

Bibliography of Publications & Presentations in 2009

*Embry-Riddle
Aeronautical University
Prescott Campus
Community*



April 8, 2010

Notes



Quentin G. Bailey

College: Arts & Sciences
Department: Space Physics



Research Area:

- ♦ Theoretical and experimental aspects of testing special and general relativity

2009 Publications:

- Bailey, Q. G. (2009). Time-delay and Doppler tests of the Lorentz symmetry of gravity. *Physical Review D*, 80, 044004.
- Bailey, Q. G. (2009 July). Catching relativity violations with atoms. *Physics*, 2, 58.
- Bailey, Q. G. (2009 May). Lorentz violation and gravity. *International Astronomical Union (IAU) Symposium 261: Relativity in Fundamental Astronomy*, Virginia Beach, VA.



Sally Blomstrom

College: Arts & Sciences
Department: Humanities & Communications



Research Areas:

- ♦ Service learning
- ♦ Creative problem solving
- ♦ Assessment

2009 Publications:

- Blomstrom, S. A., & Kirsch, K. A. (2009 November). Research in progress communicating STEM. *National Communication Association Annual Conference*, Chicago, IL.
- Blomstrom, S. A., Kirsch, K. A., & Thompson, K. (2009 March). Active learning toolbox: An exchange of ideas that work. *Lilly West Conference on the Scholarship of Teaching and Learning*, Pomona, CA.
- Blomstrom, S. A., & Tam, H. W. (2009 June). How and to what extent does a service-learning pedagogy enhance communication and collaboration skill learning among first-year students? *American Society for Engineering Education Conference*, Austin, TX.
- Blomstrom, S. A., & Tam, H. W. (2009 November). Assessment of the basic speech course: Comparing service-learning with the other pedagogies. *National Communication Association Annual Conference*, Chicago, IL.

Sally Blomstrom (continued)

Blomstrom, S. A., Tam, H. W., Hansen, G., & Robinson, P. (2009 June). Entrepreneurship program assessment by student outcome. *American Society for Engineering Education Conference*, Austin, TX.



Richard W. Bloom

Chief Academic Officer



Research Areas:

- ♦ Aviation intelligence and security systems
 - ♦ Profiling
 - ♦ Terrorism, antiterrorism, and counterterrorism
 - ♦ Threat, vulnerability, and risk assessment
 - ♦ Intelligence collection and analysis, covert action, and counterintelligence
 - ♦ Personnel security
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- ♦ 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

2009 Publications:

- Bloom, R. W. (2009). Are we too conflicted to understand conflict? Review of *Understanding Conflict and Conflict Analysis*. *PsycCRITIQUES*, 54(14).
- Bloom, R. W. (2009). Assessing the dark side. Review of *The Evaluation of Child Sexual Abuse Allegations: A Comprehensive Guide to Assessment and Testimony*. *PsycCRITIQUES*, 54(29).
- Bloom, R. W. (2009). Biography from the bully pulpit. Review of *Richard Rorty: The Making of an American Philosopher*. *PsycCRITIQUES*, 54(23).

Richard W. Bloom (continued)

Bloom, R. W. (2009 February 23). A government primer: What good people should know about detecting bad people. *Government Security News*.

Bloom, R. W. (2009 January). The November 2008 Mumbai terrorist attacks: Lessons learned for homeland security. *Meeting of the Arizona Federation of Republican Women*, Prescott, AZ.

Bloom, R. W. (2009 January). Panel on contemporary issues in aviation security. *Annual Meeting of the Transportation Research Board*, Washington, DC.

Bloom, R. W. (2009, December 28). Terrorism: How should the U.S. fight air security threats? [Newsgroup message]. Retrieved from PBS Newshour: http://www.pbs.org/newshour/updates/terrorism/july-dec09/airsecurity_12-28.html

Bloom, R. W. (2009, December 28). There's no single security 'hole'. [Web log post]. Retrieved from NY Times - Room for Debate Blog: <http://roomfordebate.blogs.nytimes.com/>



Stacy DeVeau

College: Arts & Sciences

Department: NASA Educator Resource Center



Research Area:

- ♦ Science education outreach

2009 Publications:

DeVeau, S. (2009 December). Using NASA data in the classroom. *National Science Teachers Association Area Conference*, Phoenix, AZ.



Erica Diels

College: Aviation
Department: Flight Training



Research Areas:

- ♦ Ethics
- ♦ Moral development
- ♦ Aviation

2009 Publications:

Diels, E., Northam, G. J., & Peacock, B. (2009). Moral development in pilot populations. *International Journal of Applied Aviation Studies*, 9(1).



