

**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 and Tso, Rhondale. "Gravitational Lensing and Light Bending as Tests of Lorentz Symmetry." *Fifth Meeting on CPT and Lorentz Symmetry*. June 28-July 2, 2010, Indiana University. Bloomington: World Scientific. 2010.

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

Bailey, Quentin. "Gravity Couplings in the Standard-Model Extension." *Fifth Meeting on CPT and Lorentz Symmetry*. June 28-July 2, 2010, Indiana University. Bloomington: World Scientific. 2010.

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

---. "New Tests of General Relativity." *Matters of Gravity: The Newsletter of the Topical Group on Gravitation of the American Physical Society*, Vol. 36, Fall, 2010.

# Jamie Beatty

**College:** Arts & Sciences

**Department:** Humanities & Communications



## Research Areas:

- ◆ Literacy practices
- ◆ Intercultural communication
- ◆ Creative writing

## 2010 Publications:

Beatty, Jamie and Chen, Leeann. "Challenges of GSIS/Chinese Content Courses." *Second Annual Conference of Project Global Officers*. March 2010. Phoenix: 2010.



# Sally Blomstrom

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



## Research Areas:

- ◆ Service learning
- ◆ Creative problem solving
- ◆ Assessment

## 2010 Publications:

Blomstrom, Sally and Tam, H.W. "Assessing Service Learning in Public Relations to Improve Instruction." *Best Practices in Experiential and Service Learning in Communication*. Eds. D. W. Worley, et al. Dubuque: Great River Technologies, 2010.

Blomstrom, Sally. "Identifying Teacher Effectiveness: Using Student Skill Surveys, Speech Evaluations and Quiz Scores to Inform Instruction." *Communication and Theater Association of Minnesota Journal* 37 (2010): 116-132.



# 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:

Bloom, R. W. "Fear of Flying: Globalization, Security, and Terrorism." *TR News (Transportation Research Board of the National Academies)* July/August 2010.269 (2010): 21-27.

---. "Are You Down with PPP? A Look at Prohibited Personnel Practices in the United States Government." 1st ed. 17 Vol. ERAU-Prescott, Arizona: *International Bulletin of Political Psychology*, 2010. 11 Aug. 2010. <http://security.pr.erau.edu>

---. *Aviation Terrorism* (Interview). *CNN Interview Transcript*. 2010. 6 Jan. 2010. <http://edition.cnn.com/TRANSCRIPTS/1001/06/ec.01.html>

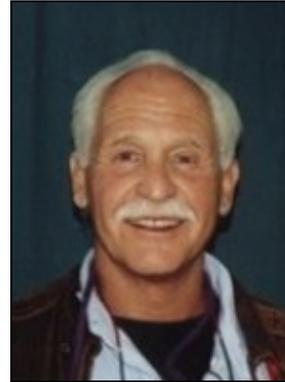
## Richard W. Bloom (continued)

- . *Enhanced Airport Security* (Interview). New Hampshire Public Radio. 2010. 7 Jan. 2010. <http://www.nhpr.org/node/28565>.
- . "The November 2010 Elections: Verification and Nuclear Weapons Reduction." *International Bulletin of Political Psychology*. 12 (17) (2010). 18 Nov. 2010. <http://security.pr.erau.edu>
- . "Psychologists Gone Wild: The Politics of Scientific Psychology." *International Bulletin of Political Psychology*. 6 (16) (2010). 16 June 2010. <http://security.pr.erau.edu>
- . "Truth and Trust: Trek or Trick. Book Review: Deception: From Ancient Empires to Internet Dating." *Psycritiques (American Psychological Association (APA))* 55.7 (2010). <http://www.apa.org/psycritiques>.
- . "Under the Volcano: The Eyjafjallajokull Eruptions, Globalization, and Lessons Learned." *TR News (Transportation Research Board of the National Academies)* July-August 2010.269 (2010): 26-7.
- . "Spy High: The Secret of Secret Russian Agents." *International Bulletin of Political Psychology*. 16 (6) (2010). 7 July 2010. <http://security.pr.erau.edu/>



## David Brandstein

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



### Research Area:

- ◆ Cultural studies
- ◆ American Indian studies
- ◆ Diversity

### 2010 Publications:

Brandstein, David. "Effective Transitions into Higher Education." *National Indian Education Association, 41st Annual Conference*. October 7-10, 2010, San Diego: National Indian Education Association, 2010.



