The Center for NDE moved from reporting to the Vice President for Research to the College of Engineering on July 1st 2015. CNDE and the College are now looking to increase engagement with Departments and Faculty. This seminar will provide an introduction to CNDE, its current industrial and federal sponsors, highlight some past successes, including the Engine Titanium Consortium which resulted in a reduction of uncontained jet engine failures to 20% of their previous rate, and impacts on both commercial and military aviation. It will present some examples of current projects and interests which have addressed aerospace needs. It will then discuss the current directions within CNDE and opportunities particularly for Aerospace Engineering faculty and students to engage with the Center.

Thursday, September 25, 2014 // 2:00 - 3:00 p.m. // Rm 1235 Howe Hall

On behalf of Professor Wei Hong, Meet our latest speaker:

Professor Leonard Bond
Department of Aerospace Engineering, Iowa State University

Dr. Leonard Bond received his Ph.D. in physics from the City University, London. After completing his postdoc, which was sponsored by the UK’s Propellants, Explosives and Rocket Motors Establishment-Westcott, Dr. Bond held faculty positions at University College London (UCL). He also became the founding member of the UCL’s Nondestructive Evaluation Center and was appointed reader in ultrasonics. After leaving the UCL, Dr. Bond went on to become a research professor at the University of Colorado, Boulder. He was the founding director of the Idaho National Laboratory’s Center for Advanced Energy Studies National Laboratory. Most recently, he held the position of laboratory fellow at the Department of Energy’s Pacific Northwest National Laboratory. Dr. Bond’s research has focused on the use of ultrasonics and fundamental physical acoustics to characterize materials for aging energy and defense systems. In 2010, Dr. Bond became a Fellow of the American Association for the Advancement of Science and he is a Fellow of the UK’s Institute of Physics. He is the author or co-author of more than 250 publications. He has supervised 15 successful Ph.D. students, and holds 10 patents.