

OLD GUARD ORAL COMPETITON			
Place	Name	School	Title of Presentation
1 <sup>st</sup> (\$500)	Matt McCrink	Boise State University	Micro-Propulsion Devices in Low Temperature Co-Fired Ceramics
2 <sup>nd</sup> (\$150)	Kathryn McDonald	University of Idaho	Scoping the Feasibility of Using the Passive Product Entrainment Method for Uranium Product Transport and Removal in an Electrorefiner
3 <sup>rd</sup> (\$100)	Ryan Stanton-Wyman	Gonzaga University	Automating Control of Carbon Fiber Presentation to a Loom
4 <sup>th</sup> (\$50)	Sean Jackson	Central Washington University	Solar Car Suspension
5 <sup>th</sup> (\$25)	Brad Kinney	Boise State University	The use of wavelets in Analysis of Audio Signals
Best Technical (\$50)	Kathryn McDonald	University of Idaho	Scoping the Feasibility of Using the Passive Product Entrainment Method for Uranium Product Transport and Removal in an Electrorefiner
Total Number Student Sections Participating			5
Total Number of Contestants			6

OLD GUARD TECHNICAL POSTER COMPETITON			
Place	Name	School	Title of Presentation
1 <sup>st</sup> (\$200)	Mary Worman	Montana State University	Spur Gear Design Program Development
2 <sup>nd</sup> (\$50) Paid by District Treasurer	Casey Huffaker	Boise State University	Acoustic Characterization of Stethoscopes
3 <sup>rd</sup> (\$25) Paid by District Treasurer	Michael Hagler	Boise State University	Magneto-Mechanical Properties of Ni-Mn-Ga with Different Microstructures
4 <sup>th</sup> (No \$)	Kenneth Hanson Jr.	Saint Martin's University	Mechanical Engineering
Best Technical (No \$)	Casey Huffaker	Boise State University	Acoustic Characterization of Stethoscopes
Total Number Student Sections Participating			3
Total Number of Contestants			4

OLD GUARD TECHNICAL WEB PAGE COMPETITON			
Place	Name	School	Title of Presentation
1 <sup>st</sup> (\$200)	Adrian Gomez	University of Idaho	Advanced Antenna Research
Total Number Student Sections Participating			1
Total Number of Contestants			2

<b>STUDENT DESIGN CONTEST</b>		
<b>First (\$200.00/Team) +Trophy</b>		
Device Name	Oregon State Caster	
School	Oregon State University	
Team Captain	David Meeker	
Team Member #2	Tesfalem Zewdneh	
Team Member #3	Paul Stuart	
Team Member #4	Kyle Zirschky	
<b>Second (\$100.00/Team) + plaque</b>		
Device Name	Quad Rod	
School	University of Idaho	
Team Captain	Edwin Anderson	
Team Member #2	Randall Storms	
Team Member #3	James Watson	
<b>Third (\$50.00/Team) + plaque</b>		
Device Name		
School	Washington State University	
Team Captain	Craig Cordill	
Team Member #2	Cory Overman	
Team Member #3	Stanley Gross	
<b>Total Number Student Sections Participating</b>		<b>3</b>
<b>Total Number of Devices Entered</b>		<b>3</b>
<b>Total Number of Students Participating</b>		<b>10</b>

<b>MICRO - BAJA (INFORMATION ONLY)</b>		
<b>First</b>		
Device Name	Kit	
School	Portland State University	
Team Captain	Kenneth Lou	
Team Member #2	Alex Higgins	
Team Member #3	Chantelle Hansen	
Team Member #4	Eric Chamberlain	
<b>Second</b>		
Device Name	Shorty	
School	Montana State University	
Team Captain	Lance Johnson	
Team Member #2	Chad Wagenhals	
Team Member #3	Robert Baenziger	
<b>Third</b>		
Device Name	Krall	
School	University of Idaho	
Team Captain	Kurt Hall	
Team Member #2	Michela Moreland	
Team Member #3	Matthew Herset	
Team Member #4	Brennan Metcalf	
Team Member #5	Randi Adams	
Team Member #6	Louis Duchene	
Team Member #7	Jerald Lane	
Team Member #8	Doug Overholtzer	
Team Member #9	Phil Arpke	
<b>Total Number Student Sections Participating</b>		<b>6</b>
<b>Total Number of Devices Entered</b>		<b>8</b>
<b>Total Number of Students Participating</b>		<b>27</b>

