950-8071, use your phone to enter participant passcode 9622133. Participants will join in listen-only mode until Q&A session is announced.

Coastal Marine Institute (CMI) Student Award

The Coastal Marine Institute is pleased to announce a new funding opportunity to assist students conducting research that is technically meritorious and relevant to the BOEM mission. In 2016, CMI will award up to two Graduate Student Research Awards up to $25,000 each to qualified students for CMI related research. Award funds may be used for graduate student stipend and benefits, tuition or required university fees, or for specific research expenses such as travel, supplies, and laboratory fees. Interested students should review the attached announcement and are encouraged to contact CMI for more information. The deadline for proposals will be in early November.

Please contact uaf-ogca@alaska.edu with questions.

Vacancy Announcement

Research Assistant Professor, Coastal Community Resilience and Adaptation Specialist

Alaska Sea Grant Marine Advisory Program
This is a term funded faculty position (two years at 10 months/year with potential for two more months per year if the incumbent secures additional funding). The position is based at the Marine Advisory Program (MAP) office in Anchorage. The Marine Advisory Program is a statewide network of specialists and agents who provide information, technical assistance and formal and informal education to a diverse clientele including fisheries and maritime industries, coastal communities, Alaska Native tribes and resource agencies. MAP projects address commercial fisheries and seafood, aquaculture, maritime workforce development, marine education, and other fields, and the Specialist will integrate into the programming, bringing specialized knowledge and skills in areas such as community hazard mitigation, economic resilience, and climate change adaptation planning.

Salary for the position is DOE based on University of Alaska faculty salary guidelines, and includes benefits.

**Responsibilities:** The Specialist will conduct a productive Alaska Sea Grant Marine Advisory statewide extension program for Alaska stakeholders and groups, including residents of coastal communities, participants in marine-related industries (for example, fisheries and marine transportation), and others who are affected by changes in the marine and coastal environment. The Specialist will assess the resilience and adaptation needs of coastal Alaska through means such as local advisory groups and program advisors, surveys and in-person interactions, and will prioritize those needs. He/She will design, coordinate, deliver and evaluate information/education programs based on those priorities. Products will be science-based, understandable by and accessible to the lay public, and will be delivered in culturally-appropriate language and formats.

Examples of tasks would include:
*Develop and conduct outreach and extension programming for community resilience and climate-impact related issues, including vulnerability assessment, damage prevention, emergency response and both short- and longterm adaptation planning.*
*Work with Alaska Sea Grant MAP faculty, ACCAP, Alaska Ocean Observing System (AOOS), NOAA and other agencies to identify, prioritize, translate and help stakeholders apply interdisciplinary research findings, including application of best practices and decision support tools.*
*Plan, conduct, and/or contribute to coastal community resilience and adaptation programs, seminars, workshops and other outreach events.*
*Assist communities to identify funding sources and other resources to implement resilience and adaptation projects.*
*Contribute to program evaluations and programmatic reports as required by the partner organizations.*
*Participate in or develop grant proposals with ASG, ACCAP and AOOS, community groups and others to secure funding for project implementation.*
*Write publications and other outreach materials on Alaska coastal community resilience, hazard mitigation and adaptation planning.*

The work requires transfer of technical information in culturally appropriate ways through print, electronic media and in-person appearances. The specialist will participate as a team member in ASG-MAP program planning and reporting. This position requires travel within and out of Alaska, including travel by small aircraft to rural sites, and may involve stays in non-conventional housing.

**Qualifications:** Required is a Master’s Degree or higher, preferably in an applicable field such as but not limited to: Atmospheric Sciences, Coastal Science, Geosciences, Geography, Coastal Engineering, Natural Resources Management, Biological Sciences, Community or Regional Planning. In addition, the applicant should have at least two years’ experience working in coastal hazards, coastal engineering, community planning, rural development or other pertinent field. Preferred qualifications also include:

*Knowledge of Alaska’s coastal communities, natural environments and climate adaptation issues.*
*Strong understanding of climate and coastal sciences, particularly as they relate to community adaptation and resilience.*
*Community/public engagement and outreach experience.*
*Demonstrated oral and written communications skills.
*Ability to work with a range of professionals and stakeholders to translate and transfer research for community use and benefit.
*Experience working with Alaska Native individuals, communities and organizations.
*Ability to work with state agencies and to synthesize information from various agencies and organizations.
*Experience/training in use of Geographical Information Systems (GIS) and visualization support tools.
*Record of effective writing for publication.
*Evidence of being a self-starter, to be able to work independently and be self-directed, as well as to work collaboratively with diverse groups.

