Bibliography
of
Publications & Presentations
in 2011

Embry-Riddle
Aeronautical University
Prescott Campus
Community

March 29, 2012
Quentin G. Bailey

**College:** Arts & Sciences  
**Department:** Physics

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

**2011 Publications:**


Angela Beck

**College:** Arts & Sciences  
**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

**2011 Publications:**

Sally Blomstrom
College: Arts & Sciences
Department: Humanities & Communications

Research Areas:
- Service learning
- Creative problem solving
- Assessment

2011 Publications:


Richard W. Bloom
Associate Vice President for Academics

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

2011 Publications:


---. "Cybersecurity: The Insider Threat: an Overview of Research and Specific Recommendations". Presentation for the panel, Cybersecurity Strategies -Keeping Our Nation Safe From Manmade and
Richard W. Bloom (continued)


Leeann Chen

**College:** Arts & Sciences  
**Department:** Humanities & Communications

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

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**2011 Publications:**

Nicholas Devereux

College: Arts & Sciences
Department: Physics

Research Areas:
- Extragalactic observational astronomy at infrared, millimeter and optical wavelengths
- Origin of the far infrared luminosity in spiral galaxies

2011 Publications:


James Doyle

College: Engineering
Department: Computer & Electrical Engineering

Research Areas:
- Advance RF power amplifier controller design
- Multi-discipline research into neural electronic response of cerebral cortex of a rat and wireless transmission of these signals

2011 Publications:
Thomas Field
College: Arts & Sciences
Department: Global Studies

Research Areas:
- International history of Latin America
- Cold war in the Third World
- US diplomatic history
- Contemporary Bolivian history

2011 Publications:


Melissa Gottwald
College: Aviation
Department: Aviation & Security Archives

Research Areas:
- Aviation history

2011 Publications:

Andri Gretarsson
College: Arts & Sciences
Department: Physics

Research Areas:
- LIGO Project: Gravitational waves

2011 Publications:

Scott Hamilton
College: Arts & Sciences
Department: Business

Research Areas:
- Law
- Labor relations

2011 Publications:
James Helbling

**College:** Engineering  
**Department:** Aerospace & Mechanical Engineering

**Research Area:**  
♦ Structural fatigue life prediction

**2011 Publications:**


Douglas Isenberg

**College:** Engineering  
**Department:** Computer & Electrical Engineering

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

**2011 Publications:**

Dorothea Ivanova

**College:** Aviation  
**Department:** Meteorology

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

**2011 Publications:**


Matthew Jaffe

**College:** Arts & Sciences  
**Department:** Computer Sciences

**Research Areas:**
- Software engineering

**2011 Publications:**

**Curtis James**

**College:** Aviation  
**Department:** Meteorology

**Research Areas:**
- Mesoscale, radar, and mountain meteorology

**2011 Publications:**


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**Philip Jones**

**College:** Arts & Sciences  
**Department:** Global Studies

**Research Areas:**
- Military, political, and cultural studies of the southwest Asia region

**2011 Publications:**

**Eileen Landis-Groom**

**College:** Arts & Sciences  
**Department:** Humanities & Communications

**Research Areas:**  
- Creative writing  
- Travel literature  
- Teaching writing

**2011 Publications:**


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**David Lanning**

**College:** Engineering  
**Department:** Aerospace & Mechanical Engineering

**Research Areas:**  
- Fatigue and fracture of engineering materials  
- Foreign object damage  
- Engineering education

**2011 Publications:**


Lanning, David, Wahyu Lestari, and S. Waterhouse. "Evaluating Prerequisite Knowledge Using a Concept Inventory for an Engineering Failure"


Shawna Lockhart

College: Engineering
Department: Aerospace & Mechanical Engineering

Research Areas:
♦ 3D modeling and design

2011 Publications:
Jacqueline Luedtke

College: Aviation
Department: Safety Science

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

2011 Publications:

Ron Madler

College: Engineering
Dean, College of Engineering

Research Areas:
- Engineering education
- Orbital debris
- Astrodynamics
- Spacecraft design
- Space exploration
- Planetary science

2011 Publications:
Jeremy Mazon

College: Aviation
Department: Meteorology

Student:
♦ Degree: Applied Meteorology
♦ Concentration: Meteorology of aviation operations
♦ Graduation: May, 2011

2011 Publications:

Nika Nordbrock

College: Arts & Sciences
Department: Humanities & Communications

Research Areas:
♦ Cowboy poetry
♦ Composition
♦ Diversity

2011 Publications:


Nika Nordbrock (continued)


John (Ed) Post
College: Engineering
Department: Computer & Electrical Engineering

Research Areas:
♦ Planar microwave circuits and devices
♦ Engineering education

2011 Publications:
**Suzie Roth**

**Department:** Hazy Library & Learning Center

**Research Areas:**
- Information literacy instruction
- Faculty and library collaboration
- Student success
- Diversity and women’s studies

**2011 Publications:**


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**Mark Sinclair**

**College:** Aviation
**Department:** Meteorology

**Research Area:**
- Synoptic and dynamic meteorology

**2011 Publications:**


Robin Sobotta
College: Arts & Sciences
Department: Business

Research Areas:
- Airport and aviation issues (planning/technology)
- Environment (justice/noise)
- Security (border/unmanned aviation systems)

2011 Publications:

Cheyenne Space
College: Aviation
Department: Meteorology

Student:
- Degree: Applied Meteorology
- Concentration: Military meteorology
- Minor: Mathematics
- Graduation: December, 2011

2011 Publications:
Lance Traub
College: Engineering
Department: Aerospace & Mechanical Engineering

Research Areas:
- Applied and theoretical aerodynamics

2011 Publications:


Bradley Wall

College: Engineering
Department: Aerospace & Mechanical Engineering

Research Areas:
- Orbital mechanics
- Optimization

2011 Publications:

Pat Watkins

Department: Hazy Library & Learning Center

Research Areas:
- Competitive intelligence
- International and industrial relations
- Library information resources

2011 Publications:
Jana Whittington
Department: Educational Technology

Research Areas:
♦ Instructional strategies
♦ Multimodal learning environments
♦ Serious games

2011 Publications:


Li Yang
College: Arts & Sciences
Department: Humanities & Communications

Research Areas:
♦ Chinese American studies
♦ Asian studies
♦ Chinese newspaper feature articles (prose)

2011 Publications:


---. "How I Developed the Eastern and Western Civilizations Course". ROTC Grant Conference on Strategic Language Intensive Program (SLIP), Prescott, AZ. 29 June 2011. Conference presentation.


**Michele Zanolin**

**College:** Arts & Sciences  
**Department:** Physics

**Research Areas:**  
- Gravitational waves detection  
- Acoustic sensing

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**2011 Publications:**


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Michele Zanolin (continued)


Hong Zhan
College: Arts & Sciences
Department: Humanities & Communications

Research Areas:
- Integrating technology in language
- Language teaching and learning in virtual environments

2011 Publications:
