

## SMART Scholarships

May 29, 2018

### Osama Ennasr and Dylan Molho awarded SMART Scholarship-for-Service awards

Two Spartan Engineers have been awarded a highly selective scholarship under the Science, Mathematics, and Research for Transformation Scholarship-for-Service Program (SMART). SMART was established by the U.S. Department of Defense (DoD) to support undergraduate and graduate students pursuing technical degrees in Science, Technology, Engineering and Mathematics disciplines. The program aims to increase the number of civilian scientists and engineers working at DoD facilities.



The SMART graduate fellows are:

- Osama Ennasr, a PhD student in Department of Electrical and Computer Engineering (ECE) and
- Dylan Molho, a PhD student in the Department of Computational Mathematics, Science and Engineering (CMSE).

Ennasr has been assigned to a facility of U.S. Army Engineer Research, Development Center following the completion of his study. His dissertation work is focused on gliding robotic fish, including its design and development, adaptive sampling and collaborative control algorithms, and application to environmental mapping and fish tracking. He is a student of MSU Foundation ECE Professor Xiaobo Tan.

Molho has been assigned to the U.S. Air Force HQ (A9). His dissertation work is focused on topological data analysis,



in particular using multi-parameter persistence in machine learning frameworks for data classification and regression. His faculty advisor is CMSE Assistant Professor Elizabeth Munch.

**Related Website:** [Communications contact: Patricia Mroczek](#)

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