

Bibliography of Publications & Presentations in 2013

*Embry-Riddle
Aeronautical University
Prescott Campus
Community*

March 20, 2014

Quentin G. Bailey

College: Arts & Sciences

Department: Physics



Research Area:

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

2013 Publications:

Bailey, Quentin G., Ryan D. Everett, and James M.

Overduin. "Limits on Violations of Lorentz Symmetry from Gravity Probe B ." *Physical Review D* 88 (2013): 102001.

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



2013 Publications:

Beck, A., and J. Helbling. "Ethics in Engineering: Preparing our Students to Meet Societal Obligations." *ASEE/PSW Conference*. March, University of California, Riverside. 2013.

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



2013 Publications:

Bloom, R. W. "Can Problem Solving Courts Solve?" [Review of the Book Problem Solving Courts: Social Science and Legal Perspectives]. *PsycCRITIQUES* 58.49 (2013).

Bloom, R. W., J. Kirk-Moyer, and N. Wrona. "Emergency Management and Business Continuity with Commercial Aviation." *TR NEWS* 287 (2013): 30-1.

Dr. Bloom (continued)

- Bloom, R. W. "La Petite Madeleine is Not so Petite." [Review of the Film the Perks of being a Wallflower]. *PsycCRITIQUES* 58.30 (2013).
- . *Foundations of Psychological Profiling: Terrorism, Espionage, and Deception*. CRC Press, 2013.
- . "That was no Rabbit; That was My Life." [Review of the Film Seven Psychopaths]. *PsycCRITIQUES* 58.13 (2013).
- . "When Gravity Shall Set You Free." [Review of the Film *Gravity*]. *PsycCRITIQUES* 58.47 (2013).

Brent Bowen

College: Aviation, Dean
Department: Aeronautical Science



Research Area:

- ◆ Measurement of airline operational performance and quality
- ◆ Collegiate aviation education and scholarship
- ◆ Research methods in aviation

2013 Publications:

- Bowen, B. D., et al. "A Longitudinal Examination of Air Carrier Performance during 2007 through 2011." *17th Air Transport Research Society World Conference*. Bergamo, Italy. 2013.
- Bowen, B. D., E. E. Bowen, and D. E. Headley. "Development of a Model of Airline Consumer Satisfaction." *Proceedings of the MBAA International Conference*. Chicago, IL. 2013.
- Bowen, B. D., et al. "Modeling Organizational Performance: Differentiating Factors in Economic Periods Prior, During, and Post Recession." *Proceedings of the MBAA International Conference*. Chicago, IL. 2013.

Brent Bowen (continued)

2013 Publications:

Bowen, B. D., and D. E. Headley. "Airline Quality Rating 2013." *Airline Quality Rating Report* (2013).

Bowen, B., C. Wildt, and E. E. Bowen. "Giving a Face to Airline Customer Satisfaction: A Graphic Approach." *17th International Symposium on Aviation Psychology*. Dayton, OH. 2013.

Erin Bowen

College: Arts & Sciences
Department: Safety Science



Research Area:

- ◆ Industrial Psychology and Safety
- ◆ Aviation Psychology
- ◆ Safety culture
- ◆ Statistical research methodological assessment methods in safety

2013 Publications:

Bowen, E. E., et al. "A Longitudinal Examination of Air Carrier Performance during 2007 through 2011." *17th Air Transport Research Society World Conference*. Bergamo, Italy. 2013.

Bowen, E. E., B. D. Bowen, and D. E. Headley. "Development of a Model of Airline Consumer Satisfaction." *Proceedings of the MBAA International Conference*. Chicago, IL. 2013.

Bowen, E. E., et al. "Modeling Organizational Performance: Differentiating Factors in Economic Periods Prior, During, and Post Recession." *Proceedings of the MBAA International Conference*. Chicago, IL. 2013.

Erin Bowen (continued)

2013 Publications:

Bowen, E. E., et al. "Able Flight: Increasing Aviation Opportunities for People with Disabilities." *Proceedings of the 17th International Symposium on Aviation Psychology*. Dayton, OH. 2013.

Bowen, E. E., C. Wildt, and B. Bowen. "Giving a Face to Airline Customer Satisfaction: A Graphic Approach." *17th International Symposium on Aviation Psychology*. Dayton, OH. 2013.

Bowen, E. E. "Predicting Impact of Maintenance Resource Management Training Utilizing Individual Difference Variables." *Journal of Aviation/Aerospace Education and Research* 22.3 (2013): 9-17.

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

2013 Publications:

Chen, Leeann, and Phil Jones. "Developing a 4-Year Chinese Program at a Technical University." *Chinese Education Forum*. October, San Francisco. 2013.

Jack Crabtree

College: Engineering
Department: Electrical Engineering

Research Areas:

- ♦ Electrical and Computer Engineering



2013 Publications:

Crabtree, J., and D. R. Isenberg. "Analysis of Post-Balloon Burst Gondola Collisions." *AIAA Balloon Systems Technology Conference*. Daytona Beach, FL. 2013.

Nick Devereux

College: Arts & Sciences
Department: Astronomy

Research Areas:

- ♦ Astronomy



2013 Publications:

Devereux, Nick, and Emily Heaton. "The Broad Line Region in NGC4051: An Inflow Illuminated by a 10^5 K Accretion Disk." *The Astrophysical Journal* 773.2 (2013).

Devereux, Nick. "The Size, Structure, and Ionization of the Broad-Line Region in NGC 3227." *The Astrophysical Journal* 764.1 (2013).

Thomas Field

College: Security and Intelligence

Research Areas:

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



2013 Publications:

- Field, Thomas. "Disciplining Labor: U.S. Covert Operations and the AFL-CIO's Cold War in Bolivia, 1962-1964". *Rocky Mountain Council on Latin American Studies*. April 4, Santa Fe, NM. 2013.
- . "Joint Review of *the Bolivian Revolution and the United States, 1952 to the Present* by James F. Siekmeier; and *the Truman Administration and Bolivia: Making the World Safe for Liberal Constitutional Oligarchy* by Glenn J. Dorn." *Diplomatic and International History Discussion Network [H-Diplo]* 27 May (2013).

Thomas Field (continued)

2013 Publications:

- . "Labor, Housewives, and the CIA: The 1963 Hostage Crisis at Bolivia's Siglo XX Mining Camp". *Conference on Latin American History*. January 5, New Orleans, LA. 2013.
- . "Review of *Talk at the Brink: Deliberation and Decision during the Cuban Missile Crisis*, by David R. Gibson." *Journal of American Studies* 47. Special Issue 4 (2013): E115.

Iacopo Gentilini

College: Engineering
Department: Aerospace and Mechanical

Research Areas:

- ♦ Robotics



2012 Publications:

Gentilini, I., K. Nagamatsu, and K. Shimada. "Cycle Time Based Multi-Goal Path Optimization for Redundant Robotic Systems." *Intelligent Robots and Systems (IROS), 2013 IEEE/RSJ International Conference on Intelligent Robots and Systems*. Tokyo, Japan. 2013.

Javad Gorjidooz

College: Arts & Sciences
Department: Business

Research Areas:

- ♦ Economic Impact Analysis & Pilot Shortages



2013 Publications:

Gorjidooz, J., and C. Greenman. "Marital Status, Religiosity, and Experience as a Predictor of Ethical Awareness among Accounting Professionals." *The Clute Institute International Academic Conference*. 9 - 11 June, Paris, France. 2013.

Gorjidooz, J., and B. Vasigh. "Commercial Pilot Shortages and the Sustainability of the Air Transport Safety System." *9th International Conference on Environmental, Cultural, Economic and Social Sustainability*. January, Hiroshima, Japan. 2013.

