

2011-2012 Semi-Annual Report to the International SAMPE Board of Directors

A VERY SUCCESSFUL SAMPE 2011 LONG BEACH STUDENT RESEARCH SYMPOSIUM



2011 Award Winners

B.S. Category

1st Place: \$900

Zach Melrose

Univ of Delaware

"Damage Sensing in Adhesively-Bonded Composite/Steel Joints Using Carbon Nanotubes"

2nd Place: \$500

David Chen

Univ of Texas at Austin

"Selective Laser Sintering of Conductive Polyamide 11-MWNT Nanocomposites for Lower Percolation Threshold"

2nd Place: \$500

Sarah Friedrich

Univ of Delaware

"Influence of Calendering on Carbon Nanotube/Polymer Composite for In Situ Damage Sensing Applications"

3rd Place: \$300

Jake Plummer

Univ of Washington

"Interlaminar Shear Strength and Fracture Toughness of an IPN Adhesive and Its Components"

M.S. Category

1st Place: \$1,000

Curtis Hickmott

Univ of Washington

"Application of Cellular Core Technology for Innovative Composite Structure Development"

2nd Place: \$600

Tomas Muchenik

West Virginia Univ

"Magnetic Field Nano-Derived Microsensors"

3rd Place: \$400

Thomas Calkins

Brigham Young Univ

"Conductive Nano-Composites for Human Machine Interfaces: Applications in Hand Pose Determination"

3rd Place: \$400

Ashley Tracey

Univ of Washington

"Potential Surface Preparation Inspection Method for Composite Bonding"

Doctoral Category

1st Place: Trip to SAMPE Europe

Lessa Grunenfelder Univ of Southern Cal

“Void Formation in Composites as a Function of Moisture Content and Processing Pressure”

2nd Place: Trip to SAMPE Japan

Andrew Becnel Univ of Maryland

“Magnetorheological Fluid Composites for Crashworthiness Applications”

3rd Place: \$600

Michelle Hawkins Univ of Nevada

“Experimental and Computational Analysis of a Composite Ankle Food Orthosis”

3rd Place: \$600

Stacy Nelson Univ of Nevada

“Optimization of Cylindrical Carbon Fiber/Epoxy Tubes Loaded at High Strain Rates”

Plans for the 2012 Student Research Symposium are underway:

IMPORTANT DATES

- Application, transcript, recommendation letters, candidate’s statement, and paper abstract..... November 7, 2011
- Technical papers from semi-finalists..... December 12, 2011
- Finalists notification..... February 13, 2012
- SAMPE 2012 Baltimore Student Symposium..... May 21-24, 2012

On behalf of the students, we thank the SAMPE Board of Directors for a world-class dedication to and support of education.