



**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

G

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*

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\* 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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\* Summer degree recipient

\*\* December degree recipient

**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

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\* 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

