



# SCOPE:

## Senior Capstone Program in Engineering

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



### About SCOPE

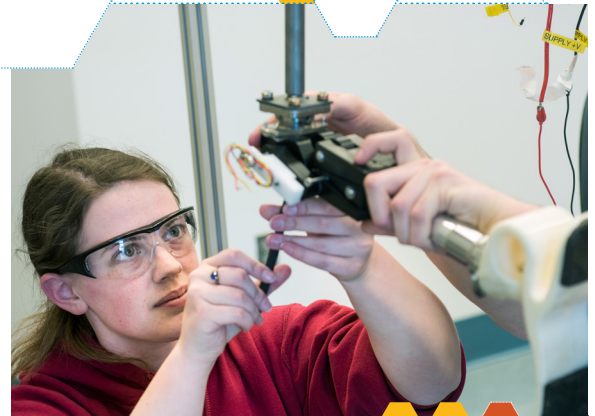
SCOPE is a unique industry-college collaboration, and the culminating experience of an Olin student's education. Over the course of a full academic year, seniors work in multi-disciplinary teams to provide innovative solutions to a company's real-world problem. Olin has conducted SCOPE projects for organizations around the country, including Fortune 500 corporations, government research laboratories, product development companies and 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 and industry 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

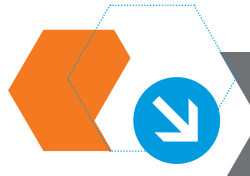


## Be in Good Company: 2016-17 SCOPE Partners

- Aerodyne/Autodesk: [Modul'air](#)
- Amazon Robotics: [Robotic Pick and Place](#)
- Auris: [Creating a Novel Biopsy Device](#)
- Blue Origin: [Robust Distributed Wireless Data Network for Blue Origin](#)
- Boston Scientific\*: [Endoscopic Mucosal Resection Device](#)
- Dassault Systemes SolidWorks\*: [SOLIDWORKS Apps for Kids](#)
- Draper: [Autonomous Tool Changer](#)
- Fidelity Labs, Inc.: [Investigating the Future of Blockchain Technologies](#)
- Insulet: [Optimizing Toby's Tale: Increasing Interaction in T1D Education](#)
- Mitsubishi Electric: [The Joy of Food in the Golden Years](#)
- Raytheon\*: [Additive Magnetic Material and Process Technology for RF Applications](#)
- Rockwell\*: [Wearable Technology in Industrial Environments](#)
- Santos Family Foundation\*: [Improving Transportation Safety Through Data-driven Technologies](#)

\*Multiple-Year Sponsor





## ➔ 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."

## ➔ Lou Poulo

Analagic Fellow  
Analagic Corporation

"Our primary goals in participating in SCOPE were to have early stage work done on a new project for which internal resources were not available, to support Olin, and have access to potential employees. I was quite pleased with how the program went. The program is very unique and a great idea, useful to the students and sponsors, and the team approach adds a dynamic I had not seen when mentoring individual students."

## ➔ Chris Marra '12

Product Manager  
Facebook

"We gave our team a challenging open-ended problem and were extremely pleased with their results. Having a close connection with the school throughout the year was important to us, and we got to work with a really smart group of students who consistently impressed us. We learned from both the breadth and depth of their work, and are excited to explore a new problem with next year's project."

## ➔ Mohammad Heidari

Technical Fellow, Propulsion System Division  
The Boeing Company

"This was our first SCOPE project. It was a fantastic experience. We would like to be involved with the SCOPE program for a long time."

## Previous SCOPE Sponsors Include:

Adsys Controls ● AGCO\* ● Analogic\*  
● Ariens\* ● Army Research Laboratory\*  
● athenahealth ● Aurora Flight Sciences  
● Autodesk\* ● Boeing\* ● Bose ● Boston  
Engineering\* ● Boston Scientific\* ●  
Brandeis University\* ● Care.com ● Dawn  
Solar Systems ● Dassault Systemes  
SolidWorks\* ● DEKA ● DePuy Mitek/  
Synthes\* ● Draper Laboratory\* ● DRS  
Technologies ● Facebook\* ● FloDesign  
Wind Turbines ● Harley-Davidson\* ●  
Hewlett-Packard ● Hutchinson/Barry  
Controls ● IBM\* ● indico ● Intuit ● Ivanti\*  
● John Deere ● Lexmark\* ● Linden Lab  
● Locus Robotics ● The MathWorks ●  
Microsoft ● MIT/DARPA ● MIT Lincoln  
Labs\* ● MITRE\* ● Motorola ● Nortel  
Networks\* ● Onshape ● Orica Mining  
Services ● OsComp Systems ● Parietal  
Systems\* ● Pearson Education ● PepsiCo  
● Pratt & Whitney\* ● Premium Power  
● Raytheon\* ● Rockwell Automation\*  
● ROCONA\* ● SAIC ● Schlumberger\*  
● Scientific Systems ● SpaceX ● Team Grill  
● TripAdvisor ● Vision Robotics\*  
● What Matters Most

\* Multiple -year sponsor



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