Melissa Gottwald

College: Arts & Sciences
Department: Safety Science

Research Areas:

- ♦ Archives
- ♦ Aviation History



2013 Publications:

Gottwald, Melissa. "Service, Savings, and Safety: Jerome Lederer's "Ounce of Prevention" for Aviation." *Accidents and Emergencies: Risk, Welfare and Safety in Europe and North America, c. 1750-2000*. 9-11 September, Oxford, UK. 2013.

Cindy Greenman

College: Arts & Science
Department: Business

Research Area:

- ♦ Accounting ethics



2013 Publications:

Greenman, C., and J. Gorjidoz. "Marital Status, Religiosity, and Experience as a Predictor of Ethical Awareness among Accounting Professionals." *The Clute Institute International Academic Conference*. 9 -11 June, Paris, France. 2013.

Greenman, Cindy, Sylvia Tang, and George Young. "The Future of Internet Education - Fraud Examination Training Via MOOCs." *Fraud Magazine* 28.5 (2013): 12-14.

Andri Gretarsson

College: Arts & Sciences

Department: Physics

Research Areas:

- ♦ LIGO Project: Gravitational waves



2013 Publications:

- Gretarsson, A. M., et al. "Einstein@Home all-Sky Search for Periodic Gravitational Waves in LIGO S5 Data." *Physical Review D - Particles, Fields, Gravitation and Cosmology* 87.4 (2013).
- Gretarsson, A. M., et al. "Parameter Estimation for Compact Binary Coalescence Signals with the First Generation Gravitational-Wave Detector Network." *Physical Review D - Particles, Fields, Gravitation and Cosmology* 88.6 (2013).

Andri Gretarsson (continued)

2013 Publications:

- Gretarsson, A. M., et al. "Search for Gravitational Waves from Binary Black Hole Inspiral, Merger, and Ringdown in LIGO-Virgo Data from 2009-2010." *Physical Review D - Particles, Fields, Gravitation and Cosmology* 87.2 (2013).
- Gretarsson, A. M., et al. "Enhanced Sensitivity of the LIGO Gravitational Wave Detector by using Squeezed States of Light." *Nature Photonics* 7.8 (2013): 613-9.
- Gretarsson, A. M., et al. "Directed Search for Continuous Gravitational Waves from the Galactic Center." *Physical Review D - Particles, Fields, Gravitation and Cosmology* 88.10 (2013).
- Gretarsson, A. M., et al. "A First Search for Coincident Gravitational Waves and High Energy Neutrinos using LIGO, Virgo and ANTARES Data from 2007." *Journal of Cosmology and Astroparticle Physics* 2013.6 (2013): 1-39.

Jon Haass

College: Security & Intelligence

Research Areas:

- ♦ Cyber Security: Securing the Internet of Things



2013 Publications:

Haass, Jon C. "China - the Cyber-Intelligence Threat ". *9th Annual Symposium Global Security and Intelligence*. Embry-Riddle Aeronautical University, Prescott, AZ. November, 2013.

---. "Cyber Security Work Force for the Future." *2013 National Transportation Hazards & Security Summit*. Beckman Conference Center, UC Irvine. 2013.

Shigeo Hayashibara

College: Engineering

Department: Aerospace & Mechanical Engineering

Research Areas:

- ♦ Computational Fluid Dynamics and High Performance Parallel Computation Architecture



2013 Publications:

Hayashibara, S., R. Y. Myose, and F. Kok. "Effect of Solidity on the Generation of Entropy in a Low Reynolds Number Compressor Cascade." *2013 Aviation Technology, Integration, and Operations Conference*. Los Angeles, CA.

Elizabeth Heinz

College: Arts & Science
Department: Humanities & Communications

Research Areas:

- ♦ Creative therapies for the treatment of substance abusers



2013 Publications:

Heinz, Elizabeth. "Where Have I Been? Where Am I Going?" *Addiction Counseling: Approaching Psycho-Education with Creativity*. Ed. E. M. Honderich. Virginia Association of Counselor Education and Supervision [VACES], 2013. 19.

