

# CHEMICAL ENGINEERING

## SEMINAR SERIES



### GEN. ELLEN PAWLIKOWSKI

**Monday, April 10, 2017**

Commander, Air Force Materiel Command  
Wright-Patterson Air Force Base, Ohio  
US Air Force Materiel Command

**ABSTRACT:** As the commander of Air Force Materiel Command, General Ellen M. Pawlikowski now serves as the chief Air Force officer in charge of acquisitions for her entire service, commanding a \$60 billion budget and more than 80,000 people. However, she got her humble beginnings as a newly minted second lieutenant with a chemical engineering undergraduate degree back in 1978.

In her University of Washington Chemical Engineering Department Seminar, she will discuss her perspective on what a chemical engineering degree means in the professional world, and the key attributes of a qualified chemical engineer. She will reflect on her early life and personal experience as a woman who grew up, and was educated, in an era when female engineers were an extremely rare commodity. General Pawlikowski will also discuss the challenges that she has faced during the course of her life, both personally and professionally. Additionally, she will explore and explain the methodology behind Air Force decisions related to research and experimentation, and how various potential technology focus is prioritized, from concept to fulfillment.

**BIOGRAPHY:** Gen. Ellen M. Pawlikowski serves as Commander, Air Force Materiel Command, Wright-Patterson Air Force Base, Ohio. The command employs some 80,000 people and manages \$60 billion annually, executing the critical mission of warfighter support through leading-edge science and technology, cradle-to-grave life cycle weapon systems management, world-class developmental test and evaluation, and world-class depot maintenance and supply chain management.

General Pawlikowski entered the Air Force in 1978 through the ROTC program at the New Jersey Institute of Technology. She then attended the University of California at Berkeley and received a Doctorate in chemical engineering in December 1981, entering active duty at McClellan AFB, California, in April 1982.

**RECEPTION 3:30 • LECTURE 4:00 - 5:00**  
**ARCHITECTURE HALL 147**



**CHEMICAL ENGINEERING**  
UNIVERSITY of WASHINGTON

*Knowledge and solutions for a changing world*

General Pawlikowski's career has spanned a wide variety of technical management, leadership and staff positions including command at the wing and center levels. She has served as Director of the Acquisition Management Office for the Assistant to the Secretary of Defense for Atomic Energy and as Deputy Assistant to the Secretary of Defense for Counterproliferation, Office of the Secretary of Defense. Her leadership assignments included Program Director of the Airborne Laser Program; Commander of the Military Satellite Communications Systems Wing; Deputy Director of the National Reconnaissance Office; Commander of the Air Force Research Laboratory; and most recently Commander of the Space and Missile Systems Center.

General Pawlikowski is nationally recognized for her leadership in the US science and technology community. She is a Fellow of the American Institute of Aeronautics and Astronautics and a member of the National Academy of Engineers.

Prior to her current assignment, General Pawlikowski was the Military Deputy, Office of the Assistant Secretary of the Air Force for Acquisition, the Pentagon, Washington, D.C.

#### EDUCATION

1978 Bachelor of Science degree in chemical engineering, New Jersey Institute of Technology, Newark  
1981 Doctorate of Philosophy in chemical engineering, University of California, Berkeley  
1984 Squadron Officer School, Maxwell AFB, Ala.  
1990 Air Command and Staff College, Maxwell AFB, Ala.  
1991 Program Managers Course, Defense Systems Management College, Fort Belvoir, Va.  
1994 Industrial College of the Armed Forces, Fort Lesley J. McNair, Washington, D.C.

#### MAJOR AWARDS AND DECORATIONS

Distinguished Service Medal  
Defense Superior Service Medal with two oak leaf clusters  
Legion of Merit  
Defense Meritorious Service Medal  
Meritorious Service Medal with two oak leaf clusters  
Air Force Commendation Medal with oak leaf cluster  
Air Force Achievement Medal  
Air Force Individual Recognition Ribbon

#### OTHER ACHIEVEMENTS

1984 Commandant Trophy, Squadron Officers School  
1999 Air Force Association Management Award, Æ Executive  
2012 Women in Aerospace, Lifetime Achievement Awards  
2012 Thomas D. White Space Award  
2012 Fellow, American Institute of Aeronautics and Astronautics  
2014 Member, National Academy of Engineering