# 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:

Chen, Leeann and Beatty, Jamie. "Challenges of GSIS/Chinese Content Courses." *Second Annual Conference of Project Global Officers*. March 2010, Phoenix: 2010.



# Stacy DeVea

**Department:** NASA Educator Resource Center



## Research Area:

- ◆ Science education outreach

## 2010 Publications:

DeVea, Stacy. "Cosmological Times: Our Evolving Perspective." *Space Exploration Educators' Conference*. February 5, 2010, Johnson Space Center. Houston: 2010.



# 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:

Devereux, Nicholas and Benson, A.J. "The Origin of the Hubble Sequence in  $\Lambda$ CDM Cosmology." *Monthly Notices of the Royal Astronomical Society* 402.2 (2010): 2321-2334.



# 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:

Doyle, James T. et al. System and Method for Providing a Power Controller with Flat Amplitude and Phase Response. National Semiconductor Corporation, assignee. Patent US 7,676,239 B1. 9, March 2010. <http://www.remmos.com/doyle/uspto/7729459.pdf>

---. System and Method for Providing a Robust Ultra Low Power Serial Interface with Digital Clock and Data Recovery Circuit for Power Management Systems. National Semiconductor Corporation, assignee. Patent US 7,729,459 B1. 1 June 2010. <http://www.remmos.com/doyle/uspto/7729459.pdf>

---. High Speed Voltage Regulator with Integrated Loseless Current Sensing. Patent US 2010/0164477 A1. 1 July 2010. <http://www.remmos.com/doyle/uspto/US20100164477.pdf>

# James Helbling

**College:** Engineering

**Department:** Aerospace & Mechanical Engineering



## Research Area:

- ◆ Structural fatigue life prediction

## 2010 Publications:

Helbling, James. "Using Design, Build, Fly Projects to Provide Life Lessons in Engineering." *Proceedings of the 2010 American Society for Engineering Education Pacific Southwest Regional Conference*. April 8 - 10, 2010, Reno: 2010.



# Dorothea Ivanova

**College:** Aviation

**Department:** Meteorology



## Research Areas:

- ◆ Cloud physics
- ◆ Climate variability studies
- ◆ Atmospheric modeling
- ◆ Global and regional climate models

## 2010 Publications:

- Ivanova, Dorothea. "Ice Clouds Parameterizations, Size Distributions (SDs), and Aircraft Icing". *First Southwest Winter Weather Conference (NWS)*. November 18, 2010, Flagstaff: 2010.
- . "Satellite Remote Sensing in the Classroom: Tracking the Onset, Propagation, and Variability of the North American Monsoon". *National Science Foundation (NSF) - On the Cutting Edge Workshop: Using GIS and Remote Sensing to Teach Geoscience in the 21st Century*. August 8-11, 2010, Montana State University. Bozeman: National Science Foundation. 2010.
- . "Ice Clouds Size Distributions (SDs), Ice Water Content (IWC), and their Dependence on Temperature: What thousands of SDs tell us." *Annual ARM-Atmospheric Systems Research (ASR), DOE Science Team Meeting*. March 15-19, 2010. Bethesda. 2010.

# Curtis James

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



## Research Areas:

- ◆ Mesoscale, radar, and mountain meteorology

## 2010 Publications:

James, Curtis, Collins M.K., and Padian, E.J. "WRF EMS Simulation of the Pearl Harbor Day Windstorm." *Southwest Winter Weather Conference*. 18 November 2010, Flagstaff: 2010.

James, Curtis. "In-Flight Convective Weather Avoidance." *Southwest Aviation Weather Safety (SAWS) III Workshop*. April 22, 2010, Phoenix: 2010.



# Eileen Landis-Groom

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



## Research Areas:

- ◆ Creative writing
- ◆ Travel literature
- ◆ Teaching writing

## 2010 Publications:

Landis-Groom, Eileen. "Boundaries: Our Class." *AETA (Arizona English Teachers Association) Conference*. October 25-28, 2010, Phoenix: 2010.

