



SCOPE:

Senior Capstone Program in Engineering

Sponsor a SCOPE team:
Exceptional value for our partners;
invaluable experiences for our students



About SCOPE

SCOPE is a unique industry-college collaboration, and the culminating experience of an Olin student's education. Over the course of a full academic year, seniors work in multi-disciplinary teams to provide innovative solutions to a company's real-world problem. Olin has conducted SCOPE projects for organizations around the world, including Fortune 500 corporations, government research laboratories, product development companies, small businesses and startups. If you have a challenge which, if addressed, could significantly benefit your company—and you would like to have a team of innovative, entrepreneurial engineers focus on it for an academic year—your company may be a good fit for SCOPE.



Why SCOPE?

In the SCOPE program, seniors are grouped in teams with appropriate skill sets to match the needs of each sponsor company's project. Partners benefit from:

- Innovative and unexpected solutions to real-world, real-time problems from a talented team of creative young engineers
- Student teams' access to technical expertise of faculty advisors
- Strong program structure to support the teams' work, including project management training, reporting and feedback loops, access to Olin's state-of-the-art facilities and a dedicated, professionally equipped work space
- An appropriate non-disclosure agreement to protect sensitive interests
- Sponsor retention of all intellectual property developed by team
- Preferred recruitment opportunities



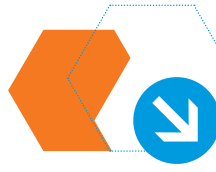
Be in Good Company: 2019-20 SCOPE Partners

- Amazon Robotics*: *Smart Sortation*
- Arthur G Russell: *Multivariable Vibratory Test Platform*
- Boeing*: *Improving the Wire Harness Manufacturing Process*
- Boston Scientific*: *Developing Next-Generation Endoscope Technology*
- CUAHSI*: Consortium of Universities for the Advancement of Hydrologic Science, Inc: *Designing an Accessible Cloud-Based Compute Platform for Hydrologic Data Analysis & Sharing*
- Ford Motor Company*: *Level 3 Autonomy From the Ground-Up*
- GE Healthcare*: *Adjustable PET/CT Scanner Accessory for Improving Patient Comfort*
- Microsoft Corporation*: *AI + Inclusion: The Future of City Navigation*
- Pfizer: *Project Timpani*
- Santos Family Foundation*/ Volpe National Transportation Systems Center*: *Standard, Fast, Accurate: Advancing Crash Data Reporting for Improved Road Safety*
- Sonos*: *Sonos Product Manufacturing Test Optimization*
- Toyota Motor North America*: *Redesigning the Personal Mobility Experience*
- Valve: *Video Game Playtesting with Physiological Data Acquisition*
- Watts Water Technologies*: *Sensor Network for Legionella Mitigation in Plumbing*





Olin College of Engineering



Previous SCOPE Sponsors Include:

➔ Natalie MacMillan

Sr. Product Manager, Marketing
Insulet

"Our student team exuded hard work and passion which was evident in the output of the Toby app project this year. The team never ceased to impress me throughout the year; Professional, articulate, poised, passionate, and thoughtful. I truly felt like they were an extension of the team and thoroughly enjoyed working on this project with them. I'm looking forward to commercializing most, if not all, of what they did!"

➔ Kurt Geitz

Vice President, R & D
Boston Scientific

"The SCOPE teams often come up with novel ideas to enable opportunities for our new products. They've actually shaped us in more ways than just a single product idea. We've picked up some of the structure that Olin teaches in the way we analyze opportunity and winnow down to the concept selection. On the test method side, we've learned some surprising things about how devices interact with the biology that we had not thought of before. They always come back with insights that surprise us. We've hired students and graduates, and they infect the teams that they work on. They bring not just the tools, but an unusual way of thinking about things. They challenge their peers, and they bring up the level of performance of everyone on the team."

➔ Tim Stallman

Software Development Manager
Amazon Robotics

"Amazon is a Think Big and think long term company. We recognize Olin as a top engineering educational institution with excellent engineering talent and value set that aligns with Amazon's core leadership principles. The partnership has already exceeded our expectations and we anticipate many more years of collaborations."

- Aerodyne* ● AGCO* ● AIR, Inc. ● Amazon Robotics* ● Analogic* ● Ariens* ● Army Research Laboratory* ● athenahealth ● Auris Health ● Aurora Flight Sciences ● Autodesk* ● Blue Origin ● Bill & Melinda Gates Foundation ● Boeing* ● Bose ● Boston Engineering* ● Boston Scientific* ● Brandeis University* ● Care.com ● Dassault Systemes SolidWorks* ● DEKA ● DePuy Mitek/Synthes* ● Draper Laboratory* ● DRS Technologies ● Facebook* ● Fidelity Labs, Inc.* ● FloDesign Wind Turbines ● Ford ● GE Healthcare* ● Harley-Davidson* ● Hewlett-Packard ● Hutchinson/Barry Controls ● IBM* ● indico ● Insulet ● Intuit ● Iron Mountain ● Ivani* ● John Deere ● Lexmark* ● Linden Lab ● Locus Robotics ● The MathWorks ● Microsoft* ● MIT/DARPA ● MIT Lincoln Labs* ● MITRE* ● Mitsubishi Electric* ● Motorola ● Nortel Networks* ● Onshape ● Orica Mining Services ● OsComp Systems ● Pearson Education ● Pratt & Whitney* ● Raytheon* ● Rockwell Automation* ● ROCONA* ● SAIC ● Scientific Systems ● Sonos* ● SpaceX ● Tata Motors ● TE Connectivity ● Toyota Motor NA ● TripAdvisor ● Watts Water Technologies* ● Vision Robotics* ● Volpe Center*

*Multiple -year sponsor



For more information about SCOPE, please contact:

- Scott Hersey
Director of SCOPE
- Ruth Levine
Director of Business Development
- Jessica McCarthy
SCOPE Program Manager

phone: 781.292.2740
e-mail: scope@olin.edu
www.scope.olin.edu