James Helbling

College: Engineering
Department: Aerospace & Mechanical Engineering

Research Areas:

- ♦ Structural fatigue life prediction



2013 Publications:

Helbling, J., and A. Beck. "Ethics in Engineering: Preparing our Students to Meet Societal Obligations." *ASEE/PSW Conference*. March, University of California, Riverside. 2013.

Douglas Isenberg

College: Engineering

Department: Aerospace & Mechanical Engineering

Research Areas:

- ◆ Dynamics and control with applications in space robotics



2013 Publications:

Isenberg, D. R., and J. Crabtree. "Analysis of Post-Balloon Burst Gondola Collisions." *AIAA Balloon Systems Technology Conference*. Daytona Beach, FL. 2013.

Isenberg, D. R., et al. "Validation Results of Pressure Independent First-Order Thermal Models of High-Altitude Balloon Gondolas." *4th Annual Academic High-Altitude Conference*. Upland, IN. 2013.

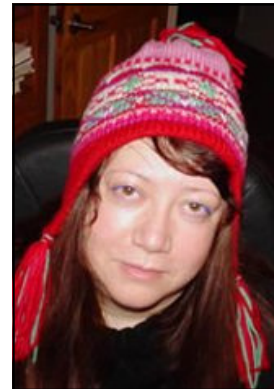
Dorothea Ivanova

College: Aviation

Department: Meteorology

Research Areas:

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



2013 Publications:

Ivanova, D., E. Erfani, and D. L. Mitchell. "A Mechanistic Understanding of the Evolution of the North American Monsoon." *ARM/ASR, Department of Energy 2013 Annual Science Team Meeting*. March 18-21, Potomac, Maryland. 2013.

Ivanova, D., and E. Matthews. "The Tale of Two Flash Floods: WRF Modeling of Two Heavy Precipitation Event." *ERAU Discovery Day 2013*. April, Prescott, AZ. 2013.

Dorothea Ivanova (continued)

Ivanova, D., and C. R. Mihuc. "WRF Modeling of the Monsoon during the North American Monsoon Experience." *ERAU Discovery Day 2013*. April, Prescott, AZ. 2013.

Ivanova, D., and C. R. Mihuc. "The North American Monsoon Experiment: 2004." *NASA Space Grant Student Conference*. April, Phoenix, AZ. 2013.

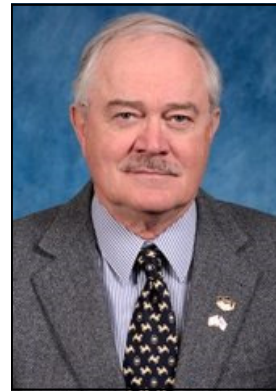
Ivanova, D., and D. L. Mitchell. "The North American Monsoon: Implications from WRF Modeling." *ARM/ASR, Department of Energy 2013 Annual Science Team Meeting*. March 18-21, Potomac, Maryland. 2013.

---. "The North American Monsoon: WRF Modeling." *2013 American Meteorological Society Meeting*. January 6-10, Austin, TX. 2013.

Ivanova, D. "Teaching Atmospheric Dynamics Classes with Unidata Tools: Visualizations." *2013 American Meteorological Society Meeting*. January 6-10, Austin, TX. 2013.

Philip Jones

College: Security & Intelligence, Dean



Research Areas:

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

2013 Publications:

Jones, Phil, and Leeann Chen. "Developing a 4-Year Chinese Program at a Technical University." *Chinese Education Forum*. October, San Francisco. 2013.

Eileen Landis-Groom

College: Arts & Sciences

Department: Humanities & Communications

Research Areas:

- ♦ Teaching writing and literature
- ♦ Creative writing



2013 Publications:

Landis-Groom, Eileen E. "Developing a Writing and Humanities Course Revolving Around Well Written Nonfiction about Animals." *Arizona English Bulletin*, Fall, (2013).