---. "Learning about Horses: Re-Thinking My Teaching." *AETA (Arizona English Teachers Conference)*. October 20, 2010, Mesa: 2010.



# David Lanning

**College:** Engineering

**Department:** Aerospace & Mechanical Engineering



## Research Areas:

- ◆ Fatigue and fracture of engineering materials
- ◆ Foreign object damage
- ◆ Engineering education

## 2010 Publications:

- Lanning, David, Lestari, Wahyu, and Waterhouse, Shirley.  
"Laboratory-Based Course in Aerospace Engineering Failure." *Proceedings of Zone IV, ASEE 2010: Educating Engineers in the Wild West*. March 25-27, 2010. American Society for Engineering Education (ASEE) Zone IV Pacific/Southwest Meeting, Reno: 2010. 313-321.
- . "Unique Undergraduate Laboratory-Based Course in Engineering Failure." *ASEE Annual Conference and Exposition*. June 20-23, 2010, Louisville: 2010.
- . "A Laboratory-Based Undergraduate Course in Engineering Failure." *International Conference on Fatigue Damage of Structural Materials*. September 19-24, 2010, Hyannis: Elsevier. 2010.

# Wahyu Lestari

**College:** Engineering

**Department:** Aerospace & Mechanical Engineering



## Research Areas:

- ◆ Structural health monitoring
- ◆ Composite structures
- ◆ Smart materials

## 2010 Publications:

- Lestari, Wahyu, et al. "Fatigue Damage Identification in Composite Structures through Ultrasonics and Wavelet Transform Signal Processing." *QNDE (Quantitative Nondestructive Evaluation) Conference*. July 10-11, 2010, San Diego. Iowa State University. American Institute of Physics, 2010.
- Lestari, Wahyu, Lanning, David, and Waterhouse, Shirley.  
"Laboratory-Based Course in Aerospace Engineering Failure." *Proceedings of Zone IV, ASEE 2010: Educating Engineers in the Wild West*. March 25-27, 2010. American Society for Engineering Education (ASEE) Zone IV Pacific/Southwest Meeting, Reno: 2010. 313-321.
- . "Unique Undergraduate Laboratory-Based Course in Engineering Failure." *ASEE Annual Conference and Exposition*. June 20-23, 2010, Louisville: 2010.

## Wahyu Lestari (continued)

---. "A Laboratory-Based Undergraduate Course in Engineering Failure." *International Conference on Fatigue Damage of Structural Materials*. September 19-24, 2010, Hyannis: Elsevier. 2010.



## Douglas Magrath

**College:** Arts & Sciences

**Department:** Humanities & Communications



### Research Areas:

- ◆ Language teaching methods
- ◆ Middle Eastern studies

### 2010 Publications:

- Magrath, Douglas. *The Multi-Level Class*. Ed. J. Carmona. Article in book, *Language Teaching and Learning in ESL Education: Current Issues, Collaborations and Practice*. North Carolina: Kona Publishing and Media Group, 2010.
- . "Reading Skills and Culture." *Arizona TESOL (Teaching English to Speakers of other Languages) Newsletter*. Spring, 2010.
- . "Book Review: Ahlan Wa Sahlan. Functional Modern Standard Arabic for Beginners by Mahdi Alish." *2010 Northeast Conference of Teachers of Foreign Languages Review- A Journal for K-16+ Foreign Language Educators*. Spring/ Summer 2010. New York City. 99-103.
- . "The Multilevel ESL Classroom." *Arizona TESOL Annual Meeting Conference*. October 8-9, 2010, Phoenix. Arizona TESOL, 2010.

