



Winston Starr Burbank, Jr. *

Ph.D. Engineering: Mechanical Engineering

B.S., Oregon State University, 2004. M.S., University of Alaska Fairbanks, 2006

**Thesis: Modeling of a Novel Triple Turbine Solid Oxide Fuel Cell Gas Turbine
Hybrid Engine with a 5:1 Turndown Ratio**

Yu Zhang **

Ph.D. Engineering: Civil Engineering

B.S., Zhejiang University of Technology (People's Republic of China), 2000. M.S., Southeastern University (People's Republic of China), 2003

Thesis: Impact of Freeze-Thaw on Liquefaction Potential and Dynamic Properties of Mabel Creek Silt

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Jennifer Carroll

Ph.D. Anthropology

B.A., Harvard-Radcliffe College (Massachusetts), 1990. M.A., University of Alaska Fairbanks, 1995

Thesis: Maybe an Answer is in There: Life Story in Dialogue

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Major Professor: Dr. William S. Schneider

Medea Csoba DeHass **

Ph.D. Anthropology

M.A., Eotvos Lorand University (Hungary), 2002

Thesis: Sugpiaq Russian Orthodoxy — Conceptual Analogy in Religious Syncretism in Nanwalek, Alaska

Z

Major Professor: Dr. Peter P. Schweitzer

Theresa John

Ph.D. Indigenous Studies

B.A., University of Alaska Fairbanks, 1983. M.Ed., University of Alaska Fairbanks, 1992

Thesis: Yuraryararput Kangiit-Illu: Our Ways of Dance and Their Meanings

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Philip A. Loring

Ph.D. Indigenous Studies

B.A., Florida Atlantic University, 2005. M.A., University of Alaska Fairbanks, 2007

**Thesis: Ways to Help and Ways to Hinder: Climate, Health, and Food Security
in Alaska**

Jason A. Addison **

Ph.D. Geology

B.S., University of Washington, 2004. B.S., University of Washington, 2004

Thesis: High-Resolution Paleoceanography of the Gulf of Alaska, Subarctic Northeast Pacific Ocean, Since the Last Glacial Maximum: Insights Into a Dynamic Atmosphere-Ocean-Ecosystem Linkage at Decadal to Millennial Timescales

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Major Professors: Dr. Bruce P. Finney and Dr. James E. Begét

Leslie Deanne Almberg

Ph.D. Geology

B.S., University of Washington, 2001. M.S. University of Alaska Fairbanks, 2003

Thesis: Temporal-Spatial Micro-Scale Investigations of Shallow Silicic Conduits: Late-Stage Degassing, Crystallization, and Alteration

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Major Professor: Dr. Jessica F. Larsen

Jason Amundson

Ph.D. Geophysics

B.S., University of Minnesota, Twin Cities, 2003. M.S., University of Alaska Fairbanks, 2006

Thesis: Iceberg Calving Dynamics of Jakobshavn Isbræ, Greenland

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Brian Michael Barth *

Ph.D. Biochemistry and Molecular Biology: Neuroscience Option

B.S., Colorado State University, 2004

Thesis: Ceramide Metabolism Regulates a Neuronal NADPH Oxidase
Influencing Neuron Survival During Inflammation

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Major Professor: Dr. Thomas B. Kuhn

Rebecca Leah Bentzen **

Ph.D. Biological Sciences: Wildlife Biology

B.A., University of Alaska Fairbanks, 1998

Thesis: Reproductive Patterns in King Eiders

(*Somateria spectabilis*)

Major Professor: Dr. Abby N. Powell

Todd J. Brinkman *

Ph.D. Biological Sciences: Wildlife Biology

B.S., Minnesota State University Mankato, 2000. M.S., South Dakota State University, 2003

* Summer degree recipient

** December degree recipient

Anna S. Bulanova *

Ph.D. Mathematics

B.S., St. Petersburg State University (Russia), 2002

Thesis: Control Theoretic Approach to Sampling and Approximation Problems

Max P. Kullberg

Ph.D. Biochemistry with an emphasis on Drug Delivery: Interdisciplinary Program

B.S., California Institute of Technology, 2000

Thesis: Targeting of Her-2 Overexpressing Breast Tumor Cells with Immunoliposomes

