

### Professor Alfred Gessow

was a pioneer in the helicopter field and authored the famous classic, *Aerodynamics of the Helicopter*. He started his career as an engineer at NACA Langley in 1944, then moved to NASA Headquarters

in 1959, where he served successively as Chief of the Fluid Physics Branch, Assistant Director of the Research Division, and ultimately Director of the Office of Aerodynamics, before joining the faculty of the University of Maryland in 1980 as the Chair of the Department of Aerospace Engineering.

At Maryland, he founded the *Center for Rotorcraft Education and Research* in 1982, which was renamed as the *Alfred Gessow Rotorcraft Center* in 1997. Under his direction, the Department of Aerospace Engineering greatly increased its research activities and developed an international reputation for rotorcraft education and research.

He became Professor Emeritus in 1992, was the founding editor of the Journal of the American Helicopter Society and received the NASA Exceptional Service Medal in 1977. In addition to being a Fellow in both AHS (1978) and AIAA (1986), Professor Gessow received the Nikolsky Honorary Lectureship in 1985, as well as the Alexander Klemin Award in 1996.

## AGENDA

9:00 - 10:30

Overview of Rotorcraft & MAV Activities of Alfred Gessow Rotorcraft Center

10:30 - 11:30

Tour of Experimental Facilities

11:30 - 12:00

Reception (Posters by Students)

12:00 - 1:30

Lunch, Lecture and Q&A

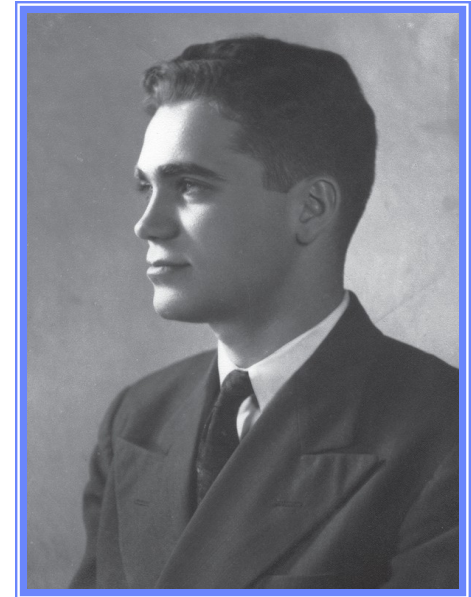


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## The Alfred Gessow Memorial Lecture



*Providing Soldiers the Technology Edge*

Speaker:  
Dr. Thomas Killion

Wednesday, April 21, 2010  
12:00 to 1:30 p.m.  
Samuel Riggs Alumni Center



**RSVP by:**

Friday, April 16, 2010 to:  
Ms. Rebecca Sarni  
Exec. Administrative Assistant  
rsarni@umd.edu  
301.405.1135

**For Information about this event:**

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**Directions to the Riggs Alumni Center:**

Please visit:  
<http://www.riggs.umd.edu/map.html>

Or Call:  
301.405.9756

**SPEAKER:**

Initially selected for the Senior Executive Service in January 2002, Dr. Thomas H. Killion was designated as the Deputy Assistant Secretary for Research and Technology/Chief Scientist in March 2004. Dr. Killion is responsible for the entirety of the Army's Research and Technology program, spanning 21 Laboratories and Research, Development and Engineering Centers, with more than 10,000 scientists and engineers and a six-year budget of approximately \$11 billion. He is responsible for developing a Science and Technology strategy responsive to Army needs from the near-term (within the next five years) stretching out through the far-term (twenty years into the future).

The Basic Research, Applied Research, and Advanced Technology Development programs and budgets that Dr. Killion builds for this strategy must be defended within the Army, to the Department of Defense, and to Congress. He is also the principal scientific advisor to both the Secretary of the Army and the Assistant Secretary of the Army for Acquisition, Logistics and Technology. As an example of the latter role, Dr. Killion is responsible for providing independent assessments on the readiness of critical technologies for weapon systems programs approaching key program decision points, both to the Army leadership and to Department of Defense decision makers.



From November 2002 to March 2004, Dr. Killion served as the Director for Technology under the Deputy Assistant Secretary of the Army for Research and Technology. In this position, he was responsible for oversight and coordination for the majority of the Army's Applied Research program and all of Army's Advanced Development program. From January through November 2002, Dr. Killion served as the Director for Personnel Technologies in the Office of the Deputy Chief of Staff, where he was responsible for policy, guidance, oversight and advocacy of the Army's MANpower and PeRsonnel INTegration (MANPRINT) and Soldier Oriented Research and Development in Personnel and Training programs. Dr. Killion also served as the principal scientific advisor to the Deputy Chief of Staff.