# Nika Nordbrock

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



## Research Areas:

- ◆ Cowboy poetry
- ◆ Composition
- ◆ Diversity

## 2010 Publications:

- Nordbrock, Anita. "Voice of the Rural West." *40th Annual College English Association National Conference*. March 24-28, 2010, San Antonio. College English Association (CEA), 2010.
- . Presenter, Session Host. *24th Texas Cowboy Poetry Gathering*. February 26-28, 2010, Sul Ross State University, Alpine, Texas: 2010.
- . "Alpine, Texas: 24th Cowboy Poetry Gathering." *Rope Burns Magazine* 24.3 (May - June, 2010).
- . "Cattle, Horses, Sky, and Grass: Cowboy Poetry and Ranching Culture." *Leadership and Community in the Asia Pacific Region: 50th Anniversary EWC/EWCA (East-West Center Association) International Conference*: July 2-5, 2010, Honolulu. East-West Center Association, 2010.
- . "Ropin' the Future: 23rd Arizona Cowboy Poets Gathering." *Rope Burns Magazine* 25.4 (September-October, 2010).
- . Photos in *Rope Burns Magazine* for "Alpine Texas: 24th Cowboy Poetry Gathering." Alpine: 2010.

# Brian Nordstrom

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



## Research Areas:

- ◆ Chemical education
- ◆ History of science
- ◆ Environmental chemistry

## 2010 Publications:

- Nordstrom, Brian and Halka, M. *Periodic Table of the Elements: Alkali & Alkaline Earth Elements*. New York: Facts on File, 2010. 172 pages.
- . *Periodic Table of the Elements: Halogens & Noble Gases*. New York: Facts on File, 2010. 157 pages.
- . *Periodic Table of the Elements: Metals & Metalloids*. New York: Facts on File, 2010. 158 pages.
- . *Periodic Table of the Elements: Nonmetals*. New York: Facts on File, 2010. 187 pages.



# Edward Poon

**College:** Arts & Sciences

**Department:** Mathematics & Computer Science



## Research Areas:

- ◆ Matrix theory
- ◆ Mathematics

## 2010 Publications:

Poon, Edward, Hirano, Y.I. and Tsutsui, Hisaya. "Fully Weakly Prime." *Proceedings of the 42nd Symposium on Ring and Representation Theory*. January, 2010, Tsukuba, Japan. 2010.

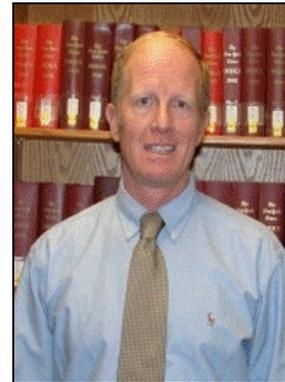
---. "On Rings in which Every Ideal is Weakly Prime." *Bulletin of the Korean Mathematical Society* 47.5 (2010): 1077-1087.



# John (Ed) Post

**College:** Engineering

**Department:** Electrical & Computer Engineering



## Research Areas:

- ◆ Planar microwave circuits and devices
- ◆ Engineering education

## 2010 Publications:

Post, John E. "On Maximizing the Tuning Range of SA/NE 602 I.C. Colpitts Oscillators." *QEX* (National Association for Amateur Radio) (2010).



# Mark Sinclair

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



## Research Area:

- ◆ Synoptic and dynamic meteorology

## 2010 Publications:

Sinclair, Mark. "Distribution of Winter Orographic Precipitation Over Northern Arizona." *Southwest Winter Weather Conference*. November 18, 2010, Flagstaff: 2010.



# Lance Traub

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



## Research Areas:

- ◆ Applied and theoretical aerodynamics

## 2010 Publications:

Traub, Lance and Jaybush, L. "An Experimental Investigation of Separation Control Using Upper Surface Spoilers." *Journal of Aircraft* 47.2 (2010): 714-718.

Traub, Lance and Kadapala, S. "Low Reynolds Number." *Journal of Aircraft* 47.4 (2010): 1399-1408.

Traub, Lance, Snyder, W.R. and Pellino, T. "Preliminary Experimental Investigation of a Morphable Biplane: The X-Wing." *Journal of Aircraft* 47.3 (2010): 1068-1073.

Traub, Lance, Toro, W.K. and Nix, T. "Experimental Investigation of Double-Hinged Vortex Flap Configurations." *Journal of Aircraft* 47.4 (2010): 1435-1439.

Traub, Lance. "Airfoil Lift Augmentation at Low Reynolds Number." *Journal of Aircraft* 47.6 (2010): 2103-2114.

