

1106-AE-1465 **Mark E. Oxley*** (mark.oxley@afit.edu), Air Force Institute of Technology, 2950 Hobson Way,
Bldg 641/ENC, Wright-Patterson AFB, OH 454533-776. *A Mathematical View of Signature
Discovery for Classification Systems.*

This talk will discuss the mathematical aspects of signature discovery. The mathematics will at an abstract, basic level so undergraduate student can follow the discussion. We define a signature and discuss the discovery process. We will use a classification problem as a concrete problem to demonstrate the mathematical theory. Other examples will be given. (Received September 13, 2014)