Bibliography
of
Publications & Presentations
in 2010

Embry-Riddle
Aeronautical University
Prescott Campus
Community

March 31, 2011

Notes
Quentin G. Bailey

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

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

**2010 Publications:**


Bailey, Quentin, Kostelecký, V.A. and Altschul, B. "Lorentz Violation with an Antisymmetric Tensor." *Physical Review D* 81.6 (2010).


---. "Lorentz-Violating Gravito electromagnetism." *Physical Review D* 82.6 (2010).


Jamie Beatty

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

**Research Areas:**  
- Literacy practices  
- Intercultural communication  
- Creative writing

**2010 Publications:**

Sally Blomstrom

College: Arts & Sciences
Department: Humanities & Communications

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

2010 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

2010 Publications:
Richard W. Bloom (continued)


Leeann Chen
College: Arts & Sciences
Department: Humanities & Communications

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

2010 Publications:

Stacy DeVeau
Department: NASA Educator Resource Center

Research Area:
♦ Science education outreach

2010 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

**2010 Publications:**

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**James Doyle**

College: Engineering  
Department: Electrical & Computer 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

**2010 Publications:**

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James Helbling
College: Engineering
Department: Aerospace & Mechanical Engineering

Research Area:
♦ Structural fatigue life prediction

2010 Publications:

Dorothea Ivanova
College: Aviation
Department: Meteorology

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

2010 Publications:


Curtis James
College: Aviation
Department: Meteorology

Research Areas:
♦ Mesoscale, radar, and mountain meteorology

2010 Publications:

Eileen Landis-Groom
College: Arts & Sciences
Department: Humanities & Communications

Research Areas:
♦ Creative writing
♦ Travel literature
♦ Teaching writing

2010 Publications:
David Lanning

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

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

### 2010 Publications:

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Wahyu Lestari

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

### Research Areas:
- Structural health monitoring
- Composite structures
- Smart materials

### 2010 Publications:

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Wahyu Lestari (continued)


Douglas Magrath

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

**Research Areas:**
- Language teaching methods
- Middle Eastern studies

**2010 Publications:**


Nika Nordbrock

College: Arts & Sciences
Department: Humanities & Communications

Research Areas:
- Cowboy poetry
- Composition
- Diversity

2010 Publications:


Brian Nordstrom

College: Arts & Sciences
Department: Physics

Research Areas:
- Chemical education
- History of science
- Environmental chemistry

2010 Publications:


Edward Poon
College: Arts & Sciences
Department: Mathematics & Computer Science

Research Areas:
♦ Matrix theory
♦ Mathematics

2010 Publications:

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

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

2010 Publications:
Mark Sinclair
College: Aviation
Department: Meteorology

Research Area:
- Synoptic and dynamic meteorology

2010 Publications:

Lance Traub
College: Engineering
Department: Aerospace & Mechanical Engineering

Research Areas:
- Applied and theoretical aerodynamics

2010 Publications:
Stephanie Trombley
College: Arts & Sciences
Department: Global Studies

Research Areas:
- US Foreign Policy of the early Cold war
- Rearmament of the West Germans in the 1950’s
- Status of Forces agreements

2010 Publications:

Hisaya Tsutsui
College: Arts & Sciences
Department: Mathematics & Computer Science

Research Area:
- Ring theory

2010 Publications:
**Bradley Wall**

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

**Research Areas:**  
- Orbital mechanics  
- Optimization

**2010 Publications:**


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**Li Yang**

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

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

**2010 Publications:**


----. "Maya Lin and the Controversy Behind Her Vietnam Veterans Memorial Design (Translation from Original Chinese Title), Part of a Series." *Arizona Chinese Times (Yalisangna Hua bao)*. June, 2010 - September 2010.
Li Yang (continued)


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Hong Zhan

College: Arts & Sciences
Department: Humanities & Communications

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

2010 Publications:

