

# Tae W. Lim

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## Education

Degree	Discipline	Institution	Year
Ph.D.	Mechanical & Aerospace Engineering	University of Virginia, Charlottesville, VA	1989
M.S.	Mechanical & Aerospace Engineering	University of Virginia, Charlottesville, VA	1986
B.S.	Mechanical Engineering	Yonsei University, Seoul, South Korea	1982

## Academic Experience

Institution	Rank	Title	Dates	Full or Part Time
U.S. Naval Academy	Associate Professor		2011- present	Full
University of Kansas	Assistant, Associate (Tenured) Professor		1992-1999	Full

## Non-Academic Experience

- Aerospace Engineer, US Naval Research Laboratory, Washington, DC. Performed spacecraft and payload design, integration, testing, and mission operations and related research and development. 1999-2011, full-time.
- Principal Engineer, Lockheed Engineering and Sciences Company, Hampton, VA (at NASA Langley Research Center), Conducted research in structural dynamics and control of large flexible space structures. 1989-1992, full-time.

## Certifications and Professional Registrations

- Contracting Officer's Representative Certification

## Current Membership in Professional Organizations

- Senior member, AIAA
- Member, Sigma Gamma Tau

## Honors and Awards

- NRL Alan Berman Research Publication Award, 1997, 2000.
- The Boeing-Welliver Summer Faculty Fellowship, 1998.
- DARPA/NRL Certificate of Recognition, MiTEX Upper Stage Program, 2006.

## Service Activities

- USNA
  - Aerospace Engineering Research and Capstone Committee (2012 – present)
  - Aerospace Engineering Faculty Search Committee (2011 – present)
  - Sigma Gamma Tau faculty representative (2012 – present)
- External

- Session chair, AIAA Guidance Navigation and Control Conference, 1997, 2005
- Reviewer of several peer review journals including Journal of Astronautical Sciences, AIAA Journal, Journal of Guidance, Dynamics and Control, Journal of Vibration and Acoustics.

#### **Selected Publications and Presentations (Last Five Years)**

- Lim, T. W. and Tasker, F. A., "Analysis and Comparison of Rate Estimation Algorithms Using Coarse Sun Sensors and a Three Axis Magnetometer," 22<sup>nd</sup> AAS/AIAA Space Flight Mechanics Meeting, Charleston, SC, January 29-Feb. 2, 2012.
- Lim, T. W., Tasker, F. A. and Delahunt, P. G., "The Joint Milli-Arcsecond Pathfinder Survey (JMAPS) Instrument Fine Attitude Determination Approach," 33<sup>rd</sup> Annual AAS Guidance and Control Conference, Breckenridge, CO, Feb. 2010.
- Sandoo, G. P., Lim, T. W., Delahunt, P. G., Raynor, W. C., Johnson, M., Hurley, M., Dellinger, W. F., and Stadter, P. A., "ADCS Implementation of Operationally Responsive Space Bus Standards for a HEO Communication Mission," 7th International ESA Conference on Guidance, Navigation & Control Systems, Ireland, June 2008.

#### **Recent Professional Development Activities**

- Short Course Attended: "Optical Design Using Zemax," Orlando, FL, March 2012.