David Lanning

College: Engineering

Department: Aerospace & Mechanical Engineering

Research Areas:

- ♦ Fatigue and fracture of aerospace materials
- ♦ Engineering education



2013 Publications:

Lanning, David. "Analysis of Aerospace Engineering Students Who Repeat Degree Requirements." *Pacific Southwest 2013 Regional ASEE Conference*. April 18 - 20, University of California Riverside, CA. 2013.

Wahyu Lestari

College: Engineering

Department: Aerospace & Mechanical Engineering

Research Areas:

- ♦ Structural Health Monitoring
- ♦ Advanced Composite Materials



2013 Publications:

Lestari, Wahyu, et al. "Experimental Study on the Thermo-Mechanical Behavior of Spray-on Nanocomposite Sensors." *ASME 2013 International Mechanical Engineering Congress and Exposition*. November, San Diego, CA. 2013.

Nika Nordbrock

College: Arts & Sciences

Department: Humanities & Communications

Research Areas:

- ♦ Cowboy poetry
- ♦ Composition
- ♦ Diversity



2013 Publications:

Nordbrock, Anita C. "11th Annual Riding the Rim Cowboy Poets Gathering." *Rope Burns Magazine* November (2013).

---. "22nd Annual Trappings of the American West." *Rope Burns Magazine* Fall (2013).

---. "26th Annual Arizona Cowboy Poets Gathering." *Rope Burns Magazine* Fall (2013).

---. "26th Annual Arizona Cowboy Poets Gathering." *Cowboy Poetry and Western Life* August (2013).

---. "27th Annual Texas Cowboy Poetry Gathering." *Rope Burns Magazine* April (2013).

Nika Nordbrock (continued)

- . "Painting the Landscape of the American West with Cowboy Poetry." *44th Annual Conference of the College English Association*. April 4-6, 44th College English Association Conference. Savannah, GA. 2013.
- . "Photos from the 26th Annual Arizona Cowboy Poets Gathering." *Cowboy Poetry and Western Life*. August (2013).
- . "Photos from the 26th Annual Arizona Cowboy Poets Gathering." 2013. *Rope Burns Magazine*. Fall, 2013.
- . "Photos from the Alpine, Texas, 27th Annual Texas Cowboy Poetry Gathering." *Rope Burns Magazine*. April (2013).
- . Presenter and Session Host. *26th Annual Texas Cowboy Poetry Gathering*. February 21-24, Sul Ross State University, Alpine, TX. 2013.
- . Presenter and Session Host. *26th Arizona Cowboy Poets Gathering*. August 8-10, Prescott, AZ. 2013.
- . Presenter. 11th Riding the Rim Cowboy Poets Gathering, 22nd Trappings of the American West. October 5, Prescott, AZ. 2013.
- . "The Voices of the Rural West: The Art of Cowboy Storytelling." *RMMLA*. October 10-13, Vancouver, Washington. 2013.

Brian Rachford

College: Arts & Sciences
Department: Astronomy



Research Areas:

- ◆ Astronomy

2013 Publications:

Rachford, B. L., et al. "Anomalous Diffuse Interstellar Bands in the Spectrum of Herschel 36. I. Observations of Rotationally Excited CH and CH+ Absorption and Strong, Extended Redward Wings on Several DIBs." *Astrophysical Journal* 773.1 (2013).

Joel Schipper

College: Engineering

Department: Electrical & Computer Engineering

Research Areas:

- ◆ Knowledge based systems
- ◆ Autonomous mobile robotics



2013 Publications:

Schipper, J. D., et al. "A Knowledge-Based Clinical Toxicology Consultant for Diagnosing Multiple Exposures." *Artificial Intelligence in Medicine* 58.1 (2013): 15-21.

