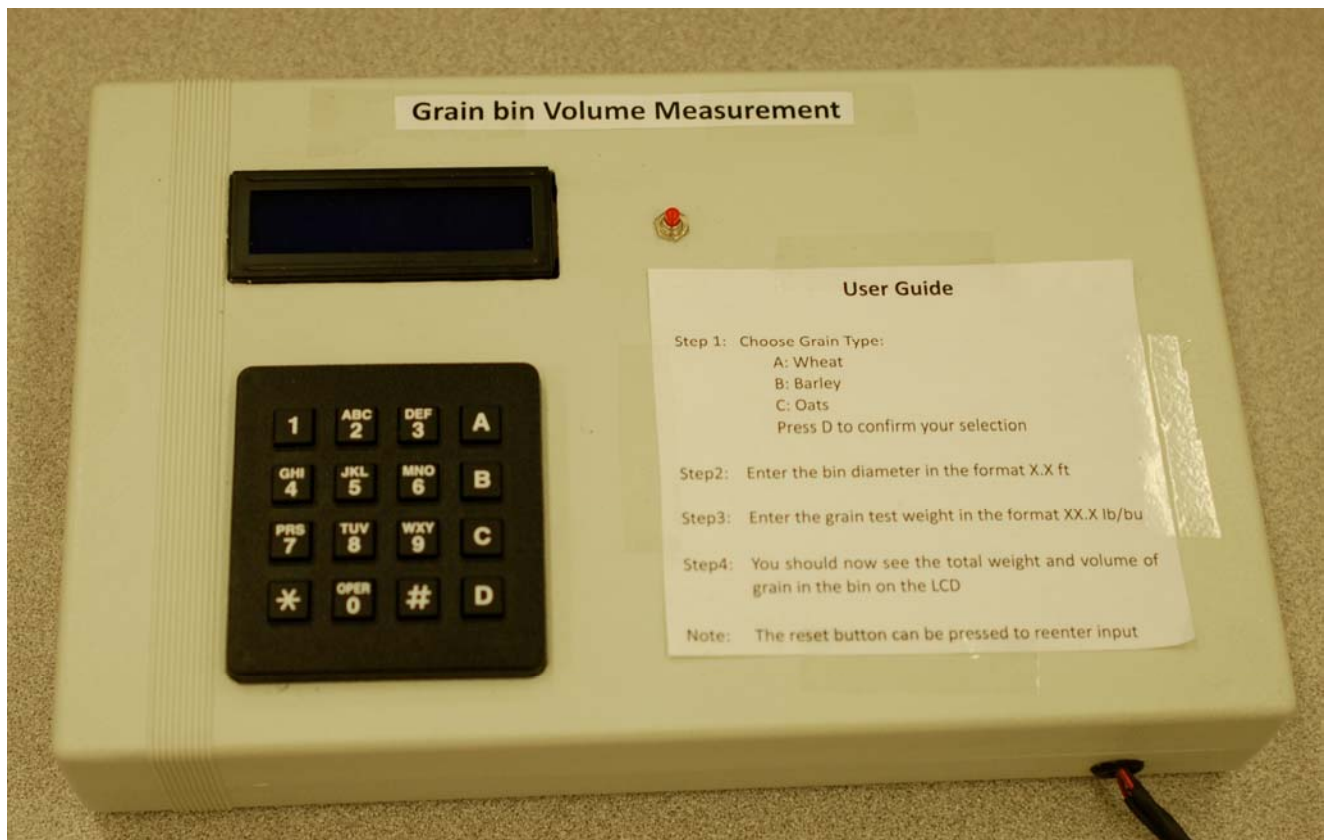


University of Regina

Faculty of Engineering and Applied Science

Project Day 2011

Saturday, April 2, 2011



Grain Bin Volume Measurement

Project Day 2010

University
of Regina

**The Faculty of Engineering and Applied Science
is proud to present**

Project Day 2011

This conference-style event includes concurrent sessions where 4th-year Engineering students present their final-year design projects, and a Trade Show where projects will be on display.

The Trade Show gives you the opportunity to speak to students directly about the projects that interest you and/or your organization. To learn more about each project, feel free to attend any presentation.

