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### MIDSHIPMAN TRESANSKY WINS THE HARRY E. WARD TRIDENT SCHOLAR PRIZE AND THE ADMIRAL JOSEPH R. REDMAN AWARD

Ashley Kilgore posted on December 30, 2013 10:16 ★★★★★

Story by Lieutenant Teng K. Ooi, PhD, USNA/UCLA/VPI/UAH and Missile Defense Agency

The U.S. Naval Academy's Mechanical Engineering Department honors Midshipman First Class Andrew Christopher Tresansky, who received the Office of Naval Intelligence- Harry E. Ward Trident Scholar Prize for having the most outstanding research project in the Trident Program. Additionally, Tresansky received the Admiral Joseph R. Redman Award for his greatest achievement in the professional courses in electrical fundamentals and applications.

Tresansky graduated in the top three percent of his class with a Bachelor of Science degree in Mechanical Engineering. Among his many accomplishments, Tresansky was one of the 13 Trident Scholars, students who pursue an independent research project worth between 10 and 12 credit hours per semester. Tresansky's project titled, "Numerical Modeling of High Irradiance Electromagnetic Beam Effects on Composite and Polymer Materials," involved the development of a heat transfer model to predict the effect of high energy laser heating on monolithic polymers and carbon fiber reinforced polymer composites.

Tresansky is currently at the Naval Nuclear Power Training Command in Charleston, SC, beginning his career as a submarine officer. He will continue his academic studies at the Naval Post Graduate School on a Navy Burke Scholarship following his first operational sea tour. He will pursue a master's degree in Mechanical Engineering.

"I was very proud to receive the Harry E. Ward prize. The Trident Scholar program was one of the most formative experiences I had at the Academy, and it was a pleasure to be given both the freedom to take my project wherever I wanted and more importantly the support to achieve those goals. I will not forget the lessons I learned from working on that project as I move forward and join the fleet."

The funds for the Harry E. Ward Trident Scholar Prize were established by the late Harry E. Ward, Jr., as a tribute to his father, the late Harry E. Ward, and by the Office of Naval Intelligence.

The Admiral Joseph R. Redman Award was established by the late Marion S. Redman in memory of her husband, the late Rear Admiral Joseph Reasor Redman, USN, U.S. Naval Academy Class of 1914.

Tresansky received the award during the 2013 USNA Presentation of Prizes and Awards Ceremony on May 23, 2013 at Alumni Hall.

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Photo caption: Midshipman First Class Andrew C. Tresansky discusses his heat transfer model in the Directed Energy Research Center at USNA with Professors Peter Joyce, left, and Joshua Radice, right.

Photo courtesy of Gin Kai.