

BEST STUDENT PAPER AWARDS

Agriculture, Forestry and Aquaculture Science

Best Student Paper

Lettie C. Lawrence, Department of Biology, Virginia Commonwealth University.
Structure and Material Properties of Swimbladders Mediating Ultrasound Production.

Honorable Mention

B. Prall and M. A. Cline, Department of Biology, Radford University. Stresscopin Causes Anorexigenic Effects in Chicks.

Astronomy, Mathematics and Physics & Materials Science

Best Student Paper

Olusola Oyebola, Department of Physics, Hampton University. Infrared Spectroscopy of Holmium Doped KPb_2Cl_5 for Laser Applications.

Honorable Mention

E. Brown Hanley, Department of Physics, Hampton University. Near Infrared Emission Properties of Er: YAG Ceramic, Er: KPb_2Cl_5 and Er: KPb_2Cl_5 for 1.5-1.6 μm eye-safe solid-state lasers.

Honorable Mention

Bruno Caputo, Department of Physics, Hampton University. Promotion of Metal Thin-Film Adhesion on Polymer Substrates.

Biology

Best Student Paper-Graduate

M. R. Semcheski, Department of Biological Sciences, Old Dominion University, Norfolk, VA. Phylogenetic Relationships of the Snappers (*Lutjanidae: Percoidei*) Inferred from Mitochondrial Cytochrome b Sequence Data.

Honorable Mention-Graduate

T. A. Egerton, Department of Biological Sciences, Old Dominion University, Norfolk, VA. Exploration of Phytoplankton Communities in Southeastern Virginia for Use in Biodiesel Production.

Best Student Paper-Undergraduate

Brian Prall, Department of Biology, Radford, University. Differential Appetite-Related Responses to Central Neuropeptide S in Lines of Chickens Divergently Selected for Low or High Body Weight.

Honorable Mention-Undergraduate

Ludmila Francescato, Dept. of Biology, Virginia Commonwealth University. The Role of CaMK-II Beta2 in the Cardiac Development in Zebrafish.

Best Student Poster

W. Calchary, Dept. of Biology, Radford University. Central Calcitonin Gene Related Peptide Causes Hypothalamic Associated Anorectic Responses in *Gallus gallus*.

Biomedical and General Engineering**Best Student Paper**

Patrick C. Headley, Dept. of Biomedical Engineering, Virginia Commonwealth University. Possibilities for a Pressure and Processing Approach to the Recognition of Pressure Ulcer Formation.

Honorable Mention

Justin M. Owen, Dept. of Biomedical Engineering, Virginia Commonwealth University. Designing a Quiet Vehicle Avoidance System for the Blind and Visually Impaired.

Botany**Best Student Paper**

L. E. Deliman, Dept. of Biology, James Madison University. Antioxidant Activity in Selected Domestic and Imported Wines.

Honorable Mention

K. A. Carlson-Drexler, Dept. of Biology, William & Mary. Pre- and Post-Hurricane Composition in a Hardwood Forest.

Computer Science**Best Student Paper**

Syed R. Rizvi, Dept. of Computer Science, Old Dominion University. Design and Simulation of Smart Emergency Service Vehicles using Vehicular Ad Hoc Networks.

Natural History & Biodiversity**Best Student Paper**

Nuno Prista, Centro de Oceanografia, Faculdade de Ciências da Universidade de Lisboa, Lisboa, Portugal. Using tags to sample large valuable fish.

Honorable Mention

Joseph C. Ballenger, Jones, Center for Quantitative Fisheries Ecology, Department of Ocean, Earth, and Atmospheric Sciences, Old Dominion University. Length-Weight, Age and Growth of Sheepshead (*Archosargus probatocephalus*) of Chesapeake Bay, Virginia: A Comparison to Other Areas.

Psychology**Best Student Paper**

S.A. Vunck,, Department of Psychology, Virginia Commonwealth University.
Discriminative Stimulus Properties of the glutamate agonist N-methyl D-aspartate (NMDA) in C57BL/6 mice.

Honorable Mention

Natasha L. Golden, Department of Psychology, Old Dominion University. The Cognitive and Behavioral Effects of Acute Ethanol Administration and Withdrawal.

Honorable Mention

M.R.Pearson, Department of Psychology, Old Dominion University. Time Perspective and Risky Behavior: Moderating Effects of Religiosity.

Statistics**Best Student Paper**

Corinne Wilson, Department of Mathematics and Statistics, Old Dominion University. A Comparison of Different Methods for Predicting Cancer Mortality Counts at the State Level.

Honorable Mention

Abdel-Salam G. Abdel-Salam, Virginia Polytechnic Institute and State University. Profile Monitoring Analysis Using Semiparametric Methods.