

PROVEN ROBOTICS



Purdue University
West Lafayette, Indiana, USA

2016 Finish: 13th Place
Estimated Travel: 2,100 Miles
Year Competing: Eighth Year
Members: College Freshman - Senior
ROV CEPHALOPOD



Total Mass in Air: 15.5 kg
Overall Dimensions: 52 cm x 50 cm x 36 cm
Primary Material: Aluminum 7075 T-6, Aluminum 6061 T-6, Polylactic acid (PLA), Polycarbonate
Total Cost of ROV: \$12,354
Total ROV Design Person-Hours: 7000 Hours
Safety Features: Master Fuse, Individually Resettable Thruster Fuses, Thruster Shrouds, Software Diagnostic Tool, Manual Disengagement, Rounded Edges, Pressure Release Valve
Special Features: Custom Printed Circuit Boards (PCBs), Waterjet-created frame, "Quad Pincer" Manipulator, and full 6-degree of freedom control

Name, Position (New Members Denoted by *)

Kyle Rakos	Chief Executive Officer	Tyler Stagge*	Pilot/Mechanical Department	Daniel Schillizzi	Mechanical/Electrical Department
Sanay Shah	Chief Operating Officer	Alex Gebhardt	Mechanical Department	Jessica Chin*	Electrical Department
Luke McBee	Electrical Department Lead	Amandeep Singh	Mechanical Department	John Bramkamp*	Electrical Department
Joshua Berg	Mechanical Department Co-Lead	Bayley Clausen	Mechanical Department	Nicholas Loffredo	Electrical Department
Alex Ruffino	Mechanical Department Co-Lead	Ben Hutchins*	Mechanical Department	Reshef Elisha*	Electrical Department
Matt Molo	Software Department Co-Lead	Enle Choo*	Mechanical Department	Romita Biswas*	Electrical Department
Ben Maxfield	Software Department Co-Lead	Jacob Cottrell*	Mechanical Department	Sreyas Mirthipati*	Electrical Department
Brandon Stewart	Basestation Head	Jonathan Kline*	Mechanical Department	Xi Wu*	Electrical Department
Charles Li	Cameras & Sensors Co-Head	Katherine Mao*	Mechanical Department	Andrew Bostock*	Software Department
Jason King	Cameras & Sensors Co-Head	Logan Walters*	Mechanical Department	Ian Sibley*	Software Department
Ryan McBee	Logic Boards Head	Monica Mah*	Mechanical Department	Joey Danial*	Software Department
Rodolfo Leiva	Power Co-Head	Reed Trende*	Mechanical Department	Keith Aylwin*	Software Department
Carolyn Lewelling	Power Co-Head/Sponsorship Head	Rohit Srivastava	Mechanical Department	Kendal Norman*	Software Department
Teal Dowd	Structures & Connectors Co-Head	Seth Emond*	Mechanical Department	Sam Jenkins*	Software Department
Samuel Deghuee	Structures & Connectors Co-Head	Alan Han	Electrical Department	Samuale Yigrem*	Software Department
Joe Pejril	Tools & Actuation Head	David Bustamante*	Electrical Department	Zidaan Dutta*	Software Department
Henry Shi	Technical Writer	James Scholl*	Electrical Department	Mentor	None