

**ALASKA CHAPTER OF THE WILDLIFE SOCIETY  
ANNUAL MEETING  
Feb. 10<sup>th</sup> – Feb. 14<sup>th</sup>, 2020  
Atwood Center Rasmuson Hall, Alaska Pacific University  
Anchorage, Alaska**

<b>MONDAY, FEBRUARY 10th</b>	
8:00 - 17:00	<b>Workshop:</b> F. Witmer & T. Nawrocki - Google Earth Engine. <i>Location: USGS conference room</i>
8:00 - 12:00	<b>Workshop:</b> J. Stetz & S. Crimmins - Scientific Writing for Journals (JWM focus). <i>Location: APU</i>
13:00 - 17:00	<b>Workshop:</b> Career Opportunities Roundtable. <i>Location: APU</i>
18:00 - 21:00	<b>Student/Early Career-Professional Mixer - 49th State Brewing Company</b>

<b>TUESDAY MORNING, FEBRUARY 11th</b>	
<b>8:00</b>	Welcome and Opening Remarks - N. Svoboda
	Land Recognition - J. Temte
	Conference Opening - Major Sponsors
<b>8:30</b>	<b>PLENARY SESSION: Wildlife and Advancing Technologies</b> <b>Moderator - Kim Jones</b>
8:30	M. Wooller - Applications of advanced isotope technologies to wildlife research
9:30	B. Schroeder - Operational considerations for unmanned aircraft systems in Alaska
<b>10:30</b>	<b>BREAK</b>
<b>11:00</b>	<b>Special Session: Wildlife and Advancing Technologies</b> <b>Moderator - Daniel Jenkins</b>
11:00	N. Pamperin - Use of digital aerial photography to enumerate Alaska caribou herds
11:20	R. Kelty - How technology assists in pollinator diversity assessment
11:40	L. McDuffie - Migratory patterns of adult Lesser Yellowlegs ( <i>Tringa flavipes</i> ) revealed through a modern tracking technology
<b>12:00</b>	<b>LUNCH</b>
	<b>AK Chapter Volunteers Luncheon (including Committee members, Working Group members, and all other volunteers)</b>

<b>TUESDAY AFTERNOON, FEBRUARY 11th</b>	
<b>13:20</b>	<b>SESSION A</b> <b>Moderator - Tim Fullman</b>
13:20	D. Thompson - Body temperature patterns vary with day, season, and body condition of moose ( <i>Alces alces</i> )
13:40	M. Perra - What can the reindeer ear hear? Using captive reindeer to evaluate the range of potential acoustic disturbance in caribou
14:00	E. Stacy - Evaluating genetic structure of wolverines in Arctic and Subarctic Alaska: Populations on a changing landscape
14:20	R. Schwanke - Managing Caprinae respiratory disease by utilizing and continually questioning advancing technologies
14:40	K. Beckmen - <i>Mycoplasma ovipneumoniae</i> and respiratory pathogens in Dall's sheep and Caribou: Update on research and investigative findings
15:00	<b>BREAK</b>
<b>15:30</b>	<b>SESSION B</b> <b>Moderator - Amanda Droghini</b>
15:30	G. Hilderbrand - Evidence prey-shifting by brown bears during a period of sea otter recovery
15:50	E. Weiser - Designing and analyzing photographic aerial surveys for fall staging Black Brant
16:10	C. Deane - Assessing approaches to partitioning space with <i>N</i> -mixture models: A case study with Dall's sheep
16:30	D. DiFalco - From TEK to technology: Researching snowshoe hare geophagy in the Brooks Range
16:50	D. Causey - Using wildlife camera trapping for behavioral ecology, conservation, and management in Chugach NF
<b>17:10</b>	Wrap Up and Announcements - K. Jochum
<b>17:15</b>	<b>Student/Early Career Meeting with Alaska TWS Executive Board</b>

<b>WEDNESDAY MORNING, FEBRUARY 12th</b>	
<b>8:00</b>	<b>PLENARY SESSION: Wildlife and Advancing Technologies</b> <b>Moderator - Kim Jochum</b>
8:00	Welcome and Opening Remarks - K. Jochum
<b>8:10</b>	C. Perham & D. Shideler - Application of a new technology and modern use of an old one to locate bear dens on the North Slope
<b>9:00</b>	<b>Special Session: Wildlife and Advancing Technologies</b> <b>Moderator - Kaiti Ott</b>
9:00	D. Magness - Image recognition for wildlife applications
9:20	T. Fullman - Using simulation models to analyze impacts of future development on Alaskan wildlife while accounting for uncertainty

9:40	T. Atwood - Integrating old and new technologies to investigate polar bear energetics
10:00	<b>BREAK</b>
10:30	<b>Business Meeting</b>
10:40	Updates - Active Committees and Working Groups
11:20	Updates - Executive Board
11:50	Discussion of AK Chapter 50-year anniversary meeting in 2021
12:00	<b>LUNCH</b>
	<b>Nutritional Ecology Working Group Meeting</b>

