



Office of Environment and Energy



Center of Excellence for Aircraft Noise Mitigation

Technology areas:

Socio-Economic Effects of Noise and Noise Mitigation
 Noise Abatement Flight Procedures and Technology
 Trade-offs between Noise and Emissions
 Compatible Land Use Management
 Airport Operational Controls
 Communication and Continuing Education

Planned establishment date: September, 2003

Sponsor: Carl Bureson, Director,
 Office of Environment and Energy, AEE-1

Web: <http://www.coe.faa.gov>


The Federal Aviation Administration (FAA) plans to establish a Center of Excellence for Aircraft Noise Mitigation in 2003.

The Center of Excellence for Aircraft Noise Mitigation will collaborate with the FAA to foster breakthrough technical, operational, and workforce capabilities enabling quieter aircraft. This partnership will seek to enhance the understanding of aerospace environmental issues.

The Center's research will initially develop information, tools, methods, and technologies that help understand and mitigate the adverse impacts of aircraft noise upon the environment, human health and well-being. The FAA also plans to grow the Center's scope to address aviation emissions and other pertinent issues.

The knowledge and capability gained from this research will provide critical information to government decision-makers and senior executives in industry to tackle environmental impacts, which may represent the single greatest challenge to the continued growth and prosperity of civil aero-space. The Center will also grow the next-generation workforce to meet the continuing challenges of aviation environmental issues.

For additional information:

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Office of Aviation Research

The FAA has established the following Centers of Excellence:

- **The Joint Center of Excellence for Computational Modeling of Aircraft Structures - 1992-1996**

Rutgers University
Georgia Institute of Technology
Designated by Congress in 1990



- **Airport Technology - 1995**

University of Illinois at Urbana-Champaign
Northwestern University
Embry-Riddle Aeronautical University
North Carolina A&T State University

Web: <http://uiairpave.ce.uiuc.edu>



- **Operations Research - 1996**

Core Members:

University of California-Berkeley
Massachusetts Institute of Technology
University of Maryland
Virginia Polytechnic Institute
12 University Partners
18 Industry Affiliates

Web: <http://www.nextor.org>



- **Airworthiness Assurance - 1997**

Original Core Members:

Arizona State University
Iowa State University
Northwestern University
Ohio State University
Sandia National Laboratories
University of California
University of Dayton,
University of Maryland
Wichita State University
20 additional University Partners
50 Industry Affiliates

Web: <http://www.coe.faa.gov/aace/>



- **General Aviation - 2001**

Embry-Riddle Aeronautical University
Florida A&M University
University of Alaska
University of North Dakota
Wichita State University

Web: <http://www.cgar.org>