

innovator

a monthly publication of the batten college of engineering and technology

volume 2, issue 2

In the past three months alone, Batten College of Engineering and Technology

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3 Office of Naval Research (ONR)

Working in collaboration with a technical contact from the U.S. Navy, this project provides students and faculty opportunities to engage directly with Navy personnel at all levels – from junior enlisted to ONR science and technology advisors – to help solve problems identified by U.S. Navy commands in Hampton Roads. The program includes opportunities for students and faculty to visit naval installations and to board naval ships to examine real-time needs and priorities of the Navy.

Rafael Landaeta, Ph.D., associate dean for undergraduate studies, Batten College of Engineering and Technology.

Anthony W. Dean, Ph.D., associate professor and assistant dean for research, Batten College of Engineering and Technology

\$1,250,000.00

4 National Science Foundation

This project will fund groups of six to eight students seeking a second career in engineering, for a total of 60 scholarships. Focused on understanding the factors that affect the academic success of engineering students, a combination of interventions aim to improve self-efficacy beliefs and outcome expectations among second career students. Batten College of Engineering and Technology faculty will collaborate with researchers in ODU's Department of Psychology to study barriers, supports and resources that affect academic success, recruitment, retention and degree completion of engineering students.

Extending the methodology previously developed at ODU for understanding the differential experiences of groups of students as they transition along their career paths, the project will study the transition process for

second career seeking students as an educational psychology research problem, identifying the critical barriers and the key driving factors that facilitate a successful transition to a new career. When acted upon, this knowledge may lead to improvements in the success rate for second career seeking students in engineering programs at ODU and nationwide.

Oleksandr Kravchenko, Ph.D., assistant professor, Mechanical and Aerospace Engineering.

Sebastian Bawab, Ph.D., professor and chair, Mechanical and Aerospace Engineering, Gene Hou, Ph.D., professor and Dipankar Ghosh, Ph.D., assistant professor, Mechanical and Aerospace Engineering and Konstantin Cigularov, Ph.D.,

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