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# 2010 Undergraduate Research Competition Program

Coastal Carolina University

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# The Second Annual Undergraduate Research Competition

Thursday, February 18, 2010

**What:** Each session will include an 8-10 minute presentation by an undergraduate student followed by 5-7 minutes of Q&A.

**How:** Each session will be judged based on the criteria listed on the Celebration website. Judges will be Coastal Carolina University faculty. Refer to [www.coastal.edu/inquiry/2010/competition.html](http://www.coastal.edu/inquiry/2010/competition.html) for evaluation criteria.

**Where:** All undergraduate research competition sessions will be scheduled in two small case study rooms, **Wall 319 and 322** with follow up display of related posters (where applicable and agreeable to the presenters) in **Wall 319 and 321**.

**When:** See schedule of times below. All sessions are scheduled back-to-back.

*The top three ranked presentations will be awarded \$500, \$300, and \$100. Award recognition will take place briefly before the Conference's Closing Session on Friday at 2:30pm in Wall Auditorium. All are invited.*

8:50 am- 9:10 am [WALL 318]  
*Barnes, Mark*  
The Meaning of (Second) Life and the  
New World (of War craft) Order: The Real  
Problem of Virtual Property

8:50 am- 9:10 am [WALL 322]  
*Burnette, Erin*  
Prevalence of Barnacle Parasites in the  
Mud Crabs of South Carolina Estuaries

9:10 am- 9:30 am [WALL 318]  
*Casey, Tarrah*  
The Disconnection of Technology

9:10 am- 9:30 am [WALL 322]  
*Cash, Ronald*  
Geophysical Surveying in the Marine  
Environment: A Case Study from Pulley  
Ridge

9:30 am- 9:50 am [WALL 318]  
*Chabba, Radhika*  
Flying High or Low? Effect of Taurine and  
Caffeine in the Energy Drink

9:30 am- 9:50 am [WALL 322]  
*Conway, Jessica*  
Damsel in Distress: The Ongoing Battle  
between Damselfish and Urchins

9:50 am- 10:10 am [WALL 318]  
*Engeseth, Allison*  
Starry Skies: A Policy for Reducing Light  
Pollution in Conway, SC

9:50 am- 10:10 am [WALL 322]  
*Floyd, Andrea*  
CCU Biking Initiative

10:10 am- 10:30 am [WALL 318]  
*Klotsko, Shannon*  
Geologic Interpretation of Gray's Reef  
National Marine Sanctuary

10:10 am- 10:30 am [WALL 322]  
*Howe, Matt*  
Analysis of the Horry County Shoreline  
from 2007 to Present

10:30 am- 10:50 am [WALL 318]  
*Chumley, Elecia*  
Self-pollination vs. Cross-fertilization in  
Coastal Carolina Plants

10:30 am- 10:50 am [WALL 322] (TBA)	12:10 pm- 12:30 pm [WALL 322] <i>McLeod, Stephanie</i> <b>The Effect of Road Mortality on Semi-aquatic Turtle Populations in Horry County</b>
10:50 am- 11:10 am [WALL 318] <i>Grippo, Hannah</i> <b>JM Barrie's Neverland and Anno's Africa</b>	1:30pm- 1:50 pm [WALL 322] <i>Purvis, Mary</i> <b>The Effect of Natural Weather Phenomenon on Homeowners Insurance in South Carolina Coastal Counties</b>
10:50 am- 11:10 am [WALL 322] <i>Mudron, Megan</i> <b>Identification of Individual Resident Dolphins in Bull Creek, SC</b>	1:30 pm- 1:50 pm [WALL 322] <i>Quigley, Brian</i> <b>Numeric Modeling of Mississippi and Atchafalaya Sediment Dispersal on the Texas-Louisiana Shelf</b>
11:10 am- 11:30 am [WALL 318] <i>Leach, Desiree</i> <b>Electrocatalytic activity of modified Nafion films</b>	1:50 pm- 2:10 pm [WALL 318] <i>Frimpong, Derek</i> <b>Healthcare</b>
11:10 am- 11:30 am [WALL 322] <i>Ledoux, Jonathan</i> <b>Implications of Submarine Groundwater Discharge (SGD) on Water Quality in Long Bay, SC</b>	1:50 pm- 2:10 pm [WALL 322] <i>Robertson, Brett</i> <b>Enron Vs. General Electric: Is Earnings Management Worth the Risk?</b>
11:30 am- 11:50 am [WALL 318] <i>Lloyd, Quincey</i> <b>Lexical Processing Using a Stroop Task</b>	2:10 pm- 2:30 pm [WALL 318] <i>Schoonmaker, Daniel</i> <b>Life in the Clouds: Who owns your files?</b>
11:30 am- 11:50 am [WALL 322] <i>Long, Barry</i> <b>Not for Profit Organizations and the Unrelated Business Income Tax</b>	2:10 pm- 2:30 pm [WALL 322] <i>Shirk, David</i> <b>Changing Gears: Moving Coastal Carolina University in a New Direction</b>
11:50 am- 12:10 pm [WALL 318] <i>Lutfy, Stephen</i> <b>The Confederate Flag: White Privilege &amp; Stratification</b>	2:30 pm- 2:50 pm [WALL 318] <i>Smith, Katrina</i> <b>Preferential Fish Consumption Based Omega-3 Fatty Acids and Mercury Concentrations</b>
11:50 am- 12:10 pm [WALL 322] <i>McCluskey, Christina</i> <b>Dairy Farm Silage Effects on Air Quality</b>	2:30 pm- 2:50 pm [WALL 322] <i>Stull, Amanda</i> <b>Blocking Peroxynitrites</b>
12:10 pm- 12:30 pm [WALL 318] <i>McCormick, Jerry</i> <b>Edge Detection Using Wavelet Analysis</b>	

