2017 Arctic Innovation Competition

Presented by

USIBELLI COAL MINE, INC.

Saturday, October 21, 2017
Wedgewood Resort

UNIVERSITY OF ALASKA FAIRBANKS
School of Management
### Order of Events

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>9:00 am</td>
<td>Main Check-In Begins</td>
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<tr>
<td>9:45 am</td>
<td>Judge &amp; Competitor Orientation</td>
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<tr>
<td>10:00 am</td>
<td>Main Semi-Final Round</td>
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<tr>
<td>12:30 pm</td>
<td>JR &amp; Cub Check-In Begins</td>
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<tr>
<td>1:15 pm</td>
<td>JR &amp; Cub Orientation</td>
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<tr>
<td>1:30 pm</td>
<td>JR &amp; Cub Finals</td>
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<tr>
<td>3:00 pm</td>
<td>Main Final Four Presentations</td>
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<tr>
<td>4:00 pm</td>
<td>BP Award Ceremony &amp; Reception</td>
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### Main Division Judges

- Jack Wilbur
- Erica Betts
- Jon Bittner
- Kathryn Dodge
- Kathleen Hook
- Emma Kelly
- Frank Paskvan
- Paul Robinson
- Design Alaska
- AIC Judges’ Chair
- PDC Engineers
- Alaska Small Business Development Center
- Alaska SCORE
- Doyon Utilities
- Anchorage Economic Development Corp.
- BP
- Robinson & Ward, PC
AIC Main Contestants & Ideas

In order of presentation

Brian McKim
John Hoback & Verele E. Hoback
Daniel Lum
Piper Wilder
Steven Haagenson & John Huber Jr.
Julian Ferreras
Nickie Culver, Olga Morgan, Elygha Meston & Anna Taylor
Tesia Thomas, Shanina Knighton & Ali Suqrat
Cindy FitzPatrick
Lee Santoro
Tim Fulton
Lance Ahern & Tammas Brown
Donna Brady Robertson
Kelly Lucas
Jerry Fleishman, Evan Mathers, Daniel Cole & Bob Tsiganis

Youst: Virtual Reality Garage Sale
Rocket
Arctic Armor Spill Recovery
60Hertz Microgrids
Freeze Protection through Volume Donation
FERRERAS Drill Alignment Tool
Cubhouse
Zip Shift Klos® - Modern, Sustainable Closure
Restangles
Arctic Automatic
TISABAS (tm)
Your Kitchen Startup
Wheel Sleds for Walkers & Carts
Jaw Logic
Rough Duty Boat

ASTERISK denotes ideas competing for Kicker Prizes

Alaska College Student Kicker
Arctic Kicker
Recycling Kicker
Main Division Prizes

1\textsuperscript{st} place $10,000
2\textsuperscript{nd} place $5,000
3\textsuperscript{rd} place $3,000
4\textsuperscript{th} place $1,000
11 awards of $100

Kicker Prizes

Kicker Prize winners are selected from among the top Main Division ideas. Competitors are eligible to win any of the Kicker Prizes in addition to one of the top prizes.

Alaska College Student Kicker
Awarded for the best idea submitted by an Alaska college student.

Arctic Kicker
Awarded for the best arctic-related innovation that is sustainable, efficient, and makes living in the Arctic easier.

Recycling Kicker
Awarded for the best innovation for a product, service, or process that encourages or utilizes the reduction, reuse, or recycling of solid wastes.

Photos taken by UAF photographer JR Ancheta, Troy Bouffard, Bridgit Lawson, and Joel Parrott will be available online on the AIC Facebook page.
# JR Prizes

<table>
<thead>
<tr>
<th>Place</th>
<th>Prize</th>
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<tbody>
<tr>
<td>1st</td>
<td>$1,000</td>
</tr>
<tr>
<td>2nd</td>
<td>$500</td>
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<tr>
<td>3rd</td>
<td>$400</td>
</tr>
<tr>
<td>4th</td>
<td>$300</td>
</tr>
<tr>
<td>5th</td>
<td>$300</td>
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# Cub Prizes

<table>
<thead>
<tr>
<th>Place</th>
<th>Prize</th>
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<tbody>
<tr>
<td>1st</td>
<td>$500</td>
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<tr>
<td>2nd</td>
<td>$300</td>
</tr>
<tr>
<td>3rd</td>
<td>$200</td>
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# Honorable Mentions

<table>
<thead>
<tr>
<th>Prize</th>
<th></th>
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<tbody>
<tr>
<td>$50</td>
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Thank you to all the AIC JR and Cub competitors!
We look forward to a promising future full of innovation thanks to the creative thinkers like those who presented today.