# 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:

Trombley, Stephanie. Panelist, "Balancing Acts: Twentieth Century Democracies and Respect for the Rule of Law." "Our Boys: The First Status of Forces Treaties and the Problem of Jurisdiction." *American Society for Legal History Annual Meeting*. November 18-21, 2010, Philadelphia. American Society for Legal History. 2010.



# Hisaya Tsutsui

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



## Research Area:

- ◆ Ring theory

## 2010 Publications:

Tsutsui, Hisaya, Hirano, Y. and Poon, Ed. "Fully Weakly Prime". *Proceedings of the 42nd Symposium on Ring and Representation Theory*. January 2010. Tsukuba, Japan. 2010.  
---. "On Rings in which Every Ideal is Weakly Prime." *Bulletin of the Korean Mathematical Society* 47.5 (2010): 1077-1087.



# Bradley Wall

**College:** Engineering

**Department:** Aerospace & Mechanical Engineering



## Research Areas:

- ◆ Orbital mechanics
- ◆ Optimization

## 2010 Publications:

Wall, Bradley, Pols, B. and Lanktree, B. "Shape-Based Approximation Method for Low-Thrust Interception and Rendezvous Trajectory Design." *AIAA/AAS Spaceflight Mechanics Conference*. February 14-17, 2010, San Diego, CA. American Astronautical Society and American Institute of Aeronautics and Astronautics, 2010.



# Li Yang

**College:** Arts & Sciences

**Department:** Humanities & Communications



## Research Areas:

- ◆ Chinese American studies
- ◆ Asian studies
- ◆ Chinese newspaper feature articles (prose)

## 2010 Publications:

- Yang, Li. "In Search of a Homeland: The Transnational Journey of Lai Ngan and Her Family Across the U.S.-Mexican Border." *First Annual Symposium on Chinese American Immigrant History in Southern Arizona*. September 25, 2010, Tucson: 2010.
- . "Lee Wee Kwon Chinese Grocer (in Chinese)." *Zhuanji Wenxue (Biographical Literature)*. 576 (May, 2010).
- . "Lee Wee Kwon: Chinese Grocer in Tucson, 1917-1965." *The Journal of Arizona History*. 51.1. (2010).
- . "The Lifelong Journey of Lai Ngan: Sojourning and Settlement (Translated into English from Chinese Original)." *Zhuanji Wenxue (Biographical Literature)*. 586. September, 2010.
- . "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)

- . "The Vicissitudes of Tucson's Chinatowns." *Lucie* 575 (April 2010).
- . *We Served with Pride: The Chinese-American WWII Veterans in Tucson*. Trans. L. Yang. Photo Exhibit, Content Researcher and developer. Tucson Chinese Cultural Center, Summer, 2010.



## Hong Zhan

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



### Research Areas:

- ◆ Integrating technology in language
- ◆ Language teaching and learning in virtual environments

### 2010 Publications:

- Zhan, Hong, Cheng, H-J, and Chen, X. "Using Virtual Reality Space in Training Mandarin Pre-Service Teachers: An Innovative Method." *Chung Yuan Journal of Teaching Chinese as a Second Language* 5 (2010): 157-177.
- Zhan, Hong, Cheng, H-J. and Tsai, A. "Integrating Second Life into a Chinese Language Teacher Training Program: A Pilot Study." *Journal of Technology and Chinese Language Teaching* 1.1 (2010).
- Zhan, Hong and Wang, S. "Enhancing Teaching and Learning with Digital Storytelling." *The International Journal of Information Communication and Technology Education (IJICTE)* 6.2 (2010).

## Hong Zhan (continued)

Zhan, Hong. "A Cyber-Collaboration Model to Promote Teaching and Learning Mandarin Chinese in Second Life -- A Pilot Study." *Association for Educational Communications and Technology (AECT)*. October 26-30, 2010, Anaheim, California. Association for Educational Communications and Technology: Bloomington (2010).

---. "Student Perspectives of Learning Chinese in SL (Second Life)." *American Council on the Teaching of Foreign Languages (ACTFL), Annual Convention & World Languages Expo: Gateway to Global Communities*. November 19, 2010. Boston: 2010.



## Notes



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