



## **CECAM Bulletin C05-01**

### **Welcome to the Advanced Materials Technology E-Bulletin!**

The Federal Aviation Administration designated the National Institute for Aviation Research (NIAR) as a Center of Excellence for Composites and Advanced Materials (CECAM) in December 2003.

The mission of the center is to provide the nation with a center for the validation and quality assurance of composites and advanced materials to be applied in the construction of large commercial transport aircraft. It will do this through (1) research, testing, certification and technology transfer; (2) coordination and cooperation with the FAA, large commercial transport aircraft manufacturers, materials suppliers and airline companies; and (3) education of the aircraft manufacturing and maintenance workforces.

Overall, the objectives of the Center of Excellence will be to perform basic and applied research within specific technology areas. This will help facilitate growth and education of the use of advanced materials with emphasis on the needs of the large transport aircraft industry while supporting the safety and certification issues involved in airworthiness assurance. CECAM will also fulfill the FAA's need to advance composite technology documentation related to FAA certification policy, guidance and training.

Of these objectives, NIAR's focus is primarily on the safety and certification of emerging applications of composites and advanced materials in commercial transport aircraft.

Located at Wichita State University, NIAR leads the center with core members from Northwestern University, Purdue University, Tuskegee University, University of Delaware and University of California at Los Angeles.

For more information about CECAM, please visit the NIAR website at <http://www.niar.twsu.edu/newniar/coe/cecam.asp>