

Curriculum Vitae

Contact Information

Casey Machado
Engineer I
Deep Submergence Laboratory
Woods Hole Oceanographic Inst.
Woods Hole, MA 02543

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Education

BS Mechanical Engineering, University of New Hampshire, Durham, NH
Date Granted: December 2006

Professional Experience

Engineer I: Deep Submergence Lab,
Woods Hole Oceanographic Institution, Woods Hole, MA
January 2007-Present

Responsibilities: Mechanical Design of systems using CAD software to produce models and mechanical drawings. Oversee fabrication and documentation process for designed systems. Participate in ROV operations for ROV:Jason including operations/maintenance and troubleshooting systems while at sea.

Lab Assistant II, Woods Hole Oceanographic Institution, Woods Hole, MA
June 2004-December 2006

Responsibilities: Mechanical design of components for various subsystems of the Hybrid Remotely Operated Vehicle project. Use of CAD software to create models and drawings to assist engineers.

Research Interests

My research interests include: Mechanical design of Remotely Operated Vehicles, Integration of pressure housing and electronics chassis designs, overall vehicle layout and structural design. ROV operations.

Cruises

9/9/07-10/7/07 – R/V Kilo Moana: Jason Ops. Honolulu to Honolulu, Garcia
Cruise ID: (KM0718)

10/9/07-10/27/07 – R/V Kilo Moana: Jason Ops. Honolulu to Honolulu, Moyer
Cruise ID: (KM0719)

11/12/07-11/29/07 – R/V Kilo Moana: HROV Nereus Engineering Test Cruise,
Honolulu to Honolulu, A. Bowen

Publications:

2007 **C. Machado.** Design Considerations for the 11 km Hybrid Remotely Operated Vehicle (HROV) Woods Hole Oceanographic Institution's Newest Vehicle. Paper and Presentation for SNAME Student Paper Night 2/8/2007.

