

## Declined Proposals – Continued

<b>National Science Foundation</b>	EFMA: Emerging Frontiers in Research and Innovation <i>Octoboteel: Swim Like an Eel, Manipulate Like an Octopus</i> PI, September 01, 2018 – August 31, 2022, \$1,999,999
<b>National Science Foundation</b>	CMMI – S&CC: Smart and Connected Communities <i>Efficacy, Adoption, and Resilience of Decentralized and Community Based Demand Response Programs</i> , co-PI, (PI: John Gardner of BSU) October 01, 2018 – September 30, 2022, \$1,949,245
<b>National Aeronautics Space Admin.</b>	80HQTR20NOA01-20ECF B1:Early Career Faculty (ECF) <i>Multi-Robot Coordination for Dynamic Manipulation and Extreme Terrain Traversal</i> , PI, October 10, 2020 – September 31, 2023, \$544,052
<b>National Inst. of Health</b>	R15: NIH Research Enhancement Award <i>Robotics inspired Knee BRACE: Biomechanical model that restrains and alleviates cartilage damage</i> , co-PI, (PI: Dario Villarreal of SMU) October 10, 2020 – September 30, 2023, \$429,682
<b>US Department of Agriculture</b>	USDA-NIFE-AFRI-006739: Agriculture and Food Research Initiative <i>Sustainable Food Safety Systems for Biofilm Mitigation in Food Processing</i> , co-PI, (PI: Jim Browning of Boise State), August 01, 2020 – July 31, 2025, \$9,997,940
<b>Office of Naval Research</b>	<i>Control of Autonomous Landing of Unmanned Aerial Vehicles</i> , co-PI, (PI: Inanc Senocak of U. of Pittsburgh) March 01, 2018 – March 01, 2021, \$700,000
<b>Office of Naval Research</b>	<i>High-Fidelity Flow Analysis and Control of Undulatory Fish Locomotion</i> , PI, January 01, 2018 – January 01, 2021, \$650,000

## CURRENT RESEARCH STUDENTS

<b>Name</b>	<b>Degree</b>	<b>Discipline</b>	<b>Role</b>	<b>Expected Graduation</b>
Chris Dagher	PHD	Computing	Advisor	Spring 2027
Farnaz Darghiasi	PHD	Biomedical	Co-Advisor	Spring 2027
Chandika Silva	MS	Mechanical Eng.	Advisor	Spring 2025
Omor Khan	MS	Mechanical Eng.	Advisor	Fall 2023
Alex Peterson	MS	Mechanical Eng.	Advisor	Fall 2024
Yafa Benavidez	UG/FT MS	Mechanical Eng.	Advisor	Spring 2025
Nina Nikitina	N/A	Computer Science	Mentor	Graduated
Oliver Macdonald	UG	Mechanical Eng.	Advisor	Spring 2024

## ALUMNI

Name	Degree	Discipline	Now
Nurbanu Bursa	Postdoc	U of I, IMCI	Postdoc at U of I, IMCI
Nardos Ashenafi	PHD	Electrical Eng.	On the job market
Wankun Sirichotiyakul	PHD	Electrical Eng.	Robotics engineer at Bastian Solutions
Wankun Sirichotiyakul	MS	Mechanical Eng.	PHD candidate at Boise State
Nardos Ashenafi	UG	Mechanical Eng.	PHD candidate at Boise State
Julianna Buzzard	UG	Mechanical Eng.	Engineer at Pitch Aeronautics
Gavin Hamilton	UG	Mechanical Eng.	Engineer at Idaho Power
Dylan Rolleigh	UG	Mechanical Eng.	Robotics engineer at Bastian Solutions
Ryan Montrose	MS	Mechanical Eng.	Research engineer at Lam Research
Maddie Cudworth	UG	Mechanical Eng.	Engineer at Boeing
Sabrina Mooers	UG	Mechanical Eng.	Unknown
Evan Daniels	UG	Mechanical Eng.	Senior
Jessica Carlson	UG	Mechanical Eng.	Graduate student
Jonathan Mott	UG	Mechanical Eng.	Unknown

## LIST OF PUBLICATIONS

*Underlined* fonts indicate a student author while **bolded** fonts indicate the corresponding author.

### Book Chapters and Magazines

1. Aykut C. Satici, Fabio Ruggiero, et. al. “*Robotic Dynamic Manipulation*“, Springer Nature Switzerland AG, 2022
2. Volkan Patoglu and Aykut Cihan Satici, “*Optimal Design of Haptic Interfaces*“, Advances in Haptics, IN-TECH, 2010. (*This book chapter has been downloaded over 5000 times from unique IP addresses.*)
3. F. Ruggiero, Aykut C. Satici, et. al. “*Perception of Deformable Objects and Nonprehensile Manipulation Control*“, ICINCO Springer, 2019
4. F. Ruggiero, **Aykut C. Satici**, et. al. “*Nonprehensile manipulation of deformable objects: Achievements and Perspectives from the RoDyMan Project*“, vol. 25, nu. 3, pp.83,92 IEEE Robotics & Automation Magazine, 2018

### Upcoming Submissions

1. **Aykut C. Satici**, Alex Peterson, John Chiasson, and Zachary Adams, “*Estimation and Control using Electric and Magnetic Fields around Transmission Lines*“, Transactions on Control System Technology, 2024 (to be submitted by the end of Fall semester).

### Submitted Manuscripts

1. **Aykut C. Satici**, Alex Peterson, John Chiasson, and Zachary Adams, “*Controlling UAVs by Sensing the Electric and Magnetic Field Around Power Lines*“, American Control Conference (ACC), June 2024 (submitted in August 2023).
2. Nardos A. Ashenafi, **Aykut C. Satici**, “*Control of Hybrid Dynamical Systems via Deep-net Mixture-of-Experts*“, International Journal of Artificial Intelligence and Robotics Research (IJAIRR), (submitted in June 2023).