**Location, Duration and Reporting:** The Specialist will be a faculty member in the Marine Advisory Program, School of Fisheries and Ocean Sciences of University of Alaska Fairbanks, and will be based at the ASG MAP office in Anchorage. The position is jointly funded by ASG, ACCAP, AOOS and NOAA. The Specialist will report to the ASG director. Work plans and performance based program objectives will be developed by the Specialist under ASG director supervision with input from ACCAP and AOOS. The position is funded for two years with extension beyond that period dependent on available funding.

**Contact:** To apply go to [www.uakjobs.com/applicants/Central?quickFind=88186](http://www.uakjobs.com/applicants/Central?quickFind=88186) You will be asked to attach:
1. Statement of Interest.
2. Curriculum vitae or resume.
3. Three references (reference information must include name, address, phone number and email address of each reference).
4. One example of a written work project – report or publication.

**Closing Date:** Open until filled. First review of applications will be October 26, 2015

**Direct Inquiries:**
Terry Johnson, Search Committee Chair
Marine Advisory Program
Telephone 907-274-9695 terry.johnson@alaska.edu

*The University of Alaska is an Affirmative Action/Equal Opportunity employer and educational institution. The University of Alaska Fairbanks is accredited by the Northwest Commission on Colleges and Universities.*

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Assistant Professor of Forest Policy and Economics  
Department of Forestry, Michigan State University  
**Position Summary:**  
The Department of Forestry at Michigan State University invites applicants for a 9-month tenure system position at the assistant professor rank with a focus in forest policy and economics (70% research, 30% teaching).

Formally established in 1902, the Department of Forestry hosts the oldest continuing undergraduate forestry program in the U.S. The Department is a vibrant, growing, internationally recognized unit firmly committed to an interdisciplinary approach to understand and resolve environmental and natural resource issues. Our faculty includes leading foresters, ecologists, entomologists, economists, social scientists, and statisticians.

The position will address research and teaching on policy and economics in the context of current and emerging forestry topics related to environmental and natural resources management and society. Specific areas of expertise may include federal, state, and local forest policy and regulations, institutions and forest governance, economics and valuations, and policy analysis and evaluation that support sustainable forest use in the U.S. and globally. We seek candidates with the desire to contribute policy and economic perspectives and tools to interdisciplinary research teams pursuing crosscutting solutions to issues at multiple scales. There is particular interest in research and teaching that encompass climate change adaptation and mitigation.
The successful candidate will be expected to develop an internationally recognized research program by securing competitive external funding, publishing in leading peer-reviewed journals, and advancing understanding that promotes sustainable ecological and economic systems. In addition to building a highly productive research program, the successful candidate will be expected to teach one undergraduate course that contributes to the forest policy and economics competencies required for accreditation by the Society of American Foresters and one graduate course that is related to her/his area of expertise and that fulfills Department learning objectives. Responsibilities also include recruiting and training graduate students, undergraduate mentoring, and Department, College, University, and professional service.

Minimum Qualifications:
An earned Ph.D. in Forestry, Natural Resources, Policy, or related field, with demonstrated training and expertise in Environmental and Resource Economics. Applicants should have a record of scholarly activities including peer-reviewed journal articles and grantmanship in their field.

Instructions to Applicants:
**Review of applications will begin November 7, 2015** and continue until a suitable candidate is selected.

For consideration, submit a SINGLE PDF including: a letter of interest that includes qualification for the position, a curriculum vitae, statement of research experience and future direction (2 page max), statement of teaching experience and philosophy (2 page max), and contact information for three references.

Applications are to be submitted via [https://jobs.msu.edu](https://jobs.msu.edu) using posting number 1962.

