Bibliography
of
Publications & Presentations
in 2014

Embry-Riddle
Aeronautical University
Prescott Campus
Community

April 2, 2015

Quentin G. Bailey
College: Arts & Science
Department: Physics & Astronomy

Research Area:
♦ Theoretical and experimental aspects of testing special and general relativity

2014 Publications:


---. "Gravity Sector of the SME." Local Group Meeting of the IUCSS. Bloomington, IN. Feb., 2014.
Angela Beck  
**College:** Arts & Science  
**Department:** Humanities & Communications

**Research Areas:**
- Sociocognitive theories of language acquisition and expertise, especially as they apply to composition studies  
- Team-teaching and collaborative education  
- Writing for specific purposes  
- Strategy instruction especially applied to the teaching of technical writing

**2014 Publication:**

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 interpretations of historical, biographical, and autobiographical narrative

**2014 Publications:**

Dr. Bloom (continued)

---. "Federal Roles in Air Travel Disease Mitigation (Panel Chair)." *93rd Annual Meeting of the Transportation Research Board.* Washington, D.C. 12-16 Jan., 2014.


---

Brent Bowen

**College:** College of Aviation, Dean  
**Department:** Applied Aviation Sciences

**Research Areas:**
- Measurement of airline operational performance and quality
- Collegiate aviation education and scholarship
- Research methods in aviation

**2014 Publications:**


Brent Bowen (continued)


Erin Bowen

**College:** Arts & Science  
**Department:** Behavioral & Safety Sciences

**Research Areas:**
- Industrial psychology and safety
- Aviation psychology
- Safety culture
- Statistical research methodological assessment methods in safety

**2014 Publications:**


Erin Bowen (continued)


Leeann Chen

College: Arts & Science
Department: Humanities & Communications

Research Areas:
- Foreign-language and Chinese as a foreign language pedagogy
- Study abroad
- College writing in a specialized discipline

2014 Publication:
Thomas Field

**College:** Security & Intelligence  
**Department:** Intelligence Studies & Global Affairs

**Research Areas:**  
♦ International history of Latin America  
♦ Cold War in the Third World  
♦ US diplomatic history  
♦ Contemporary Bolivian history  

**2014 Publication:**  
Field, Thomas. *From Development to Dictatorship: Bolivia and the Alliance for Progress in the Kennedy Era.*  

Jonathan Gallimore

**College:** Arts & Science  
**Department:** Behavioral & Safety Sciences

**Research Areas:**  
♦ Action and perception  
♦ Working memory  
♦ Transportation research  
♦ Aviation psychology  

**2014 Publication:**  
Iacopo Gentilini

College: Engineering
Department: Aerospace & Mechanical Engineering

Research Area:
♦ Robotics

2014 Publication:

Javad Gorjidooz

College: Arts & Science
Department: Global Business

Research Area:
♦ Economic impact analysis & pilot shortages

2014 Publications:
Melissa Gottwald
Department: Robertson Safety Institute

Research Areas:
♦ Archives
♦ Aviation history

2014 Publications:

Cindy Greenman
College: Arts & Science
Department: Business

Research Area:
♦ Accounting ethics

2014 Publication:
Jon Haass
College: Security & Intelligence
Department: Cyber Intelligence & Security

Research Area:
♦ Cyber security: securing the Internet of things

2014 Publications:

James Helbling
College: Engineering
Department: Aerospace & Mechanical Engineering

Research Area:
♦ Structural fatigue life prediction

2014 Publication:
Douglas Isenberg
College: Engineering
Department: Aerospace & Mechanical Engineering

Research Areas:
♦ Dynamics and control with applications in space robotics

2014 Publications:

Dorothea Ivanova
College: Aviation
Department: Applied Aviation Sciences

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

2014 Publications:
Dorothea Ivanova (continued)


Curtis James

College: Aviation
Department: Applied Aviation Sciences

Research Area:
♦ Mesoscale, radar, and mountain meteorology

2014 Publications:


Curtis James (continued)


James, C. N. "Experiential Learning on Hydrometeorology through a University Study Abroad Program." Extended abstracts, 23rd Symposium on Education. Atlanta, GA. American Meteorological Society, 2014.


Curtis James (continued)


Wahyu Lestari (continued)


Jackie Luedtke
College: Aviation
Department: Aeronautical Science

Research Areas:
♦ Aviation safety
♦ Aviation management
♦ Effects of marketing in aviation
♦ Service quality in aviation
♦ Women’s contribution to aviation
♦ Retention issues

2014 Publications:

Jackie Luedtke (continued)
Juan Merkt

College: Aviation
Department: Aeronautical Science

Research Areas:
♦ Energy management training
♦ Aerospace physiology
♦ Aviation program accreditation
♦ Aviation curriculum development

2014 Publication:


Nika Nordbrock

College: Arts & Science
Department: Humanities & Communication

Research Areas:
♦ Cowboy poetry
♦ Composition
♦ Diversity

2014 Publications:


Nika Nordbrock (continued)


Vince Pujalte
College: Aviation
Department: Aeronautical Science

Research Areas:
♦ Unmanned aerial systems

2014 Publications:

Suzie Roth
Department: Hazy Library & Learning Center

Research Areas:
♦ Information literacy instruction
♦ Active learning
♦ Educational technology

2014 Publications:
Lance Traub
College: Engineering
Department: Aerospace & Mechanical Engineering

Research Area:
♦ Applied and theoretical aerodynamics

2014 Publication:

Patricia Watkins
Department: Hazy Library & Learning Center

Research Areas:
♦ Competitive intelligence
♦ International and industrial research
♦ Library information resources

2014 Publications:
Patricia Watkins (continued)


Melanie Wetzel

College: Aviation
Department: Applied Aviation Sciences

Research Areas:
♦ Atmospheric instrumentation
♦ Cloud physics
♦ Remote sensing

2014 Publications:


Melanie Wetzel (continued)


2014 Publications:


Zhan, Hong. "The Role of Educational Technology in Teaching and Learning Chinese Characters."

**ERAU Student Contributions**

**2014 Publications**

**Michelle Bennett**

**Blair Boies**

**Austin Wardall**