

Innovative Design Competition

Judges

Doug Smith , AMEC	Dongmei Fang , March Consulting
Greg Wagner , AMEC	Dave Hundebly , Hundebly Consulting Ltd

Projects

<i>Student</i>	<i>Department /Program</i>	<i>Project Title</i>
Holly Annand Ambrely Faye	Agricultural and Bioresource Engineering	Improving the Efficiency of Separating Methyl Ester and Glycerin for Western Canadian Biodiesel Production
Brendan Holaday Warren Matlock David Muirhead	Chemical Engineering	The Removal of Polyethylene from Tallow Using Heat Transfer and Adsorption
Bradley Nickel Jeff Kusalik Chris O'Grady Matt Pawlus	Civil Engineering	Hoidas Lake Mine Access Design
Jonathan Ness Shea Pederson Michael Siourounis	Electrical Engineering	CDMA Vehicle Theft Recovery System
Elise Normand Kurt Kreuger Paul Bazylewski	Engineering Physics	Inside the Cube: A High-Precision Positioning System
Dave Barsi Tami Paynter Brennan Kuny	Geological Engineering	Mine Design for the Hoidas Lake Project
Todd Urness Robert Dukes Tom Harazny	Mechanical Engineering	Cranial Molding Helmet Design

2009 Engineering Innovative Design and Student Paper Presentation Competitions

Thursday March 26, 2009
Exeter Room, Marquis Hall
University of Saskatchewan

Sponsored by



**Saskatoon
Engineering
Society**



**College of
Engineering
University of
Saskatchewan**



**Office of VP Research
University of
Saskatchewan**

Innovative Design Competition (\$1000 Prize)

A competition for graduating engineering students who present the most innovative design, process, or technological development that has potential for application in industry or a contribution to society.

Paper Presentation Competition (\$1000 Prize)

A competition for graduating engineering students who give the best oral presentation of an engineering topic, such as a fourth-year design project or a class-related engineering project, in which the students are involved.

Program

Program Coordinator	Dr. Hui Wang , College of Engineering, University of Saskatchewan
Master of Ceremonies	Ms. Cathy Starkell , AMEC, SES Executive committee
4:30 – 6:00 pm	Innovative Design Competition
5:00 pm	Cash Bar
5:50 pm	Welcome
	Dr. tba , Dean's office of College of Engineering, University of Saskatchewan
	Dr. Jim Basinger , Acting Associate VP Research, University of Saskatchewan
6:00 – 7:00 pm	Buffet Dinner
	Grace: tba
7:00 – 9:20 pm	Student Paper Presentations
9:40 pm	Presentation of Awards
9:50 pm	Closing Remarks: Ms. Cathy Starkell , AMEC, SES Executive committee

Student Paper Presentation Competition

Judges

Dailey Jones , AMEC	Tara Zrymiak , March Consulting
Robert Nisbet , AMEC	tba

Projects (not in presenting order)

<i>Student</i>	<i>Department /Program</i>	<i>Project Title</i>
Brendan Christensen	Agricultural and Bioresource Engineering	The Re-Stabilization of Damaged Riparian Zones for Control of Scour
Matt Lofstorm Kim Mercier Chad McColl	Chemical Engineering	Production of Premium Fuels from Bitumen/Heavy Oil Gasification
Chris Schappert Jeffrey Kulyk Danielle Barkway Shawn Fehr	Civil Engineering	Rosthern Water Treatment Plant Reservoir Improvements
Jonathan Ness, Shea Pederson, Michael Siourounis	Electrical Engineering	CDMA Vehicle Theft Recovery System
Jason Sadowski Robyn Reist Rob Hewitt	Engineering Physics	Uranium Ore Analysis
Mark Andreas Cody Robb Jay Bradshaw	Geological Engineering	In-situ upgrading for the Recovery of Heavy Oil
Matt Martin, Zach Berglund Dan Zulkoski	Mechanical Engineering	Design of System to Remove Tramp Steel Prior to Entry into Grinding Mill