



The Macrogram

Hartford Chapter of the ASM International
Build on our Strengths - Leverage our Diversity - Network to Succeed

MONTHLY MEETING – TOPIC

February 19, 2007

Topic: Modeling Manufacturing Processes and the Effect on Durability

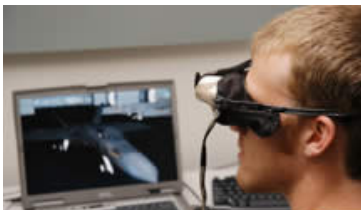
Speaker: Dr. Anthony Dennis
Consultant
Connecticut Center for Advanced Technology, Inc. (CCAT)

Directions: Cugino's, 1076 Main Street, Newington, CT 06111, Ph: (860) 665-0881
Main Street is Route 176. Cugino's is south of Route 175 (Cedar Street). Use alleyway to parking area in rear.

Agenda:	Program Charges:
Cocktails: 5:30-6:30 PM	Regular Members - \$28.00
Dinner: 6:30-7:30 PM	Retirees - \$15.00
Program: 7:30-8:30 PM	Full Time Students - \$15.00

Technical Chairperson: Amber Black
Reservations: Call Shirley at Dynamic Metals (860) 583-3336 by noon February 14th. **Thanks!**

Abstract:



The Connecticut Center for Advanced Technology, CCAT, is a non-profit organization, which has a mission to assist small companies in the Air Force supply chain become more efficient and effective. A major aspect of the CCAT effort is to expose the companies to commercially available software for the modeling and simulation of various processes

such as machining, grinding, and casting. The current plan is to incorporate results of these analyses into the life prediction procedure. CCAT has acquired several computer codes and has solicited real demonstration projects through the collaboration with regional companies. The presentation will describe the computer codes being used, results of representative projects, and the plan to use this information for durability analysis. The relationship and collaboration with the faculty and students of universities will also be discussed..

Bio:

Dr. Anthony J. Dennis has been a consultant at CCAT since its inception in 2002. He retired from United Technologies Corporation after 39 years in the structural integrity area, half of his career managing the structures group at the corporate research center involved in a variety of projects for the UTC divisions as well as government contracts. The other half was at Pratt & Whitney working on composites, durability, and high cycle fatigue.

He is an adjunct professor of Engineering and Science at Rensselaer at Hartford for over 35 years. He received his B.S in Aeronautical Engineering and M.S. from RPI and his Ph.D. in Mechanical Engineering from the University of Connecticut.

Dr. Dennis lives in South Windsor with his wife, Barbara. They have two children, a son and daughter, both attorneys
