



**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\_p]qra bkn\_k)  
kl pa` ev] p]k] kbaj arcu` eol ] p\_d ] j` \_o\_da` qhtj c raocarr 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 kng` 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 htj g] cao  
^aps aaj pan] ej ] j` oq^oqr] ] \_a \_kj` ep]k] o\* Pda i ] ej` j` ej co ej \_tq` a`  
e aj p]bu] c ] rkl ar] pao kb] ] h] go ] 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 ep] ] 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**

Ph.D. recipient of the Ph.D. degree in Fisheries, University of Montana, 2010. M.S. recipient of the M.S. degree in Fisheries, University of Montana, 2010. B.S. recipient of the B.S. degree in Fisheries, Montana State University, 2005.

\* 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] hckrpd i 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 \_e] p \_kj` epkj o kb pda at ]\_p\_kj prkhl^d epu bkn pda palacr]l dan o anq]pkj ]ra l rkl kca` (]j` pda i ej` d ]h\_kj prkhp i a eoj` 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 h kra` ej` crau oaj]ho \$Halichoerus grypus%^raa` ej` c kj O] ^ha Eoh]j` (J kr] O\_kp] \*Naoo]ro ej` e\_] pa p] p] ej` e`e` q] hr] n] pkj eo ]i ]ej` n`ran ej` hda deokrnao p] p] p] \_po s ep] a\_kkce\_]h\_kj` epkj o ]j` i ]u opai b rki a] rhu hda \_d]n] \_paroe]o(oda` `ej` c j as hcdpkj \_a\_k) arkltpkj ]ru l rk\_aooao ej` lkj c) h`ra` ]j` e\_]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 p]u ]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 e` l rkra` ^u\_rn] p] c ] /@ H]j` \_o\_]a ]j` r`as ej` c ep] ]j` e` i anoe`ra r`ep] ]hna] hqu aj r`ekj i aj p` Oa` e` aj p] pkj ej` \_npe\_] h`ej` b] op]q\_p]ra eo\_] h]q]h] pa` p]r]kqcd p] a oanao ]j] huoao qoe] c i q]h] ha alar] pkj i k` alh`

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 ` epkj o bkn\_a ` `erancj c crks pd naol kj cao pk oa` d]n\_hi ]pa \_kj ` epkj o(l rkr'e ej ej oedp ej pk dks pdaa ol a\_ao l rk` q\_p`epu i ]u l H u kqps epd 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` ep] nu a\_klkcu s ]o ej raopæ]pa` qoqj c oq] ^ha epkpl a ]j ]huoepk ej banoa]okj ]h` ep] nu l ] pparj o kbj `ere q]h^a]no ej ra =H og] a\_kouqpai o\* I kop^a]no `eol hu ` ep] nu l ] pparj o pd] pl anooep pdrkqcd pa a(l]j ` pdau l kpaj p]hu i ]ej p]ej bkn]cej c l ] pparj o araj s daj maokqna ]r] d] ^epu \_d]j cao `qa pk j ] pqr]h q\_p]pkj o(` epqr^]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