

Institution: U.S. Naval Academy  
Program: Systems Engineering

1. Name: Owen G. Thorp III

2. Education:

BS	Mathematics	U.S. Naval Academy	1977
MS	Mechanical Engineering	Catholic University	1988
PhD	Mechanical Engineering	Catholic University	2001

3. Academic Experience:

2001-Pres. Assistant Professor, Weapons and Systems Engineering Department,  
U.S. Naval Academy  
1997-2005 Deputy Division Director, Engineering and Weapons Division  
U.S. Naval Academy,  
1997-2001 Instructor, Mechanical Engineering and Systems Engineering,  
U.S. Naval Academy  
1982-1984 Division Director and Instructor, Naval Nuclear Power School,  
Orlando, FL

4. Non Academic Experience:

2005-2007 Executive Assistant to Superintendent,  
U.S. Naval Academy  
1996-1997 Assistant Program Manager for Towed Systems, Submarine  
Combat Systems Program (PMS-425), Arlington, VA  
1989-1997 Branch Head, Hull, Mechanical and Electrical Division,  
Seawolf Program Office, (PMS-350), Arlington, VA  
1984-1989 Deputy Program Manager, Senior Systems Engineering,  
Westinghouse Electric Corporation, Annapolis, MD  
1979-1982 Department Head and Division Officer, USS Baton Rouge  
(SSN-689), Norfolk, VA

5. Certifications or Professional Registrations: None

6. Current Membership in Professional Organizations: None

7. Honors and Awards:

Nominated for 2008 Clements Award for Excellence in Teaching  
Received Meritorious Service Medal for service as Deputy Division Director of Engineering  
Received Legion of Merit for service as Executive Asst to the Superintendent, US Naval Academy

8. Service Activities:

- Executive Secretary, Academic Dean Search Committee
- Co vice chair of Middle States Accreditation steering committee
- Liaison to Middle States Group 7, which is investigating Course Offerings, General Education, and Educational Assessment
- Course Coordinator for ES403 since August, 2008.
- Course Coordinator for ES308 since January, 2009.
- Military advisor for 2 1/C research projects
- Faculty advisor, Varsity Lacrosse Team
- Honor mediator
- Facilitator, 1/C Character Development Seminar Truth and Loyalty Module (Last Call)
- Faculty advisor for 13 midshipmen majoring in Systems Engineering

- Advisory Board for Mechanical Engineering Dept, Catholic University

9. Principal publications of last five years:

Peer Reviewed Journal Articles:

Thorp, O., Piper, G., Cortesi, R. "A Systems Approach to Planar Seakeeping Analysis", Submitted to: *Marine Systems and Ocean Technology*. Awaiting notification of acceptance for publication.

Pedagogical Articles:

Thorp, O., Watkins, J., O'Brien, R., "Design and Implementation of Compensators in a Laboratory Environment for Engineering Students." *Computers in Engineering Education Journal*, 3<sup>rd</sup> issue of 2006 (July – September, 2006).

Conference Proceedings:

O'Brien, Jr., R.T., Watkins, R.J., Thorp, O.G., "Experimental Verification of Feedback Control for Optical Beam Stabilization", 2011 American Control Conference, Montreal, QC, Canada, submitted for publication.

O'Brien, Jr., R.T., Watkins, R.J., Thorp, O.G., "Cross Coupling Estimation for Optical Beam Stabilization", 2011 American Control Conference, Montreal, QC, Canada, submitted for publication.

O'Brien, R., and Thorp, O., "Parameter Estimation for a Standard Surface Water Vehicle Model". 2010 American Control Conference, Baltimore, MD, June 30 – July 2, 2010.

Conference Presentations:

Justh, E. and Thorp, O., "Simple Models of Small Planing Boats for Coordinated Control", ONR NSSV Modeling and Simulations Workshop, October 28, 2009.

Technical Reports:

Thorp, O, Piper, G., Cortesi, R. "Heave and Pitch Dynamics of Shallow Draft Surface Vehicles", NRL Memorandum Report "NRL/MR/5775—12-9382. Awaiting notification of acceptance.

Textbooks:

Chapter on "Control Systems" for "Principles of Naval Weapons Systems"

10. Professional development activities in the last five years:

- Attended ONR USSV Modeling and Simulation Workshop, October 2009, Arlington, VA