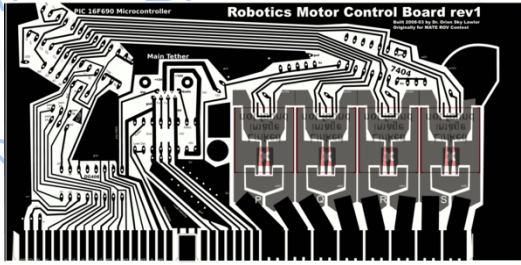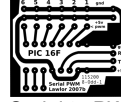# CYBER-Alaska Robotics Projects
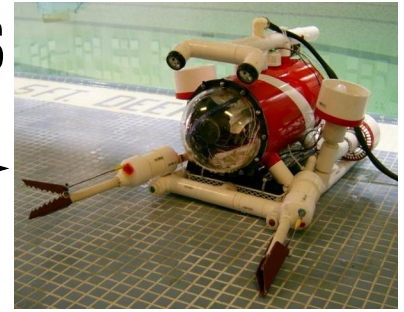
UAF Computer Science and Engineering students are involved in a variety of robotics projects...
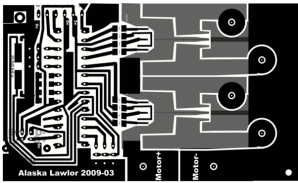

Robotics Motor Control Board rev1

4-channel serial to motor controller, and video mux
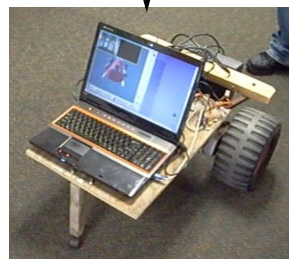Custom Circuit Board (2008, Dr. Lawlor)

Serial to PWM driver
Garage-built
Printed crcuit board
(2007, Dr. Lawlor)

2007 UAF underwater robot
PIC 16F675 microcontrollers
Victor Motor Drivers
Competed at MATE ROV finals
in St. Johns, Newfoundland

"Trashbot" video
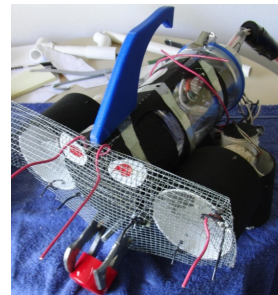analysis demo (2008)

2008 UAF underwater robots
PIC 16F882 microcontroller
ST Micro VNH3SP30 H-Bridges
Competed at MATE ROV finals
in San Diego, California
"Inspiration for Future Engineers" Award

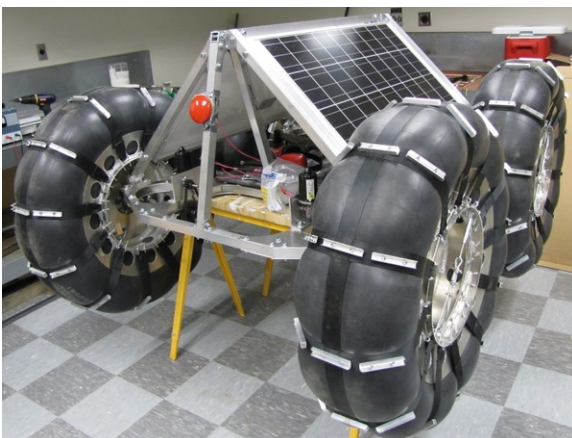2-channel USB motor controller
(2009, Dr. Lawlor)

Tracked LIDAR platform
(2009)

"SmartWheels"
video tracker (2009)

2010 UAF underwater robots
EP2R-B3G1 "H" Relays
Competed at MATE ROV finals: Hilo, Hawaii
"Mentor Underwater Demonstration" Award
"Biggest Bang for the Buck" Award

"Sun Dog" Solar RADAR platform (2010)
Collaboration: UAF and NASA Goddard
See http://www.greenlandrobot.net/

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