



**2013 Arctic  
Innovation  
Competition**

**Friday, October 18, 2013**  
UAF Wood Center Ballroom

**UNIVERSITY OF ALASKA FAIRBANKS  
School of Management**

# Order of Events

12:00 pm

**AIC Check-In**

1:00 pm

**Judge & Competitor Orientation**

1:30 pm

**AIC Top 20 Semi-Final Round**

3:00 pm

**AIC Jr. Check-In**

3:30 pm

**AIC Jr. Orientation**

4:00 pm

**AIC Jr. Finals**

5:00 pm

**AIC Final Four Presentation/Q&A**

6:00 pm

**BP Award Ceremony & Reception**

# Judges

**Jack Wilbur**

**Jon Bittner**

**Nick Ferree**

**Heather Heineken**

**Bharat Jhaveri**

**Ronald Johnson**

**Bernie Karl**

**Paul Robinson**

**Renee Staley**

Design Alaska **AIC JUDGES' CHAIR**

Anchorage Economic

Development Corporation

PDC Engineers

Yukon Accounting and Consulting

BP

UAF Engineering Professor Emeritus

Chena Hot Springs / K&K Recycling

Robinson & Associates, PC

Birchwood Homes

# Contestants & Ideas

## IN ORDER OF PRESENTATION:

Travis Blackman	Tooth-Mounted, Rechargeable, Audiovisual Camera (Trav-Cam)
Kan Cheng	Fuel-Air Hybrid Engine
Tonie Mbuik	2 in 1 Oral Cleaner
Robert & Sharon Sjoldal	Firewood Chopping Table
Robert Steven Downer	Metroknob - Electric Guitar Knob
Brian McKinnon	Alumaski for Alaskan Rivers
Daniel Peters	Remote Wall Insulating Panels
Mitchell Davidson	Follow the Leader - GPS Hat
Ryan Williams-Cudo	Northslope Pykrete Ice Roads
Mark Gunkel	Spot on Bow Sight
Jason Edwards	Wheelchair Retractable Studs
Amy Jenson	Safe and Sound
Les Kalman	Fluoridated Beeswax: Honeyflo
Mickey Renkert	Tape Boss
Charles Russell	Visual Fuel-Sump for Checking Water Contamination
Tara Rystad	Adjustable Setting Block for Glass Work
Theo Graber	Delta-T Wood Stove Generator
Jon Christensen	Cargo Keeper - A Useful Pickup Tonneau
Rick Patton	Food Smoke Adapter
Terry Hope	Solarcross e-Bike

1<sup>st</sup> place: \$10,000

2<sup>nd</sup> place: \$5,000

4<sup>th</sup> place: \$1,000

3<sup>rd</sup> place: \$2,000

16 awards of \$100

# AIC Jr.

This is the second year the UAF Arctic Innovation Competition is hosting a junior division for ages 17 and under. Young innovators from around the world submitted 33 ideas to the 2013 AIC Jr.



**1<sup>st</sup> Place \$500**

**2<sup>nd</sup> Place \$300**

**3<sup>rd</sup> Place \$200**

**Honorable Mention \$25**

## AIC Jr. Judges

**Mayor Luke Hopkins  
Mike Campbell**

**Julie Higbee**

**Catharine Persinger**

**Heather Rauenhorst**

Fairbanks North Star Borough  
Ft. Wainwright Child Youth and  
School Services

Kinross Ft. Knox and  
Mrs. Fairbanks 2014

Fairbanks Resource Agency and  
Cold Stone Creamery

FNSB School District

### AIC Jr. Sponsor

The 2013 AIC Jr. is made possible by a generous gift from Kinross Fort Knox.

**KINROSS**

**Fort Knox**

The following are the top 7 AIC Jr. ideas chosen for the final competition, in presentation order:

**Gavin McGahan &  
Jaden Gollwitzer**  
13 years old &  
11 years old

### **Inhaler Holster**

An inhaler might be too far out of reach for somebody having an asthma attack, but not if they have a holster for it.

**Lewis Enterkin**  
8 years old

### **Roller Skate Mops**

We should have fun while cleaning our floors, and roller-skates mops are the answer.

**Nathaniel Cook**  
16 years old

### **Heart Monitoring Shooting Glass**

When shooting a bow it can be difficult to account for your heartbeat. A LED light on the sides of conventional shooting glasses flashes in rhythm with your heart.

**Garrick Oberndorfer**  
17 years old

### **Adjustable Keel Leveler**

Using a system of locks and pulleys, this product aims to increase the fuel efficiency of boat rides.

**Luther Jenson**  
16 years old

### **Removable Felt Soles**

Designed to fight the spread of harmful organisms while maintaining superior traction.

**Sourav Kumar Chanda**  
17 years old

### **Street Light Management System**

A system programmed to adjust the brightness of street lights to conserve energy.

**Madi Hrinko &  
Layla Houston**  
11 years old &  
12 years old

### **Stroller Vac**

Parents, do your kids make messes while you're strolling them around? This stroller comes equipped with a vacuum that can be charged with each push.

# AIC Quotes

"I love being a part of the AIC; it's a fantastic event. I'm excited to be a judge again this year and I can't wait to see the amazing ideas that make it to the final round."

Jon Bittner, AIC Judge  
Anchorage Economic Development Corp.

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"The AIC competition has been a great incentive for my students to come up with an idea, research and refine it, produce a visual and explain it in writing. I'm pleased the AIC opened the competition up to young people, and gave them a chance to be innovative and creative."

Chris Greenfield-Pastro  
7th grade teacher, Randy Smith Middle School

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"I continue to be surprised by the diversity and breadth of ideas. These ideas may result in start-up businesses which are essential to our economy."

Jack Wilbur, Donor and Judge  
Design Alaska

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"Entrepreneur Rick Stafford heard about an innovation contest that awards cash prizes to inventors. Since it was free for anyone to enter, he signed up and spent a day last year competing against more than 200 other participants in showing off their inventions before a panel of judges.

Mr. Stafford won first place and took home a check for \$10,000. Today, Airlite Snowshoes's flagship product is sold online and in retail stores in four states. Mr. Stafford owns his business outright and says that it is debt-free and profitable."

WSJ.com  
September 21, 2013

# Founding Sponsors

The UAF Arctic Innovation Competition is proud to recognize the sponsors who have supported the AIC since it began in 2009.

These sponsors have shown their commitment and strengthened our collective resolve to promote innovation and open doors to the opportunities for economic development in Alaska.



## Northrim Bank

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