Inquires may be made to Dr. Andrew Finley, Search Chair, by phone 517-432-7219 or email finleya@msu.edu.

*MSU is an affirmative-action, equal-opportunity employer. MSU is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.*

9.14.15

Assistant Professor of Human Dimensions in Natural Resources
Department of Forestry, Michigan State University

**Position Summary:**
The Department of Forestry at Michigan State University invites applicants for a 9-month tenure system position at the assistant professor rank with a focus in human dimensions in natural resources (70% research, 30% teaching).

Formally established in 1902, the Department of Forestry hosts the oldest continuing undergraduate forestry program in the U.S. The Department is a vibrant, growing, internationally recognized unit firmly committed to an interdisciplinary approach to research and education in forestry, forest science, and natural resources management. Our faculty includes leading foresters, ecologists, economists, social scientists, and statisticians.

The position will support research and teaching with a social science perspective on current and emerging forestry topics related to environmental and natural resources management and society. Specific areas of expertise may include coupled human and natural systems, forest management and policy for sustainable systems, participatory governance, social forestry, and community facilitation and needs assessments. We seek candidates desiring to bring social science perspectives and tools to interdisciplinary research teams addressing cross-cutting questions with local to global relevance. There is particular interest in research and teaching that encompass climate change adaptation and mitigation.

The successful candidate will be expected to develop an internationally recognized research program by securing competitive external funding, publishing in leading peer reviewed journals, and advancing the role of social sciences within natural resource management and policy arenas. In addition to building a highly productive research program, the successful candidate will be expected to teach one undergraduate course that contributes to the human dimension focused competencies required for accreditation by the Society of American Foresters and one graduate course that is related to
her/his area of expertise and that fulfills Department learning objectives. Responsibilities also include recruiting and training graduate students, undergraduate mentoring, Department, College, and University service, and professional service.

Minimum Qualifications: An earned Ph.D. in Human Dimensions, Forestry, Natural Resources, Sociology, Psychology, Communication, Political Science, Anthropology, Environmental and Resource Economics, or related field. Applicants should have a record of scholarly activities including peer-reviewed journal articles and grantsmanship in their field.

Instructions to Applicants: Review of applications will begin November 7, 2015 and continue until a suitable candidate is selected. For consideration, submit a SINGLE PDF including: a letter of interest that includes qualification for the position, a curriculum vitae, statement of research experience and future direction (2 page max), statement of teaching experience and philosophy (2 page max), and contact information for three references.

Applications are to be submitted via https://jobs.msu.edu using posting number 1963. Inquires may be made to Dr. Andrew Finley, Search Chair, by phone 517-432-7219 or email finleya@msu.edu.

MSU is an affirmative-action, equal-opportunity employer. MSU is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.

9.14.15

University of Michigan Dow Postdoctoral Fellowships in Sustainability 2016 – Request for Applications

The Graham Sustainability Institute is now accepting applications for the 2016 cohort of the Dow Postdoctoral Fellows in Sustainability. Please forward this announcement to colleagues and/or prospective postdoctoral fellows.

These fellowships are designed to support a new generation of sustainability scholars who understand the necessity of collaborating across disciplines and sectors to address and solve complex sustainability challenges, with a strong focus on the interface of the social sciences/humanities and the natural/physical/engineering sciences. We are particularly eager to receive more applications from candidates whose backgrounds are in the social sciences, humanities, or the arts so we can develop a balanced cohort that covers a truly broad range of disciplines that coalesce around issues of sustainability. Applications are being solicited from a national and international pool and are due on November 16, 2015. (Applicants must complete an “Intent to Apply” by November 2.)

Each Dow Postdoctoral Fellow has a two-year appointment in a U-M School/College, Department, or Center and a concurrent two-year appointment as a program fellow, with appointments following traditional academic cycles. The next cohort of postdoctoral fellows will begin their term in September, 2016. Information on the program and application requirements/process is available here: sustainability.umich.edu/education/dow/postdoctoral. The request for proposals can be found at:graham.umich.edu/media/files/2016-External-Dow-Postdoc-RFP.pdf.

Questions about the program and/or application process should be directed to: dow-postdoc@umich.edu.