**AIC JR and Cub Sponsor**
The 2017 AIC JR and Cub competitions are made possible by a generous gift from Kinross Fort Knox.

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**Fan Favorite Awards**

All attendees may vote for their favorite idea in each division. One vote per attendee, please! The Fan Favorite Award Winner in each division will receive $100 and a special trophy.

**Thank you to Fan Favorite Sponsor**

Allstate Insurance!

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The following are the top AIC JR (ages 13 to 17) ideas chosen for the final competition, in presentation order:

**School Bus Tracker**
School Bus Tracker is an app for students and parents to track the location of their school bus.

**Electronic Sidewalk (ES)**
Electronic sidewalk is an electronic plate system built into the ground to generate renewable energy from footsteps.

**The Infinity Drill**
The Infinity Drill is an industrial drill for remote control use in hazardous areas.

**Water Tank Depth Sensor**
The Water Tank Depth Sensor is an ultrasonic sensor that uses sound waves to measure the amount of water in a holding tank.

**LetsGoShopping App**
LetsGoShopping is a GPS app that navigates inside grocery stores to quickly locate products.

The following are the AIC JR ideas chosen to receive honorable mentions (alphabetical by idea):

- Kaylynn Balcom (16 years old)
- Dawson Hampton (17 years old)
- Miranda Ayala, Travis Confer & Sabian Bott (16 years old)
- Cadence Conner (13 years old)
- Chironomy Sight
- Hydraulic Car Jack
- Rechargeable Light Bulb
- SafetyStart

**JR Division Judges**

- Mark Fullenwider, Kinross Ft. Knox
- Bobby Hanson, Fountainhead Development, Inc
- Chris Marok, Marok Allstate
- Justin Seavey, Usibelli Coal Mine
The following are the top AIC Cub (ages 12 and under) ideas chosen for the final competition, in presentation order:

**Erin Wallace**
- Easy Voter
  - The Easy Voter is a handheld device that allows US citizens to vote from any location on election day.

**Madison Davis, Layla Thompson & Madison Sopp**
- Climate-Controlled Boots
  - Climate-Controlled Boots adapt to the weather by heating up in the winter and ventilating in the summer.

**Tayton Brice**
- Moose Aware Flare
  - The Moose Aware Flare is a device to alert drivers about recently spotted wildlife and prevent accidents.

The following are the AIC Cub ideas chosen to receive honorable mentions (alphabetical by idea):

Matteo Kuizenga & Cooper Mulholland
- All-Season Skis
- Collapsible Carrier
- Drone Emergency Survival Kit
- MSVI

Liberty Lobe
- (Both 12 years old)

Luke Karpik
- (7 years old)

Anna Pak & Noor Shubair
- (Both 12 years old)

Cub Division Judges

Melissa Harter, FNSB Libraries
Philip Moore, Kinross Ft. Knox
Heather Rauenhorst, FNSB School District
Emily Vockeroth, North Star Imagination Library
Partners

Alaska Division of Economic Development
Alaska Small Business Development Center
Allstate Insurance, Chris Marok
Anchorage Economic Development Corporation
Cold Stone Creamery
Design Alaska
Doyon, Limited
Fairbanks Economic Development Corporation
Fairbanks North Star Borough
Foundation Health Partners
Fountainhead Development, Inc.
Juneau Economic Development Council
PDC Engineers
Ravn Alaska
* Founding partner, supporting AIC since 2009

Don’t hide all the excitement!
Share your #AIC2017 photos!