Scholarly Speaking 2017
Scholarly Speaking
April 13, 2017

Program

Welcome
Dr. Frank Ayers
  Chancellor

Author Recognition
Sarah Thomas
  Director, Hazy Library and Learning Center
Dr. Richard Bloom
  Chief Academic Officer

Faculty Speakers
Dr. Geoffrey Jensen
  College of Security and Intelligence
Dr. Kaela Martin
  College of Engineering
Bibliography

of

Publications & Presentations

in 2016

Embry-Riddle
Aeronautical University
Prescott Campus
Community

April 13, 2017
Mehran Andalibi

College: Engineering

Department: Mechanical Engineering

Research Areas: Autonomous systems; Computer vision; Machine learning.

2016 Scholarly Activity:


Ghazal Barari

**College:** Engineering  
**Department:** Mechanical Engineering  
**Research Areas:** Combustion modeling; HCCI engines; Quantum chemical calculations.

**2016 Scholarly Activity:**


Dina Battaglia

Department: Center for Teaching & Learning Excellence

Research Areas: Master teaching, Authentic teaching and assessment; Application of positive psychology to the teaching and learning environment.

2016 Scholarly Activity:


Richard W. Bloom, Chief Academic Officer

**College:** Security & Intelligence

**Research Areas:** Aviation intelligence and security systems; Profiling; Terrorism, anti-terrorism, and counterterrorism; Threat, vulnerability, and risk assessment; Intelligence collection and analysis, covert action, and counterintelligence; Personnel security; The psychology of information warfare; Critiques of post-modernism and post-structuralism in the contexts of psychological assessment and hermeneutics historical narrative.

**2016 Scholarly Activity:**


Anne Boettcher

Department: Undergraduate Research Institute and Honors Program
Research Areas: Undergraduate research; Ecological sociology.

2016 Scholarly Activity:


Brent Bowen

College: Aviation, Dean
Department: Aeronautical Science
Research Areas: Measurement of airline operational performance and quality; Collegiate aviation education and scholarship; Research methods in aviation.

2016 Scholarly Activity:


2016 Scholarly Activity:


Bowen, E. E., & Bowen, B. (2016). Executive briefing to the leadership; Collaboration in the global community with Embry-Riddle Aeronautical University – Prescott campus. Presentation at the American Hellenic University, Athens, Greece.


Ron Carr

College: Aviation

Department: Aeronautical Science

Research Areas: Aviation Physiology; Crew Resource Management.

2016 Scholarly Activity:


Carr, R. (2016). Sitting on a runway may be a thing of the past. Interview by J. Foster. Arizona Morning [Television Broadcast]. KTAR.

2016 Scholarly Activity:


Nick Devereux

**College:** Arts & Sciences  
**Department:** Physics & Astronomy  
**Research Areas:** Astronomy; Theoretical computer science and applied mathematics.

**2016 Scholarly Activity:**


Hillary Eaton

**College:** Arts & Sciences  
**Department:** Biology & Chemistry  
**Research Areas:** Microbiology; Bioremediation; Toxicology.

**2016 Scholarly Activity:**


Cindy Greenman

**College:** Arts & Sciences

**Department:** Business

**Research Areas:** Accounting ethics.

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**2016 Scholarly Activity:**


Jon Haass

College: Security & Intelligence
Department: Cyber Intelligence & Security, Department Chair
Research Areas: Cyber security; Securing the Internet of Things.

2016 Scholarly Activity:

James Helbling

College: Engineering
Department: Mechanical Engineering, Department Chair
Research Areas: Structural fatigue life prediction.

2016 Scholarly Activity:
Timothy Holt

**College:** Aviation

**Department:** Applied Aviation Sciences

**Research Areas:** Aviation safety; Accident investigation; Airport management; Anti-terrorism/Security management; Aviation/Flight training & education; Aviation human factors (fatigue, communication, etc.); Military, Operations management; Strategic management.

2016 Scholarly Activity:


Dorothea Ivanova

College: Aviation

Department: Applied Aviation Sciences

Research Areas: Cloud physics; Climate variability studies; Atmospheric modeling; Global and regional climate models.

2016 Scholarly Activity:


Curtis N. James

**College:** Aviation  
**Department:** Applied Aviation Sciences, Department Chair  
**Research Areas:** Mesoscale; Radar; Mountain meteorology.  