Sincerely,

Andy Hoffman
Education Director, Graham Sustainability Institute

9.14.15

GRANT OPPORTUNITIES/SCHOLARSHIPS/OTHER AWARDS

Alaska EPSCoR is making available at least 5 travel awards of up to $1600/person to University of Alaska affiliated graduate students and early career faculty (early career for this competition are those faculty who are not tenured AND
have been hired since July 1, 2012). Travel funds are for domestic travel (within the United States of America, its Territories and Possessions).

To be considered for funding, please complete the application (https://docs.google.com/a/alaska.edu/forms/d/1022TPtJ33yEHR4NvmfTxnu4WL2rv02Inu0zkwh7seb4/viewform) by October 23, 2015.

Decisions for funding will be communicated by October 30, 2015.

OTHER

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/
Have something to say? Post feedback on our blog or website: https://polaraudio.wordpress.com/ or 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
aequinne@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.

ASRA Request for Module Proposals
Deadline: October 31, 2015
Contact: Laura Conner (lconner@alaksa.edu), ASRA Director

Overview
The Alaska Summer Research Academy (ASRA) offers research and problem-based learning experiences to students in grades 6-12. Students focus on one area of study (through a module) over the course of two weeks and complete individual or group research projects. Modules are designed to be fun and engaging, while containing challenging content. All are set in a context that will interest students. There are no exams, grades, or homework. ASRA experiences should be hands-on, with very little lecturing. Goals include building interest in STEM and exposing students to a college setting.

ASRA is seeking proposals for modules for the summer of 2016. Instructor teams develop and teach the content of a module (there are 8-10 students per module). We encourage instructors to think broadly—modules can be focused on biology, chemistry, geology, physics, engineering, math, or may be interdisciplinary. Some modules take place in remote
areas. Examples of past modules are Marine Biology (on the Kenai Peninsula), Biomedicine, Engineering Design, Denali Geographic, Veterinary Medicine, and others.

Instructor teams may be comprised of faculty, post-docs, graduate students, K-12 teachers, or other professionals in the STEM fields. If you are a researcher interested in working with a K-12 teacher, ASRA staff may be able to connect you to an interested teacher. Conversely, if you are a teacher interested in ASRA, we may be able to connect you with interested researchers.

**ASRA logistics**

In 2016, there will be a single ASRA, held from July 18-29. There will be separate module offerings for middle and high school students. ASRA 2016 will be a day camp only (no housing is offered). Instructors teach from 9AM-5PM daily (with weekend off). A module could include a REMOTE component for all or part of the program. The final day of ASRA, July 29, students present their work in a public forum, with a pizza lunch. July 28 is devoted to preparing for presentations and cleaning up supplies.

ASRA provides pay for two instructors (at least two instructors are required), a supply budget (usually a maximum of $1000), mentoring, and logistical support. Instructor pay is $2500 for lead instructors and $2000 for assistant instructors, which covers prep time, instruction time, training, and meetings (teams may be composed of two lead instructors or 1 lead and 1 assistant instructor).

**To propose a module**, please provide a 2-page summary that includes the following information:
1) A proposed module title that will appeal to students
2) A description of the module, including sample activities
3) Learning goals of proposed module, and science content that will be covered
4) A budget, detailing supplies needed (limit is usually $1000. Note: ASRA-owned supplies and equipment are available for use—contact us for details)
5) Names, contact information, and qualifications of the proposed instructors (Two instructors are required for each module). Please include any experience or familiarity with hands-on or problem-based learning techniques.
6) Any in-kind support that can be offered (e.g., salary support, specialized equipment, etc.)
7) Special logistical needs (remote camp, vans for field trips, etc.)
8) Whether you would like to request Saturday, July 23, as an additional day of instruction (note that most modules will not meet on Saturday, but please indicate if you have a need to do so).
9) Please indicate whether your module will be for middle school (grades 6-8) or high school (grades 9-12) students.

**Submit your proposal by October 31, 2015**, to Laura Conner, ASRA Director (ldconner@alaska.edu).
Please visit our website (www.uaf.edu/asra) for more information about the program. Please do not hesitate to contact us with questions or ideas.

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