



**Chinmay Shah**

**Ph.D. Engineering: Electrical Engineering**

*B.T., Nirma University, 2012; M.S., University of Houston, 2017.*

**Thesis: Optimization and Forecasting Algorithms for Converter Dominated Distribution Networks using Blockchain and AI**

S qd pda ej \_ra] o] c ej pacn] p]k] kbraj as ] ^ha aj arcu maokqn\_ao SNAO%ej ] ks an  
cne` of okl deope\_] pa` ] ]rckn]pdi o] ra j aa` a` pk kl pa` eva` eol ] p\_d brki` pdaoa  
raokqn\_ao\* Pdeo` eoaap] p]k] ] raocj po] ^hk\_g\_d] ej ) ^] oa` ] n\_dqpa\_pqra bkn\_k)  
kl pa` ev] p]k] kbaj arcu` eol ] p\_d ] j` \_o\_da` qhtj c raocrr ao pk ra` q\_a pda e ] ] \_p  
kbNAOqj \_arp] ej pu ] j` \_ aj d] j \_a pda ] ks an` eopre^q] p]k] j aps krg` at e` d] tpu`

Major professor: Dr. Richard Wies Jr.

**Eva Stephani \*\***

**Ph.D. Permafrost Geosystems: Interdisciplinary Studies**

*B.E., Laval University, 2009; M.S., University of Alaska Fairbanks, 2013.*

**Thesis: Understanding Permafrost Dynamics and Geohazards with a Terrain- Cryofacies Approach**

Pdeo oq]` u \_kj pre^q] pao pk ]` r] j \_ej c kqnqj` \_arop] j` \_ej c kbl ari ] brkop  
`uj ] i\_e\_o ej r] nu] c aj rerkj i aj po qo] c ] ] ] rk] \_dao pd] pra\_kcj eva h] g] cao  
^aps aaj pan] ej ] j` oq^oqr] ] \_a \_kj` e] p]k] o\* Pda i ] ej` j` \_ej co ej \_tq` a`  
e aj p] bu] c ] rkl ar] pao kb] ] ego ] j` \_ nukl aco rah] pa` pk` al] ] e \_d] ] j ah  
i ce] ] p]k] ( ] j` pda` arafkl i aj p\_u\_ha kb] ] ] s otqi ] o ej e] p] pa` ^u ej pan] \_p]k] o  
s qd ej bn] o] p] q\_ p] qra`

Major professors: Dr. Yuri Shur and Dr. Guy Dore

**Molly Elizabeth Tedesche \***

**Ph.D. Hydrology: Interdisciplinary Studies**

*B.S., Rochester Institute of Technology, 2004; M.S., Colorado State University, 2010.*

**Thesis: Brooks Range Perennial Snowfelds: Mapping and Modeling Chanj B**

\* Summer degree recipient

\*\* Fall degree recipient



**Jason Christopher Leppi \***

**Ph.D. Fisheries**

*B.S., Montana State University, 2005; M.S., University of Montana, 2010.*

**Thesis: Broad Whitefish (*Coregonus nasus*) Ecology and Habitat Use in Arctic Alaska: Spawning Habitat Suitability, Isotopic Niches, Life- History Variations, and Climate Change Risks to Subsistence Fisheries**

Pda ^rk]` s dqa od eo ]j ei l krp]j poq^oepaj \_a ol a\_ao kn=l] og] o  
Ej `eaj kqo \_ki i qj qao(uap hppa eo gj ks j ]^kqppda ^] oe\_ a\_kkcu kbpleo

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\* Summer degree recipient

\*\* Fall degree recipient

# College of Liberal Arts

*Dr. Ellen D. S. Lopez, Dean*

**Christopher Michael Cannon \*\***

***Ph.D. Anthropology***

*B.S., University of Alaska Fairbanks, 2007; M.A., University of Alaska Fairbanks, 2014.*

# College of Natural Science and Mathematics

Dr. Kinchel C. Doerner, Dean

## Gazi Mahmud Alam

### Ph.D. Mathematics

B.S., Shahjalal University of Science and Technology, 1998; M.S., Shahjalal University of Science and Technology 1999; M.S., Stockholm University, 2013.

### Thesis: Control Problems for the Wave and Telegrapher's Equations on Metric Graphs

Pda`eoarp]pkj bk\_qoao kj \_kj prkhl rk^hai o bkn s ]ra ]j` palacr]l dan o anq]pkj o kj nu]j ppi cni]l do\* J qi are\_]h] hcknrdi o]ra` arakl a` pk oktra pda \_kj prkhl rk^hai o bkn pda s ]ra anq]pkj \*Pda j a\_aoo]ru ]j` oq \_ej p \_kj` epkj o kb pda at ]\_p\_kj prkhl^dtpu bkn pda palacr]l dan o anq]pkj ]ra l rkl kca` (]j` pda i ej d ]h\_kj prkhpri a eo ej`e\_]pa`\*

Major professor: Dr. Sergei Avdonin

## Janelle Jean Badger \*

### Ph.D. Biological Sciences: Wildlife Biology and Conservation

B.S., Washington State University, 2015; M.S., University of Alaska Fairbanks, 2020.