**6th Floor, Education Building
University of Regina
Regina, Saskatchewan**

**Saturday, April 2, 2011
8:30am - 4:30pm**

**Public Welcome
Free Admission
Free Parking
(Lot 14 and the “M” area of Lot 15)**

**Paitoon Tontiwachwuthikul
Dean of Engineering and Applied Science**

MORNING SCHEDULE

Time	Environmental	Electronics	Industrial	Petroleum	Software	Time
	ED623	ED621	ED616	ED619	ED612	
8:30	EVSE 1 Optimization of a Community Garden Composting System	ESE 1 RECORd: Residential Energy Consumption mOnitoring netwoRk	ISE 2 Third World Corn Thresher	PSE 8 Development and Optimization of Reservoir MJ	SSE 1 Prediction-Based Browsing for Mozilla Firefox	8:30
9:00	EVSE 6 Sewage Treatment Using Constructed Wetlands	ESE 2 3D Terrain Mapping	ISE 3 Remote-Controlled Snow Navigator	PSE 9 Determining Minimum Miscibility Pressure for a CO ₂ – Light Oil Pair	SSE 2 Blackberry Presentation Remote	9:00
9:30	EVSE 5 Chlorides in Wascana Creek Sub-Basin	ESE 3 Electronic Pill Dispenser	ISE 4 Body Mounted Paintball Feeder	PSE 10 Optimization of a Heavy Crude Oil Heater Treater	SSE 3 Stop Announcement	9:30
10:00	REFRESHMENT BREAK					10:00
10:15	EVSE 16 Biological Removal of Manganese from Drinking Water	ESE 4 Digital Sound Effects Processor	ISE 5 Fly Ash Pneumatic Cleaner	PSE 7 CO ₂ Injection in the Bakken Formation	SSE 4 UofR Life	10:15
10:45	EVSE 13 Regina VOC Monitoring Study	ESE 5 Bi-directional DC Motor Controller	ISE 6 Automated Putting Green	PSE 12 Formation Resistivity Factor/Porosity/Permeability Correlatons	SSE 5 Location Based Messaging System	10:45
11:15	EVSE 15 Gas Emissions from Small Aircraft	ESE 6 Gesture Recognition Wristband	ISE 7 Salt Block Up-ENDER	PSE 14 Production Evaluation of Shale Gas Reservoir	SSE 6 Gesture Mouse	11:15

AFTERNOON SCHEDULE

Time	Environmental	Electronics/ Environmental	Industrial/ Environmental	Petroleum	Petroleum	Time
	ED623	ED621	ED616	ED619	ED612	
13:00	EVSE 11 The Arsenic Removal Strategy	ESE 7 Home Monitoring System	ISE 9 Bio Ski	PSE 2 Drill Bit Selection using Artificial Neural Networks	PSE 1 Simulation of ES-SAGD for the Long Lake Project	13:00
13:30	EVSE 7 Modelling Flood Prevention Designs for SW Regina	ESE 8 Pet FEEDer	ISE 1 Water Mist Fire Suppression	PSE 3 3 Immiscible Displacement Processes in Heavy Oil Systems	PSE 4 Simulation of Wormhole Effect on Cold Heavy Oil Production	13:30
14:00	EVSE 3 Design of Waste Charging System For Landfill	ESE 9 Household Electronic Devices Controller	ISE 8 Portable Regulator Station	PSE 5 Cleaning System for Produced Sand in Heavy Oil Recovery	PSE 6 Near-Miscible Flooding for the Hay River Pool	14:00
14:30	REFRESHMENT BREAK					14:30
14:45	EVSE 4 Modern Roundabout Design For Balgonie, SK	EVSE 8 Groundwater Seepage Rate Test Procedure and Analysis	ISE 10 Snow Leopard TTS: Temporary Traction System	PSE 13 Economic Evaluation and Drilling Plan for SE SK Bakken Formation	PSE 11 Vapex in Heavy Oil Reservoirs and Upscaling Approaches	14:45
15:15	EVSE 14 Building Regina	EVSE 9 Ecological Greywater Recycling System	EVSE 2 Engineering Mitigation of Wildlife Accidents	PSE 15 Formation Skin Damage		15:15
15:45	EVSE 12 Generating Energy with a Microbial Fuel Cell in Wastewater Treatment	EVSE 10 Disinfection By-Products in the SK Drinking Water System				15:45