

David Miklosovic

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Education

Degree	Discipline	Institution	Year
Ph.D.	Aeronautical and Astronautical Engineering	The Ohio State University, Columbus, Ohio	1999
M.S.	Aeronautical and Astronautical Engineering	The Ohio State University, Columbus, Ohio	1992
B.S.	Aeronautical and Astronautical Engineering	The Ohio State University, Columbus, Ohio	1989

Academic Experience

Institution	Rank	Title	Dates	Full or Part Time
U.S. Naval Academy	Associate Professor		2008 - present	Full
U.S. Naval Academy	Assistant Professor		2001–2008	Full
U.S. Naval Academy	Assistant Research Professor	Post-doctoral researcher	2001	Full
The Ohio State University	Postdoctoral Research Associate		1999–2000	Part

Non-Academic Experience

- Marks, O'Neill, Reilly, O'Brien, and Courtney, P.C., Philadelphia
1999 Litigation Technical Consultant
- Battelle Memorial Institute, Columbus, Ohio
1993–1995 Research Scientist
- The Boeing Company, Seattle, Washington
1989–1990 Engineering Intern, Aerodynamics Research Department
- NASA Glenn Research Center at Lewis Field, Cleveland, Ohio
1985–1988 R&D Intern, Turbomachinery Technology Branch

Current Membership in Professional Organizations

- American Institute of Aeronautics and Astronautics, Senior member

Honors and Awards

- 2011 Invited paper to the 29th AIAA Applied Aerodynamics Conference.
- 2009 Advised the most outstanding undergraduate technical paper at the American Institute of Aeronautics and Astronautics Region V Student Conference.
- 2006 Nominated by my department for the civilian Apgar Award for Excellence in Teaching.

Service Activities

- USNA
 - Finance Committee, Faculty Senate (2011 – present)
 - Faculty Senate (2010 – present)
 - Faculty Advisor to the AIAA Student Chapter (2007 – present)
 - Summer Seminar Outreach (2002 – present)
 - Faculty Technical Director, Fluids Laboratory (2008 – 2010)
 - Chairman, Wind Tunnel Facility Development Committee (2004 – 2008)
 - Chairman, Thermodynamics-Gas Dynamics-Propulsion Curriculum Review Committee (2006)
- External
 - Paper reviewer, AIAA, Applied Aerodynamics (2005 – present)
 - Paper reviewer, ASME, Fluids Engineering (2010 – present)
 - Paper reviewer, Physics of Fluids (2011 – present)

Selected Publications and Presentations (Last Five Years)

- Buonaccorso, Joseph A., Schyler J. Widman, and David S. MIKLOSOVIC. 2011. Pressure Field Mapping of a Modified YP Craft Flight Deck. Presented at the 11th AIAA ATIO Conference, AIAA Centennial of Naval Aviation Forum, Virginia Beach, VA, Sept. 20-22.
- Snyder, M., H. Kang, C. Brownell, L. Luznik, D. MIKLOSOVIC, J. Burks, and C. Wilkinson. 2011. USNA Ship Air Wake Program Overview (Invited). AIAA paper no. AAIA-2011-3153, presented at the 29th AIAA Applied Aerodynamics Conference, Honolulu, HI, June 27-30.
- MIKLOSOVIC, D., H. Kang, and M. Snyder. 2011. Ship Air Wake Wind Tunnel Test Results (Invited). AIAA paper no. AAIA-2011-3155, presented at the 29th AIAA Applied Aerodynamics Conference, Honolulu, HI, June 27-30.
- MIKLOSOVIC, D. 2011. Renovation of the USNA Closed-Circuit Wind Tunnel. Presented at the 47th Conference of the Subsonic Aerodynamic Testing Association, San Jose, CA, June 12-16, 2011.
- Snyder, M., J. Shishkoff, F. Roberson, M. McDonald, C. Brownell, L. Luznik, D. MIKLOSOVIC, J. Burks, H. Kang, and C. Wilkinson. 2010. Comparison of Experimental and Computational Ship Air Wakes for YP Class Patrol Craft. Presented at the American Society of Naval Engineers, Launch and Recovery Symposium 2010, Arlington, VA, December 8-9, 2010.
- Cherry, Bradley E. and Matthew M. Constantino (advised by D. S. MIKLOSOVIC). 2009. The Burble Effect: Superstructure Effects on Carrier Air Wake. Presented at the American Institute of Aeronautics and Astronautics Region V Student Conference, Minneapolis, MN, 22–24 April. Won best undergraduate paper of the conference.
- MIKLOSOVIC, D. S. 2008. Analytic and experimental investigation of dihedral configurations of three-winglet planforms. *Journal of Fluids Engineering* 130: 071103.
- MIKLOSOVIC, D. S., M. M. Murray, and L. E. Howle. 2007. Experimental evaluation of sinusoidal leading edges. *Journal of Aircraft* 44 (4): 1404–1408.
- Dulude, Alex G., Eric N. Hallberg, David S. MIKLOSOVIC, and Joyce Shade. 2007. A quantitative investigation of starting jet vortex ring entrainment at low Reynolds number. Presented at the 21st National Conference on Undergraduate Research, San Rafael, California, 12-14 April. National Conference on Undergraduate Research.