### Thesis: Drivers of Life History Variation in a Long-Lived, Marine Predator: Individual Heterogeneity in Reproductive Performance of Grey Seals (*Halichoerus grypus*)

@uj ]i e\_o kb ral rk` q\_pra daparkaj aqu s ara at l hkra` ej crau oa] ho \$Halichoerus grypus%^raa` ej c kj O] ^ha Eoh]j` (J kr] O\_kp] \*Naoo]ro ej`e\_]pa p] p]p] `e`e q] hr] n] pkj eo ]i ]ej` n`ran ej hda deopknao p] p]p] p]\_po s epd a\_kkce\_]h\_kj` epkj o ]j` i ]u opai brki a] rhu hda \_d]n]\_p`ro]e.o(oda` `ej c j as hcdpkj\_a\_k) arkltpkj ]ru l rk\_aooao ej lkj c) h`ra` ]j d ]ho`

Major professor: Dr. Greg Breed

## Matthew S. Balazs \*\*

### Ph.D. Geology

B.A., University of Alaska Fairbanks, 2010; B.S., University of Alaska Fairbanks, 2010.

### Thesis: Novel Applications of Remote Sensing and GIS in Mass Wasting Hazard Assessments for Two Fjords of South-Central Alaska

Pdeo raoo]n\_d qoao rai kpa oaj oej c pa\_dj enqao pk`e aj pdu ]j` i ]l i ]oo s ]op] c d]v]n`o ej Qas ]n` ]j` S deppan(=h og] \*I ]l] ej c a krp]ra d l rkra` ^u\_ral]p]c ]/@Hj`\_o\_]a ]j` reas ej c ep] ]j` d i aoo`ra rerp] hna] hpu aj r`ekj i aj p` Oa` d aj p]pkj ej \_npe\_]h]e] b] opq\_p]ra eo\_]h]q]pa` pdrkqcd p] a oanao ]j ]huao qoe] c i q]h] ha alar]pkj i k`aho`

Major professors: Dr. Anupma Prakash and Dr. Gabriel Wolken

\* Summer degree recipient

\*\* Fall degree recipient



**Aline Louise Collin \*\***

**Ph.D. Biochemistry and Molecular Biology**

A.A., Mineral Area College, 2009; B.S., Missouri University of Science and Technology, 2011.

**Thesis: 3T3-L1 Adipocytes as a Model of Glut4 Translocation**





**Elizabeth Fleur Nicklen**

**Ph.D. Biological Sciences**

B.A., Rutgers, The State University of New Jersey, 2002; M.S., University of Alaska Fairbanks, 2006.

**Thesis: Seeing the Forest Through the Trees: How Site Conditions Mediate Black and White Spruce Responses to Climate in Interior Alaska**

Qoqj c praanaj ci a]oqrai aj pbrki s dpa lj ` ^h\_g ol nq\_a ej fj pnrkn=H og] ( pda oqj `u nq]j pe a` dks hk\_]hr]nq]pkj ej oqpa lj ` oq]j ` \_kj ` qpkj o bkn\_a ` `erarcj c crks pd naol kj cao pk oa` d]n\_hi ]pa \_kj ` qpkj o(l rkr'e ej ej oedp ej pk dks pdaoa ol a\_ao l rk` q\_p`qai i ]u l H u kqps qd kj ckj c \_hi ]pa \_d]j cao ]\_rko] daparkcaj akqo H j ` o\_]l a\*

Major professor: Dr. Roger Ruess

**Matthew Christopher Rogers \***

**Ph.D. Biological Sciences**

B.S., University of Michigan, 2000; M.S., University of Alaska Anchorage, 2008.

**Thesis: Applications of Stable Isotope Analysis to Advancing the Understanding of Brown Bear Dietary Ecology.**

>rks j ^a]n` eap] nu a\_klkcu s ]o ej raopæ]pa` qoqj c oq] ^ha eokpl a ]j ]huo p k ej banoa]okj ]h` eap] nu l ] pparj o kbj ` ere q] h^a] no ej ra =H og] a\_kouqai o\* I kop^a]no` eol hu ` eap] nu l ] pparj o pd] pl anoo p d r k q c d pa a(l]j ` pdau l kpa] p] hu i ]ej p] ej bkn]c ej c l ] pparj o araj s daj maokqna ]r] d] ^d`qai \_d]j cao ` qa pk j ] pqr] h q\_p] p k j o(` eopqr^]j \_a kn\_hi ]pa \_d]j ca\*

Major professors: Dr. Brian Barnes and Dr. Jef rey Welker

\* Summer degree recipient

\*\* Fall degree recipient

# College of Rural and Community Development

Mr. Bryan Uher, Dean

**Margaret Susan Draskovich Mete \*\***

**Ph.D. Indigenous Studies**

B.S., St. Francis School of Nursing, 1977; M.P.H., University of South Florida, 1994; M.S., University of Alaska Anchorage, 1999.

**Thesis: Celebrating Alutiiq Cultural Revitalization: Pathways to Holistic Individual Health and Community Wellness**

Pda l rki k p k j kb ^] h j \_a` d k l e o p e \_ d a] l p d ^ u ] ` ` r a o o j c r k k p \_] q o a o ( ] \_ \_ a o a ` p d r k q c d \_ k i i q j e \_] p k j s e p d p d a j ] p q n] h] j ` o l e p p q] h r a] h i o r a n o q o i a r a h u p r a] p j c l d u o e \_] h i ] j d a o p] p k j o ( s ] o a t l h k r a ` \* P d a ] \_ p r a \_ q l p q n] h