2:50 pm- 3:10 pm [WALL 318]  
*Miller, Stephanie*  
**Geological Impacts on and Sediment Transport and Beach Erosion in Fire Island, New York**

2:50 pm- 3:10 pm [WALL 322]  
*Taylor, Amanda*  
**Predicting the Outcomes to Water Quality Variables in Estuarine Environments Due to the Passing of a Hurricane**

3:10 pm- 3:30 pm [WALL 318]  
*Tomlinson, Sherri*  
**Bacteriophage at the Beach**

3:10 pm- 3:30 pm [WALL 322]  
*Totten, Frances*  
**Distribution Analysis of Neonate Strandings along the Lower East Coast of the United States**

3:30 pm- 3:50 pm [WALL 318]  
*Vincent, Matthew*  
**Growth Rate of Mugil cephalus in the Closed Saltwater Sandpiper Pond**

3:30 pm- 3:50 pm [WALL 322]  
*Wolfrey, Scott*  
**Wind Power in North Myrtle Beach**

3:50 pm- 4:10 pm [WALL 318]  
*Zourdos, Cari*  
**Macroalgal Cover and Composition in Relation to Diadema Antillarum Distribution in Discovery Bay, Jamaica**

3:50 pm- 4:10 pm [WALL 322]  
*Miller, Stephanie*  
**CDOM Dynamics in Texas Bays during Drought Conditions**

4:10 pm- 4:30 pm [WALL 318]  
*Garza, Guadalupe*  
**The Journey to the American Dream: Treatment of Latin American Workers in Horry County, South Carolina.**

4:10 pm- 4:30 pm [WALL 322]  
*Mitchell, Dexter*  
**It's not About You!**

4:30 pm- 4:50 pm [WALL 318]  
*Mouse, Lauren*  
**Defined Benefit vs. Defined Contribution Plans: Only 45 years to retirement.**

4:30 pm- 4:50 pm [WALL 322]  
*Kramer, Lindsey*  
**Submerged Springs in Jamaica**

4:50 pm- 5:10 pm [WALL 318]  
*Patton, Briana*  
**Adoption of Strength and Conditioning Routines by CCU's Baseball Team through the Diffusion of Innovation**

4:50 pm- 5:10 pm [WALL 322]  
*Anderson, David*  
**Santee Cooper's Net Metering Policies for Renewable Energy Users**

5:10 pm- 5:30 am [WALL 318]  
*Hutchins, Patrick*  
**Mutualistic Interactions between Coral Symbiotic Algae and Coral Native Bacteria: Yet another Leg of Coral Holobiont Symbiosis**

5:10 pm- 5:30 pm [WALL 322]  
*Lougheed, Eric*  
**Is Facebook Use Health Enhancing for College Students?**

5:30 pm- 5:50 pm [WALL 318]  
*DiPerna, Danielle*  
**Identifying Accessory Proteins in Prion Diseases**

5:30 pm- 5:50 pm [WALL 322]  
*Achury, Natalia*  
**Procrastination and Self-Efficacy in Athletes and Non-Athletes**

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