Javad Gorjidooz

College: Arts & Sciences
Department: Aviation Business Administration



Research Areas:

- ♦ Aviation finance
- ♦ International business and economics

2009 Publications:

Gorjidooz, J. (2009 January). Trade liberalization, privatization, and direct foreign investment. *2009 Inaugural Vietnam Faculty Development and Research in International Business*, Ho Chi Minh City & Hanoi, Vietnam.

Gorjidooz, J., & Vasigh, B. (2009 June). Determination of statewide economic benefits of civil and commercial airports in Arizona. *Air Transport Research Society World Conference*, Abu Dhabi, UAE.

Gorjidooz, J., & Vasigh, B. (2009 March). The maquiladora industry: Recent downturn and future prospects. *International Business and Economics Research Journal*, 8 (3), 47.

Peter Grey

College: Aviation
Department: Flight Line



Research Area:

- ♦ Meteorology – monsoon research

2009 Publications:

Grey, P., James, C. N., & Ivanova, D. (2009 January). Structure and evolution of the North American monsoon in Arizona: Observational and modeling study. *21st Conference on Climate Variability and Change, 89th American Meteorological Society Annual Meeting*, Phoenix, AZ.



James Helbling

College: Engineering
Department: Aerospace & Mechanical Engineering



Research Area:

- ♦ Structural fatigue life prediction

2009 Publications:

Helbling, J. (2009 March). Integrating design application and communication skills into senior design. *2009 American Society for Engineering Education Pacific Southwest Region Annual Conference*, San Diego, CA.



Dorothea Ivanova

College: Aviation
Department: Meteorology



Research Areas:

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

2009 Publications:

Ivanova, D., James, C. N., & Grey, P. (2009 January). Structure and evolution of the North American monsoon in Arizona: Observational and modeling study. *21st Conference on Climate Variability and Change, 89th American Meteorological Society Annual Meeting*, Phoenix, AZ.

Ivanova, D., & Parsons, K. (2009 January). Embry-Riddle Aeronautical University McNair scholars program, students' learning, and their future career in meteorology. *18th Symposium on Education, 89th American Meteorological Society Annual Meeting*, Phoenix, AZ.



Curtis N. James

College: Aviation
Department: Meteorology



Research Area:

- ♦ Mesoscale, radar, and mountain meteorology

2009 Publications:

James, C. N. (2009 October). Proper weather radar interpretation. *2009 Malibu Mirage Owners and Pilots Association Convention*, Scottsdale, AZ.

James, C. N., Grey, P., & Ivanova, D. (2009 January). Structure and evolution of the North American monsoon in Arizona: Observational and modeling study. *21st Conference on Climate Variability and Change, 89th American Meteorological Society Annual Meeting*, Phoenix, AZ.



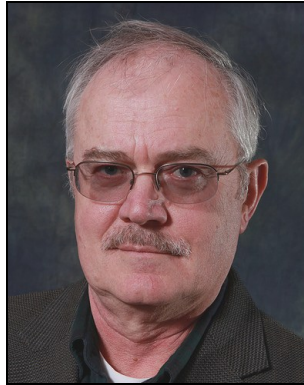
Philip Jones

College: Arts & Sciences

Department: Global Security & Intelligence Studies

Research Areas:

- ♦ Military, political, and cultural studies of the southwest Asia region



2009 Publications:

Jones, P. (2009 October). Insurgency and revolution: Pakistan's crisis of state. *South Asia Studies Conference*, Madison, WI.



Eileen Landis-Groom

College: Arts & Sciences

Department: Humanities & Communications

Research Areas:

- ♦ Creative writing
- ♦ Travel literature
- ♦ Teaching writing



2009 Publications:

Landis-Groom, E. (2009 October). A matter of discoveries. *Arizona English Teachers Association Conference*, Phoenix, AZ.



David Lanning

College: Engineering

Department: Aerospace & Mechanical Engineering



Research Areas:

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

2009 Publications:

Lanning, D. (2009 March). Prerequisite skills testing as an indicator of student retention. *Pacific Southwest Regional American Society for Engineering Education Meeting*, San Diego, CA.



Nancy Lawrence

College: Aviation

Department: Safety Science



Research Areas:

- ♦ Industrial hygiene
- ♦ Occupational safety and health

2009 Publications:

Lawrence, N. F., & Turrentine, A. (2009 Spring). Examination of noise hazards for employees in bar environments. *Journal of Safety, Health and Environmental Research*, 6(1).



Nika Nordbrock

College: Arts & Sciences

Department: Humanities & Communications

Research Areas:

- ♦ Cowboy poetry
- ♦ Composition
- ♦ Diversity



2009 Publications:

Nordbrock, A. C. (2009 August). The ORO Ranch: Historic ranch of Yavapai County. *22nd Annual Arizona Cowboy Poets Gathering*, Prescott, AZ.

Nordbrock, A. C. (2009 August 14-15). Ropin' the future. *22nd Annual Arizona Cowboy Poetry Gathering*, Prescott, AZ.