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Victor S. Mikhailov **

Ph.D. Mathematics

B.S., St. Petersburg State University (Russia), 2000

Thesis: Control and Inverse Problems for One Dimensional Systems

Major Professor: Dr. Sergei A. Avdonin

Anshul Pandya **

Ph.D. Biochemistry and Molecular Biology: Neuroscience Option

B.O., University of Pune (India), 1999

Thesis: Pharmacology of a Novel Class of Allosteric Modulators for the Alpha4 Beta2 Sub-Type of Neuronal Nicotinic Acetylcholine Receptors

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Major Professor: Dr. Marvin K. Schulte

Daniel J. Rinella

Ph.D. Biological Sciences: Biology

B.S., Lake Superior State University (Michigan), 1996. M.S., Auburn University (Alabama), 2002

Thesis: Marine-derived Nutrients in Riverine Ecosystems: Developing Tools for Tracking Movement and Assessing Effects in Food Webs on the Kenai Peninsula, Alaska

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Todd Sformo **

Ph.D. Biological Sciences: Biology

B.A., John Carroll University (Ohio), 1986. M.A., State University New York at Buffalo, 1993.

M.F.A., University of Alaska Fairbanks, 1995. M.S., University of Alaska Fairbanks, 2003

Thesis: Overwintering Physiology of Arctic and Subarctic Insects from Interior Alaska

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<i>Elasmotherus interstinctus</i>	<i>Cucujus clavipes puniceus</i>		z -
<i>Exechia nugatoria</i>	z -	z -	
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Major Professors: Dr. Brian M. Barnes and Dr. John Duman

Kalb Stevenson *

Ph.D. Biological Sciences: Zoology

B.S., University of Arizona, 2000. M.S., University of Arizona, 2003

Thesis: The Seasonality of Reproduction, Body Composition, and Energy Expenditure in Northern Red-Backed Voles (*Myodes rutilus*)

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Dr. Eric C. Madsen, Dean

Gail Kazuko Kawakami-Schwarber

Ph.D. Counselor Education: Interdisciplinary Program

B.A., University of British Columbia (Canada), 1993. M.A., Alaska Pacific University, 2002

Thesis: Protective Factors Promoting Psychosocial Resilience in Biracial Youths

Major Professor: Dr. Allan A. Morotti

Roy F. Roehl II

Ph.D. Education and Mathematics Standardized Test Scores: Interdisciplinary Program

B.Ed., University of Alaska Fairbanks, 1993. M.Ed., University of Alaska Fairbanks, 1996

Thesis: Correlation Between Teacher Turnover Rates in the State of Alaska and Standardized Test Scores in the Area of Mathematics on the Standards Based Assessment/High School Qualifying Exam

Major Professor: Dr. Bryan Brayboy

* Summer degree recipient

** December degree recipient

Dr. Denis Wiesenburg, Dean

David C. Caroffino *

Ph.D. Fisheries

B.S., Lake Superior State University (Michigan), 2004. M.S., University of Minnesota - Twin Cities, 2006

Thesis: Early Life History Dynamics of Lake Sturgeon
(*Acipenser fulvescens*)

G

Major Professor: Dr. Trent M. Sutton

Markus A. Janout **

Ph.D. Oceanography

B.S., University of Hamburg (Germany), 2003

Thesis: Heat and Freshwater Controlling Processes on the Northern Gulf of Alaska Shelf

G

Major Professor: Dr. Thomas J. Weingartner

Haixue Shen **

Ph.D. Fisheries

B.A., Ocean University of China, 1997. M.S., Ocean University of China, 2000

Thesis: Walleye Pollock (*Thegra chalcogramma*) Distribution in the Eastern Bering Sea Related to Fishery and Environmental Factors

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Major Professor: Dr. Terrance J. Quinn II