**2016 Scholarly Activity:**


James, Curtis N. (2016). The physics of thunderstorms. Guest lecture presented at the Brigham Young University Physics Department, Provo, UT.

Geoffrey Jensen

**College:** Security & Intelligence  
**Department:** Intelligence Studies and Global Affairs  
**Research Areas:** War and society; Race and the military; Race and politics; Cold war history; American foreign policy; Chinese history; History of the American war in Vietnam; and Southern American history.  

**2016 Scholarly Activity:**

2016 Scholarly Activity:


2016 Scholarly Activity:


Jacqueline Luedtke (continued)


- Luedtke was a consultant for this book.
Juan Merkt

College: Aviation

Department: Aeronautical Science; Department Chair

Research Areas: Energy management training; Human factors; Aviation safety; Aviation education and accreditation.

2016 Scholarly Activity:


2016 Scholarly Activity:


Sarah Nilsson

College: Aviation
Department: Aeronautical Science
Research Areas: Aviation; Space; Unmanned aerial systems law.

2016 Scholarly Activity:

Nilsson, S. (2016). 2015 commercial space industry snapshot as seen through the eyes of the ISPCS. Presented at the Aviation/Aeronautics/Aerospace International Research Conference (A³iR Con), Chandler, AZ. Retrieved from http://commons.erau.edu/aircon/2016/


Nika Nordbrock

**College:** Arts & Science

**Department:** Humanities & Communication

**Research Areas:** Cowboy poetry; Composition; Diversity.

### 2016 Scholarly Activity:


Nordbrock, A. C. (2016). The lingo of our calling: Cowboy vocabulary. Presentation at the American Dialectology Association Session, RMMLA, Salt Lake City, UT.


Nordbrock, A. C. (2016). Presenter and Session Host at the 29th Arizona Cowboy Poets Gathering, Prescott, AZ.

Nordbrock, A. C. (2016). Words that whisper through the grass: The origins of cowboy poetry. Presented at the 47th College English Association Conference, Denver, CO.
Jennah Perry

**College:** Aviation

**Department:** Applied Aviation Sciences

**Research Areas:** Flight simulation training; Education/Pedagogical studies; and Human factors.

2016 Scholarly Activity:


Perry, J. C. (2016). Air traffic management informational session with students and parents. Presented at the ERAU Open House, Prescott, AZ.


Perry, J. C., & Gallimore, J. (2016). We have the technology: Creating effective pilots by coupling simulation with ground school. Undergraduate Poster presented at the Aviation/Aeronautics/Aerospace International Research Conference (A³iR Con), Chandler, AZ. Retrieved from http://commons.erau.edu/aircon/2016/
John E. Post

College: Engineering

Department: Computer, Electrical, & Software Engineering, Department Chair

Research Areas: Design and optimization of planar microwave circuits and devices; Engineering education.

2016 Scholarly Activity:


Timothy A. Sestak

College: Aviation

Department: Aeronautical Science

Research Areas: Wingsuits.

2016 Scholarly Activity:


Sam Siewart

College: Engineering

Department: Computer, Electrical, & Software Engineering

Research Areas: Software-defined computational photometry.

2016 Scholarly Activity:


**Mark R. Sinclair**

**College:** Aviation  
**Department:** Applied Aviation Sciences  
**Research Areas:** Synoptic and dynamic meteorology.

**2016 Scholarly Activity:**


Lance Traub

**College:** Engineering  
**Department:** Aerospace Engineering  
**Research Areas:** Applied and theoretical aerodynamics.

### 2016 Scholarly Activity:


Lance Traub (continued)


Jules O. Yimga

College: Arts & Science
Department: Business
Research Areas: Industrial Organization (IO); Applied econometrics; Development economics; Air transportation.

2016 Scholarly Activity:


Johnny Young

College: Aviation
Department: Aeronautical Science
Research Areas: UAS integration into the NAS; Industrial application with UAS.

2016 Scholarly Activity:

Young, J. L. (2016). Universities role in training the next generation of UAS pilots. Presented at the Arizona UAS Summit and Expo, Scottsdale, AZ.
Acknowledgements

Dr. Frank Ayers
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Embry-Riddle Aeronautical University, Prescott

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