

# Cornell University Autonomous Underwater Vehicle



Erin Fischell Team Leader



Cornell University Autonomous Underwater Vehicle

### **CUAUV**















### Applications for AUVs

Oceanographic Research

Military

Homeland Security

Offshore Industry



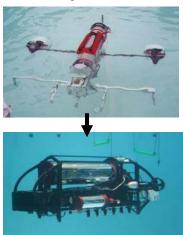


### **CU AUV**

Cornell University
Autonomous Underwater Vehicle

### **CUAUV History**

- Founded in 1999
- BRAIN: Big Red Autonomous Intelligent Navigator
- 8 Vehicles, #9 in progress
- 10 Competitions
- 2 Competition Wins: 2003 and 2009
- 8 Static Design Wins





### **CUAUV** Culture

- Recruiting
- Design focus
- Project Ownership
- One year design cycle



# **CUO**AUV

Cornell University Autonomous Underwater Vehicle

### **Team Composition**

- 43 Students
- 3 colleges
- 16 different majors
- 10 engineering majors
- Equally distributed by year





### Design Cycle

- Less than one year: August-May
- Requirements set early
- Three levels of design reviews



## CUMAUV

Cornell University
Autonomous Underwater Vehicle

### AUVSI/ONR AUV competition









