

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 _ar] ej pu] j` aj d] j _a pda] ks an` eopre^q] p]k] j aps kng` at e` d] q] u`

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 o] q]` u _kj pre^q] pao pk]` r] j _ej c kqnqj` ar] p] j` ej c kbl ari] brkop
`uj] i_e_o ej r] nu] c aj rerkj i aj po qo] c]]] rk] _dao p]] pra_kcj eva h] g] cao
^aps aaj pan] ej] j` oq^oq] r] _a _kj` e] p]k] o* Pda i] ej` j` ej co ej _iq` 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 Snowf elds: Mapping and Modeling Chanj B

* Summer degree recipient

** Fall degree recipient

College of Fisheries and Ocean Sciences

Dr. S. Bradley Moran, Dean

Patrick Dylan Barry *

Ph.D. Fisheries

B.A., Carleton College, 2005; M.S., University of Alaska Fairbanks, 2010.

Thesis: Spatio-temporal Genetic Structure, Effective Population Size and Parentage Simulations from Contemporary Genetic Samples and Historic Demographic Data From Sockeye Salmon (*Oncorhynchus nerka*) in Auke Lake, Alaska

Qj ` anoplj ` ej c pda a D a D a`

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]^kqp pda ^] oe_ a_kkcu kb pdeo

* 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 _ej 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 deokrnoo p] p] p] _po s epd a_kkce_]h_kj` epkj o]j` i]u opai brki aj 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 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] / @ H] `o_]a]j` reas ej c ep]]j` d i aoo`ra rerp] hna] hpu aj rerkj i aj p` Oa` e` aj p] pkj ej _npe_] h ej bn] opq_pra eo_] h q]h] pa` pdrkqcd p i a oano]j] huao qoej 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 ` qpkj o bkn_a ` `erancj c crks pd naol kj cao pk oa` d]n_hi]pa _kj ` qpkj o(l rkr'e ej ej oedp ej pk dks pdaa 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 lj] huoo pk ej banoa]okj]h` eap] nu l] pparj o kbj ` er'e q]h^a]no ej ra =H og] a_kouqai o* I kop^a]no ` eol H u ` eap] nu l] pparj o pd] pl anoo pdrkqcd pa a(lj ` pdau l kparj p] hu i]ej p]ej bkn]cej c l] pparj o araj s daj maokqna]r] d] ^d`qai _d]j cao ` qa pk j] pqr] h q_p] p]kj 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