<b>WEDNESDAY AFTERNOON, FEBRUARY 12th</b>	
	<b>SESSION C</b>
13:20	<b>Moderator - Timm Nawrocki</b>
13:20	J. Richert - Deeper winter snow increases protein content and duration of high-quality forage for caribou
13:40	T. Glass - Wolverine habitat selection on tundra in relation to snow
14:00	S. Pedersen - Applying spatiotemporal distributions of snow conditions to better understand caribou movement in a winter landscape
14:20	J. Wagner - Understanding patterns of collared pika density in rapidly changing alpine ecosystems of Alaska
14:40	C. Burns - State of the Arctic Terrestrial Biodiversity Report
15:00	<b>BREAK</b>
15:30	<b>Poster Session and Technology Show and Tell</b>
17:00	Wrap Up and Announcements - K. Jochum
18:00 - 22:00	<b>Banquet Location: APU</b>
	<b>Banquet Speaker:</b> C. Van Hemert - The sun is a compass: A 4000-mile journey into the Alaskan wilds

<b>THURSDAY MORNING, FEBRUARY 13th</b>	
<b>8:00</b>	<b>Session D</b> <b>Moderator - Jeff Wagner</b>
8:00	Welcome and Opening Remarks - K. Jochum
8:10	T. Nawrocki & A. Droghini - Predicting vegetation patterns for inference of ecological relationships between moose and vegetation in Bristol Bay, Alaska
8:30	D. Arnold - Canada lynx connectivity across interior Alaska: Dispersal patterns and survival in relation to snowshoe hare abundance
8:50	B. Robinson - Bringing home the bacon: Spatio-temporal variation in black oystercatcher prey provisioned to chicks
9:10	D. Carl - Population genetic structure of red-faced and pelagic cormorants in the Aleutian and Pribilof Islands
9:30	K. Titus - Science, wildlife and the Tongass National Forest Roadless Rule
9:50	<b>BREAK</b>
<b>10:20</b>	<b>Spark Session</b> <b>Moderator - Shelby McCahon</b>
10:22	A. Fischbach - Surveying coastal walrus haulouts with a small UAS
10:29	T. Nawrocki - Google Earth Engine provides accessible tools for manipulating remotely sensed data
10:36	S. Rodman - ADF&G habitat enhancement, finding momentum
10:43	V. Patil - New opportunities for collaboration and analytical assistance at the USGS Alaska Science Center
10:50	M. Spathelf - Leverage digital data collection for pre and post prescribed burn monitoring and analysis
10:55	Q&A's Spark Session
<b>11:10</b>	<b>Bat Session</b> <b>Moderator - Roy Churchwell</b>
11:10	M. Snively - Spatio-temporal patterns of little brown myotis activity relative to habitat and weather conditions in Southcentral Alaska
11:30	J. Pelham - Natural and anthropogenic roost-use by <i>Myotis lucifugus</i> (little brown bats) in interior Alaska
11:50	D. Causey - Habitat ecology and surveillance of little brown bat populations in Chugach NF
<b>12:10</b>	<b>LUNCH</b>
	<b>Alaska Small Mammal Group Meeting (12:20-12:55)</b>
	<b>Northern Bat Working Group Meeting (13:05-13:35)</b>

THURSDAY AFTERNOON, FEBRUARY 13th	
<b>13:40</b>	<b>SESSION E</b> <b>Moderator - Nate Svoboda</b>
13:40	D. Monson - Brown bears and sea otters along the Katmai coast: Terrestrial and nearshore communities linked by predation
14:00	A. Crupi - Steep and deep: Terrain and climate factors explain brown bear ( <i>Ursus arctos</i> ) alpine den site selection and mitigate heli-ski impacts
14:20	B. Porter - Seasonal habitat and den selection by black bears in an area of intensive logging, Prince of Wales Island, southeast Alaska
14:40	J. Reimer - Speculations on Bats and climate change in Alaska
15:00	<b>BREAK</b>
<b>15:30</b>	<b>SESSION F</b> <b>Moderator - Jeff Stetz</b>
15:30	A. Prichard - Caribou distribution and movements near a northern Alaska oilfield
15:50	L. Adams - Patterns of growth and survival of male caribou, Denali National Park and Preserve, Alaska
16:10	J. Hepler - Validating a GPS collar-based method to estimate parturition events and calving locations for two barren-ground caribou herds
16:30	K. Anderson - Effects of fire on diet composition, foraging behavior, and nutritional status of moose in South-central Alaska
16:50	J. Zhou - Climate change increases habitat connectivity for arctic moose
17:10	Wrap Up and Announcements - K. Jochum

FRIDAY, FEBRUARY 14th	
9:00 - 16:00	<b>Field Trip:</b> Matanuska Experimental Farm Moose Pens and Lab Tour (~60 min tours; see group sign up schedule at registration desk)
9:00 - 16:00	<b>Field Trip:</b> Outdoor Excursion (TBD)