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**MECHANICAL ENGINEERING
DESIGN EXPO • APRIL 26TH
JMC GLENN MILLER BALLROOM • 1:15-2:15PM
2013**

SENIOR & GRADUATE
DESIGN STUDENTS
SHOWCASE THEIR
YEAR-LONG INDUSTRY
SPONSORED PROJECTS



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COLORADO
DESIGN • BUILD • PLAY

SPRING 2013 PROJECT SPONSORS

Anschutz Medical Campus	Pneumatic Cell Collector
Ball-Aerospace	Multiuse PEC Groundplane
Boeing	Low-Shock Release Mechanisms
Boeing	Atmospheric Observations Probe
Colorado Space Grant	CPD-CubeSat Propulsion Device
Covidien	LigaSure Infinite Rotation
Denver Health	Surgical Locking Plate Design
General Electric Company	Portable, Manually Operated, Combined Wire Insulation Stripping & Termination Crimping Tool
Hewlett Packard	Thermal Simulator Development for State of the Art CPU Thermal Control
IBM	Study of Atmospheric Corrosion Monitoring Techniques
Intel Corporation	Realization of Microscopic Grid/Pattern on IC Packaging Cross-Section
Lockheed Martin	Orion Star Tracker Cover
Los Alamos National Lab	Liter Fluid Injection System
Micro Motion, Inc.	First-Principles Liquid Density Characterization Device
MillerCoors, LLC	Project to Improve Yeast Cell Lysis to Increase Yeast Drying Performance
NREL	Test Apparatus for Determination of Rolling Element Bearing Stiffness
ONR, MURI, DOD	Measuring Model Vehicle Dynamics Resulting from Soil Blast
Oracle Corp.	Dynamically Controlled Tape Guide Tilt Mechanism
Ricoh	Laser Ink Drying System
Seagate Technology	Optimized Design of a MediaPC/Set-Top Box/Personal Video Recorder
Shell	Deadleg (Dead Ended Pipe) Temperature Predictions
Team Courage Classic	Biomechanically correct bike pedal positioning for kids with cerebral palsy
WOW	Energy for Every Day-Water Cycle Exhibit
Shell Eco-Marathon	Vehicle Optimization for Shell Eco-Marathon Car

FOR MORE INFORMATION PLEASE VISIT DESIGNCENTER.COLORADO.EDU