**OTHER AWARDS -**

Award	School	Score/Qty/Other
Most Students In Attendance (\$100)	University of Idaho	17 students
Km Award (Plaque)	University of Idaho	
<b>IF YOU PRESENT ANY AWARDS NOT LISTED ABOVE PLEASE INCLUDE INFORMATION HERE REGARDING THE WINNERS.            (Sample: TeeShirt Contest, Impromptu Contest, etc.)</b>		
1 <sup>st</sup> Ingersoll Rand	California Polytechnic University @San Luis Obispo	845 points
2 <sup>nd</sup> Ingersoll Rand	California State University @Chico	738 points
3 <sup>rd</sup> /Most Improved Ingersoll Rand	California State University @Fresno	686 points

**SSC Representative**

Rep	Name	School
Student - Region VIII	Michelle Moreland	University of Idaho, e-mail <a href="mailto:more2219@uidaho.edu">more2219@uidaho.edu</a>

**GENERAL INFORMATION**

Location of Conference (Hotel or Campus)	Campus
Was there a Official Hotel - If Yes: Name, Address, Room Rate	Northwest Lodge 6989 Federal Way, Boise, ID 83716 ... \$75
Registration Fee(s)	\$65/\$85
Activities Other than Old Guard Oral, Poster, Web and Student Design Contest (Sample: GSTC, Impromptu Design, etc.)	GSTC - 3 Schools, 7 Presentations Micro-Baja (See above) T-Shirt

## 2006 ASME Spring Conference Schedule

### Friday, April 7, 2006

3:00 PM	-	5:00 PM	Registration	MEC Lobby
3:00 PM	-	5:00 PM	Early Old Guard Oral Presentations	MEC 106
5:00 PM	-	6:00 PM	Time for travel to DCI and setup of SDC	
6:00 PM	-	6:30 PM	Welcoming speech from Dean Shrader from the Boise State College of Engineering.	Discovery Center of Idaho (DCI)
6:30 PM			Informal Dinner: Everyone is encouraged to view the Discovery Center of Idaho exhibits and SDC.	DCI
6:30 PM	-	7:00 PM	Student Design Contest: Check-in with devices and meet with contestant teams.	DCI
7:00 PM	-	7:30 PM	Student Design Contest: Inspect device size./Judges' inspection.	DCI
7:30 PM	-	8:00 PM	Student Design Contest: Peer Review, followed by judges re-inspection	DCI
8:00 PM	-	10:00 PM	Student Design Competition*	DCI

### Saturday, April 8, 2006

7:00 AM	-	8:00 AM	Students on their own for breakfast	MEC Lobby
8:00 AM	-	9:00 AM	Orientation and Check-In for Old Guard Oral Competitors.	ET 110
9:00 AM	-	12:00 AM	Old Guard Technical Web Viewing	MEC 103
9:00 AM	-	12:00 PM	Old Guard Technical Poster Viewing	MEC 106
9:00 AM	-	12:00 PM	Old Guard Oral Competition	ET 110
12:00 PM	-	1:00 PM	Lunch: Presentation by Peter Bryant. "BC Car Design"	ET Lobby
1:00 PM	-	3:00 PM	Old Guard Oral Competition	ET 110
1:00 PM	-	4:00 PM	Graduate Student Technical Conference	MEC 106
1:00 PM	-	3:00 PM	Micro Baja Check-In and Inspection	MEC 114
3:00 PM	-	6:00 PM	Micro Baja Competition	HML / Fountain
7:00 PM	-	10:00 PM	Closing Ceramones, Dinner, T-Shirt contest, Awards	Discovery Center of Idaho (DCI)



		Stu	SSA	GSTC	Oral	Poster	Web	Design Contest		Micro Baja	
								Teams	Mbrs	Teams	Mbrs
08090A	University of Idaho/Moscow	17	1	2	1		2	1	3	1	9
08100A	University of Portland										
08110B	University of Washington										
08080A	Walla Walla College										
08090B	Washington State University/Pullman	3						1	3		
08080B	Washington State University/Tri-Cities										
08180A	Western Washington University										

Total Number of Other Attendees (persons not from ASME Student Sections)(Example, District Officials, ASME International Staff, Judges, etc)	5*
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<b>Total Attendees</b>	68
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\*Jennifer McLeod, Dennis Armstrong, Lynden Davis, Kalan Guiley, William Robbins

### Old Guard Oral Presentation Competition

Brad Kinney	Boise State University	<i>The Use of Wavelets in Analysis of Audio Signals</i>
Sean Jackson	Central Washington University	<i>Solar Car Suspension</i>
Matt McCrink	Boise State University	<i>Micro-Propulsion Devices in Low Temperature Co-Fired Ceramics</i>
Ryan Stanton-Wyman	Gonzaga University	<i>Automating Control of Carbon Fiber Presentation to a Loom</i>
Andrew Byers	St. Martin's University	<i>Bluetooth Technologies</i>
Kathryn McDonald	University of Idaho	<i>Scoping the Feasibility of Using the Passive Product Entrainment Method for Uranium Product Transport and Removal in an Electrefiner</i>

### Old Guard Technical Poster Competition

Casey Huffaker	Boise State University	<i>Acoustic Characterization of Stethoscopes</i>
Michael Hagler	Boise State University	<i>Magneto-Mechanical Properties of Ni-Mn-Ga with Different Microstructures</i>
(Mary K) Katie Worman	Montana State University	<i>Spur Gear Design Program Development</i>
Kenneth Hanson, Jr.	St. Martin's University	<i>Mechanical Engineering</i>

### Old Guard Technical Web Page Competition

Adam Gomez	University of Idaho	<i>Advanced Antenna Research</i>
Alex Olson	University of Idaho	<i>FSAE Website</i>

### Student Design Contest

David Meeker Tesfalem Zewdneh Paul Stuart Kyle Zirschky	Oregon State University	Oregon State Caster
Edwin Anderson Randall Storms James Watson	University of Idaho	Quad Rod
Craig Cordill Cory Overman Stanley Gross	Washington State University - Pullman	

### GSTC

Wayne R. Fischer	Boise State University	<i>Application of the Continuous Wavelet Transform to Acoustic Emissions Generated by Joint and Muscle Motion</i>
Dathan Froerer	Boise State University	<i>Self Calibrating Transient Inverse Heat Transfer Test</i>
Brandon Chaffin/Anthony Paris	Boise State University	<i>Impact Characteristics of a Soccer Ball with a Spherical Surface</i>
Brandon Chaffin/Anthony Paris	Boise State University	<i>Comparison of Mechanical Behavior for Stainless Steel and Titanium Rods in a Spinal-Pelvic Fixation Assembly with Lumbar Curvature</i>
V. A. Gudimetla	University of Alaska/Fairbanks	<i>A Comparison Between Analytical and Numerical Heat transfer Results for Gas Hydrate Reservoir</i>
Phillip Arpke	University of Idaho	<i>A Case Study of Drawing Standardization and Design</i>
Tina Klaisle	University of Idaho	<i>Design Process for Rollcurve Gears</i>

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## Micro-Baja Contest

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Crazy Horse	Boise State University	Robert Cox Ryan Cowgill Ian Hazel Tim Golightly
Felis Silvestris	Central Washington University	Tyler Foster
CHAMP	Montana State University	Brandon Cox Hal Maa Samuel Mather Wesley Horton
Shorty	Montana State University	Lance Johnson Chad Wagenhals Robert Baenziger
Kit	Portland State University	Kenneth Lou Alex Higgins Chantelle Hansen Erik Chamberlain
Krall	University of Idaho - Moscow	Kurt Hall Michela Moreland Matthew Herset Brennan Metcalf Randi Adams Louis Duchene Jerald Lane Doug Overholtzer Phil Arpke
Vindicator	Tacoma Community College	Hovey Moore
Propagator	Tacoma Community College	Greg Kelley

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## NOTES TO HOST

This report must be submitted for Student Sections to receive their travel allotment as well as provide information for verification of payment of travel expense reports for SSAs and other District Officials that may be eligible for some funding for attendance at the conference.

As much information as possible has been included in this report prior to sending to you.

You will need to make adjustments to

- ? Attendance lists (if persons are added or deleted)
- ? Competitor lists ... if anyone drops out or is a no show:
  - o Please adjust numbers in the overall box which shows number of schools and contestants.
  - o In the listing of contestants just do a format font and do a line through the information for that entry.

**PLEASE RETURN COMPLETED REPORT TO JUDY COBB [cobbj1@asme.org](mailto:cobbj1@asme.org)**  
**AT CLOSE OF CONFERENCE**  
**BUT NOT LATER THAN 2 WORKING DAYS OF THE CLOSE OF THE CONFERENCE.**  
(Please do not change filename.)  
**THANK YOU!**

It is recommended that you complete the information in this form at the close of registration and at the end of judging for each event. Then you will have all the information you need at your fingertips for your Awards Ceremony and it will already be complete therefore ready to submit.

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