David Aragon
Rutgers University IMCS - RUCOOL
Marine Technician
Ph: 848-932-3294
dkaragon@marine.rutgers.edu

Current Research

Primary focus last 4 years has been on the Slocum gliders in piloting and prepping for deployments remote and local. Troubleshooting and repair in the lab as well as primary pilot for deployments routine to extreme. I also worked with Coastal radar's (CODAR) for several years to assist in the monitoring of ocean currents. There I participated in experimental antenna and ship tracking ventures with the radars.

Current projects include LTER (Antarctic long term study), NJDEP (coastal deployments of shallow glider for monitoring dissolved oxygen, Challenger mission (long term and distance oceanic deployments), MARCOOS (regional deployments supporting network of observations and modeling).

Education

- Rutgers University School of Engineering, BS: Electrical Computer Engineering w/ Honors
    - **Notable Coursework:** Robotics and computer vision; Analog and Digital electronics; Pulse and Power circuits; Computer Graphics
    - **Skills Developed:** MATLAB; C++; OPENGL; ORCAD; PSPICE; Linux; Electronics troubleshooting

Employment

2006-Present: Rutgers University IMCS - RUCOOL (Rutgers Coastal Ocean Observation Laboratory)

Primary engineer and pilot for Slocum AUV's (gliders)
Principal engineer for ru27 (first trans-oceanic robotic crossing)
Repair, monitoring, piloting, and diagnosis/troubleshooting of gliders and deployments
Support and train students and collaborators/visitors

2004-2005: Roman Jewelers

Operated 3D wax modeling machine for turning CAM objects into wax models