

Institution: U. S. Naval Academy

Date: 28 February 2012

Program: Systems Engineering

1. Name: Richard T. O'Brien, Jr.

2. Degrees:

BS	Engineering	Brown University	1991
MS	Electrical and Computer Engineering	Johns Hopkins University	1994
PhD	Electrical and Computer Engineering	Johns Hopkins University	1998

3. Academic experience:

U.S. Naval Academy

Initial appointment: Assistant Professor

Promotion:

1997

Associate Professor

Promotion:

Professor

2008

4. Non-academic experience: N/A

5. Certifications or professional registrations: none

6. Current membership in professional organizations: IEEE, ASME

7. Honors and Awards:

Tuition Fellowship, The Johns Hopkins University, 1992-97.

8. Institutional and professional service in the last five years:

Co-Chair, Yard-Wide Promotion and Tenure Committee (2011-present)

Local Arrangements Chair on 2010 American Control Conference Organizing Committee (2008-2010)

Exhibits Chair on 2009 American Control Conference Organizing Committee (2007-2009)

Faculty Senate Executive Committee: Member (2007-2010), Vice President (2008-2009)

Faculty Senate Assessment Committee: Member (2001-2011), Chair (2007-2011)

Departmental ABET committee: Member (2001-present), Chair (2004-2009)

Member, Departmental Outreach Committee to recruit new students (2000-present)

9. Principal publications of the last five years:

O'Brien Jr., R. T and Kiriakidis, K., "Finite-Horizon, Discrete-Time Variable Tolerance  $H_\infty$  Filtering", Proceedings Of American Control Conference, July 2007.

Kiriakidis, K., and O'Brien Jr., R. T., "Estimation of Plasma Insulin Using Nonlinear Filtering", Proceedings of ASME International Mechanical Engineering Conference and Exposition, November 2007.

O'Brien Jr., R. T and Howe III, J., "Optimal PID Controller Design Using Standard Optimal Control Techniques", Proceedings Of American Control Conference, June 2008.

O'Brien Jr., R. T and Thorp, O. G., "Parameter Estimation For A Standard Surface Water Vehicle Model", Proceedings Of American Control Conference, June 2010.

O'Brien Jr., R. T and Watkins, R. J., " $H_\infty$  Jitter Control for a Platform-Mounted Laser", Proceedings Of International Federation of Automatic Control (IFAC) World Congress, September 2011.

O'Brien Jr., R. T and Watkins, R. J., "Adaptive  $H_\infty$  Vibration Control", Proceedings Of ASME Dynamic Systems and Control Conference, November 2011.

10. Professional development activities in the last five years:

Attend American Control Conference, Conference on Decision and Control, and other IEEE conferences annually