Nordbrock, A. C. (2009 February). Why do cowboys write poetry? *22nd Annual Texas Cowboy Poetry Gathering*, Alpine, TX.

Nordbrock, A. C. (2009 February 6). Poetry for kids. *Cowboy Poetry in the Schools Program*, Sierra Vista, AZ.



Nika Nordbrock (continued)

Nordbrock, A. C. (2009 February 6-8). Territorial ranches: Settling the Arizona Territory. *17th Annual Cochise Cowboy Poetry and Music Gathering*, Sierra Vista, AZ.

Nordbrock, A. C. (2009 March). Roundup time or cowboy poetry in three versions. *39th Annual College English Association Conference*, Pittsburgh, PA.

Nordbrock, A. C. (2009 November 21). Trappings. *9th Annual Flagstaff Cowboy Poetry Gathering*, Flagstaff, AZ.

Nordbrock, A. C. (2009 October). Cattle, horses, sky and grass. *Rocky Mountain Modern Language Association*, Snowbird, UT.



Gary Northam

College: Aviation
Department: Safety Science



Research Areas:

- ♦ Professional ethics
- ♦ Aviation safety

2009 Publications:

Northam, G. J., Diels, E., & Peacock, B. (2009). Moral development in pilot populations. *International Journal of Applied Aviation Studies*, 9(1).



Kenneth Parsons

College: Aviation
Department: Meteorology



Research Areas:

- ♦ (Scientifically) development of extratropical cyclones and (educationally) value of new teaching methodologies, especially written research projects to student learning

2009 Publications:

Parsons, K., & Ivanova, D. (2009 January). Embry-Riddle Aeronautical University McNair scholars program, students' learning, and their future career in meteorology. *18th Symposium on Education, 89th American Meteorological Society Annual Meeting*, Phoenix, AZ.



John (Ed) Post

College: Engineering

Department: Electrical & Computer Engineering

Research Areas:

- ♦ Planar microwave circuits and devices
- ♦ Engineering education



2009 Publications:

Post, J. E. (2009 July). Introduction to heat sink selection and installation. *Nuts & Volts*, pages 56-59.

Post, J. E. (2009 May). A universal direct conversion receiver for PSK-31. *Nuts & Volts (Online Edition)*, pages 1-5.



Sabrina Ricks

Department: Records Office, Prescott

Research Areas:

- ♦ International education
- ♦ General education criteria
- ♦ Academic rigor ascension



2009 Publications:

Ricks, S. (2009 April). Student success: Perspectives on the admission of three-year degree graduates to post-graduate study in the US. *American Association of Collegiate Registrars and Admissions Officers National Conference*, Chicago, IL.



Mark Sinclair

College: Aviation
Department: Meteorology

Research Area:

- ♦ Synoptic and dynamic meteorology



2009 Publications:

Sinclair, M. (2009). Review of *Tropical Cyclones: Climatology and Impacts in the South Pacific* by James P. Terry. *Bulletin of the American Meteorological Society*, 90.



William Waldock

College: Aviation
Department: Safety Science

Research Area:

- ♦ Aircraft crashworthiness and survivability



2009 Publications:

Waldock, W. D. (2009 April). Aircraft accidents and emergency response. *Arizona Emergency Services Association*, Prescott, AZ.

Waldock, W. D. (2009 March). The influence of maintenance on aviation safety. *FAA-Sponsored Greater Southwest Maintenance and Safety Symposium*, Williams Field, AZ.

Waldock, W. D. (2009 May). The crash of Air France Flight 447. *Prescott Rotary Club's Annual Awards Luncheon*, Prescott, AZ.



Bradley Wall

College: Engineering

Department: Aerospace & Mechanical Engineering



Research Areas:

- ♦ Orbital mechanics
- ♦ Optimization

2009 Publications:

- Wall, B. (2009). Shape-based approach to low-thrust rendezvous trajectory design. *Journal of Guidance, Control, and Dynamics*, 32(1), 95.
- Wall, B., Conway, B., Englander, J., Ghosh, A., & Martin, C. (2009 August). Method and solution for the 2009 Global Trajectory Optimization Contest. *American Astronautical Society Spaceflight Mechanics Meeting*, Pittsburgh, PA.



Hong Zhan

College: Arts & Sciences

Department: Humanities & Communications



Research Areas:

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

2009 Publications:

- Zhan, H. (2009 April). Using blogs to enhance teaching and learning Mandarin Chinese. *Annual International Conference of the Chinese and American Educational Research and Development Association*, San Diego, CA.
- Zhan, H. (2009 October). Collaborative learning: A way to transform learning and instruction in online courses. *Association for Educational Communications and Technology Annual Conference*, Louisville, KY.

