

## Who Should Attend

- Aviation Medical Examiners (AME)
- Physicians (M.D./D.O.)
- Physician Assistants (P.A.)
- Advanced Practice Nurses (N.P.)
- Nurses (R.N./L.P.N.)
- Other health care providers
- Individuals interested in aviation medicine topics

## Program Objectives

- Describe the procedures, protocols, and challenges involved in preparing and transporting patients by fixed and rotary wing aircraft.
- Explain the different types of hypoxia encountered by flight crews in an aerospace environment and illustrate the available methods to recognize and mitigate its deleterious effects.
- Recognize when airmen with a diagnosis of alcohol or drug abuse, or depression, should be referred to a HIMS designated AME. Understand the processes involved in returning them safely to flying status.
- Recognize and integrate the methods and procedures employed in aerospace environments (crew resource management) to health care venues and the increase in patient safety that results from such practices.
- Describe medical certification of airmen diagnosed with coronary artery disease based on current FAA recommendations and procedures.
- Explain the current process of pilot mental health evaluation as it applies to FAA requirements, and potential techniques that may be employed during encounters with airmen.
- Become familiar with the individual, operational, and environmental risk factors in manned commercial space flights. Understand the safety regulatory aspects of manned commercial space operations. Identify the sources of the most relevant guidance for medical screening of manned commercial space crews and participants.
- Clarify the roles and interrelationships in the disciplines of space medicine, aviation medicine, and preventive medicine. Discuss the nature and challenges of space physiology. Become familiar with aspects of operational space medicine.
- Understand how spatial disorientation can lead to loss of control of an aircraft. Understand trauma challenges with aircraft accidents. Understand how Advanced Trauma Life Support (ATLS) began.



## 2nd Annual EAA AirVenture Stanley R. Mohler, M.D., M.P.H., Aerospace Medicine Lecture Series

July 21, 22 & 23, 2015



Boonshoft  
School of Medicine  
WRIGHT STATE UNIVERSITY

Department of Community Health  
Division of Aerospace Medicine

Dayton, Ohio

In conjunction with  
2015 EAA AirVenture Oshkosh Airshow

## Program Schedule

### Tuesday, July 21

0830	Aeromedical Transportation: Moving the Vulnerable and Supporting Those Who Do <i>John D. Owen, M.D.</i>
0930	Hypoxia <i>Gregory A. Pinnell, M.D.</i>
1030	Alcohol, Drugs, SSRIs, and the FAA HIMS Program <i>Ian Blair Fries, M.D.</i>

### Wednesday, July 22

0830	Crew Resource Management: From the Cockpit to the Clinic <i>James R. Elliott, M.D., M.P.H.</i>
0930	Aviation Medical Examiners' Roles and Responsibilities for Medical Certification of Airmen with Coronary Artery Disease <i>Arnold A. Angelici, M.D., M.S.</i>
1030	AME Evaluation of Pilot Mental Health— Process Overview and Forum Discussion <i>Thomas F. Jarnot, M.D., M.S.</i>

### Thursday, July 23

0830	Operational, Environmental, and Physiological Safety Considerations in Manned Commercial Space Flights <i>Melchor J. Antunano, M.D., M.S.</i>
0930	Introduction to Space Medicine <i>Kazuhito Shimada, M.D., Ph.D.</i>
1030	A Spatial Disorientation Crash that Changed the World <i>David G. Schall, M.D., M.P.H.</i>

## Location

EAA AirVenture Museum  
Vette Auditorium  
3000 Poberezny Road ■ Oshkosh, WI 54902

### Directions

From U.S. 41  
Take Exit 116 east (Wis. 44/South Park Road.)  
Turn right on Knapp Street Road.  
Right on Poberezny Road.  
Proceed ¼-mile to museum on the left.

## Speakers

### Arnold A. Angelici, M.D., M.S.

Flight Surgeon  
Federal Aviation Administration, Southern Region  
Atlanta, Georgia

### Melchor J. Antunano, M.D., M.S.

Director, Civil Aerospace Medical Institute  
Federal Aviation Administration  
Mike Monroney Aeronautical Center  
Oklahoma City, Oklahoma

### James R. Elliott, M.D., M.P.H.

Lt. Col. USAF (Ret)  
Federal Aviation Administration  
Deputy Regional Flight Surgeon, Central Region  
Kansas City, Missouri

### Ian Blair Fries, M.D.

FAA Senior (HIMS) Aviation Medical Examiner  
A1A Aviation Medicine, Inc.  
Vero Beach, Florida

### Thomas F. Jarnot, M.D., M.S.

Associate Program Director  
Division of Aerospace Medicine  
Department of Community Health  
Wright State University Boonshoft School of Medicine  
Dayton, Ohio

### John D. Owen, M.D.

Brigadier General USAF (Ret)  
Mosaic Life Care St. Joseph  
Medical Director, Emergency Department  
Co-Medical Director, LifeNet Air Medical Transport  
FAA Senior Aviation Medical Examiner  
St. Joseph, Missouri

### Gregory A. Pinnell, M.D.

Col. USAF Reserve, Senior Flight Surgeon  
45th Space Wing  
FAA Senior Aviation Medical Examiner  
Airdocs Aeromedical Support Services  
MBS International Airport  
Freeland, Michigan

### David G. Schall, M.D., M.P.H.

Aerospace Neurologist  
FAA Regional Flight Surgeon, Great Lakes Region  
Des Plaines, Illinois

### Kazuhito Shimada, M.D., Ph.D.

Medical Officer  
Flight Research Unit  
Japan Aerospace Exploration Agency (JAXA)

## Continuing Education Credits

### CME

Wright State University (WSU) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. WSU designated this live activity for a maximum of 9.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### ADA Statement

As an organization accredited for continuing medical education, Wright State University Boonshoft School of Medicine fully complies with the legal requirements of the Americans with Disabilities Act rules and regulations. If any participant is in need of accommodations, written requests should be submitted.

## Registration Information

**Please register early.** Space is limited to 100 people. Registration is open as long as space is available. Fee includes conference materials and continuing medical education credits. No refunds will be given.

### For more information:

Contact Thomas Jarnot, M.D., at  
thomas.jarnot@wright.edu or 937.775.1400.

### Register at:

medicine.wright.edu/aerospace-medicine/lecture-series

**Cost:** \$90 per day

### Planning Committee

Thomas F. Jarnot, M.D., M.S., Planning Chair  
Associate Program Director

Richard T. Garrison, M.D., M.S., M.S.  
Director of Flight Medicine Clinic

Dean M. Olson, M.D., M.S., M.S.  
Division Chair and Program Director

Donna W. Klink, R.N.  
Residency Coordinator