EM496 Midshipman Independent Research Projects  
Spring AY2011

"Analysis of in-situ turbulence data for application to tidal energy conversion in the coastal ocean"
2/c Christopher J. Duffy  
Asst. Prof. L. Luznik

"Bioloid robot integration with military research"
2/c Spencer Ewing  
Prof. A, Moran

"Design of a rotating cylinder wind tunnel model"
2/c Ryan Hess  
Asst. Prof. J. Radice  
Asst. Prof. C. Brownell

"Development of closed-loop force control and data acquisition capability for aspectrum fatigue testing of dental implants"
2/c Jonathan Monti  
Assoc. Prof. S. Graham  
Asst. Prof. J. Schubbe

"Laser detection system embedded composites"
2/c Allen Cowherd  
Assoc. Prof. P. Joyce  
Assoc. Prof. B. Jenkins

"Internal cavity flow analysis"
1/c Rishi Shah  
CAPT M. Snyder, USN

"New techniques to measure intake and exhaust system pressure waves"
1/c B. Henning  
Assoc. Prof. J. Cowart  
Prof. R. Link

"The response of the MNCP5 model for the DT-702 thermoluminescent dosimeter to x-ray and cesium sources"
2/c Carl Steffer  
Prof. M. Nelson

"YP Craft flow simulation"
1/c F. Roberson  
CAPT M. Snyder, USN
"Ignition delay of toluene-hexadecane diesel fuel blends: an experimental and modeling study"
1/c Aaron Carr
Assoc. Prof. J. Cowart
Assoc. Prof. P. Caton
CAPT L. Hamilton, USN

"Corrosion cracking of 7075 and 7085 aluminum alloys"
1/c E. Arnold
Assoc. Prof. J. Schubbe

"Neutron detection from nuclear material using a USV platform in a littoral environment"
1/c K. Yanez
Prof. M. Nelson
Prof. M. Harper

CFD Modeling of Stores Separation from an F-18C
1/c M. Shea
CAPT M. Snyder, USN

"Effects of laser damage on polymer composites"
1/c Christopher Medford
CDR J. Watkins, USN
Assoc. Prof. P. Joyce