Mark Sinclair

College: Aviation

Department: Meteorology

Research Area:

- ◆ Synoptic and dynamic meteorology



2013 Publications:

Sinclair, Mark. *Forest Fires and Climate*. . Prescott, AZ: National Weather Service, Embry-Riddle Department of Meteorology and the Forest Service, 2013. Weather Town Hall.

---. "Spatial and Temporal Variability of Summer Precipitation Over the Southwest. ". *Southwest U.S. Convective Workshop*. Phoenix, AZ. 2013.

Sinclair, Mark, et al. "IMILAST: A Community Effort to Intercompare Extratropical Cyclone Detection and Tracking Algorithms." *Bulletin of the American Meteorological Society* 94.4 (2013): 529-47.

Darrel Smith

College: Arts & Sciences

Department: Physics

- ♦ Research Area:
- ♦ Neutrino oscillation



2013 Publications:

Smith, D., et al. "Test of Lorentz and CPT Violation with Short Baseline Neutrino Oscillation Excesses." *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics* 718 (2013): 1303-8.

Robin Sobotta

College: Arts & Sciences

Department: Business

Research Areas:

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



2013 Publications:

Sobotta, R. "Civil Integration of Unmanned Aircraft Systems. Envisioning the Future of Business in Arizona." *Spring Economic Development Conference*. Tucson, AZ. 2013.

---. "An Emerging Framework for UAS in the NAS: Opportunities and Challenges for First Responders and Emergency Management." *Handbook of Emergency Response: A Human Factors and System Engineering Approach* Florence, KY: Taylor and Francis Group, 2013.

Robin Sobotta (continued)

- . "Progress Toward Civil Integration of Unmanned Aircraft Systems." *Next-Gen Know How: Arizona Governor's Economic Development Conference*. Flagstaff, AZ. 2013.
- . "UAS Integration into the National Airspace System." *Arizona and Sonora: Advancing Arizona's Regional Competitiveness. 2013 Summer Plenary Session*. Scottsdale, AZ. 2013.

Lance Traub

College: Engineering

Department: Aerospace & Mechanical Engineering



Research Areas:

- ◆ Applied and theoretical aerodynamics

2013 Publications:

- Traub, L. W., and M. Biegner. "Experimental Evaluation of a Self-Contained Circulation Control Wing." *Journal of Aircraft* 50.3 (2013): 764-777.
- Traub, L. W., and L. Daniel. "Effect of Aspect Ratio on Gurney-Flap Performance." *Journal of Aircraft* 50.4 (2013): 1217-1225.
- . "Effectiveness of Wing Root Gap for Stall Control." *Journal of Aircraft* 50.4 (2013): 1316-1320.
- Traub, L. W. "Aerodynamic Impact of Aspect Ratio at Low Reynolds Number." *Journal of Aircraft* 50.2 (2013): 626-634.

Lance Traub (continued)

- . "Effect of Rapid Prototyped Airfoil Finish on Loading at Low Reynolds Numbers." *Journal of Aircraft* 50.1 (2013): 307-311.
- . "Validation of Endurance Estimates for Battery Powered UAVs." *Aeronautical Journal* November (2013): 1155-1166.

Bill Waldock

College: Arts & Sciences
Department: Safety Science



Research Areas:

- ◆ Safety Science

2013 Publications:

Waldock, William, D., and L. Pete Kelley. "From Ayn Rand's Objectivism to Sherlock Holmes' Deductive Reasoning, Investigators Who Think Better Investigate Better." *ISASI 2013 International Seminar*. August 20, Vancouver, B.C., Canada. 2013.

Bradley Wall

College: Engineering

Department: Aerospace & Mechanical Engineering

Research Areas:

- ♦ Orbital mechanics
- ♦ Optimization



2013 Publications:

Wall, Bradley. *Dynamics: Supplement*. iTunes: Bradley Wall, 2013.

Patricia Watkins

Department: Hazy Library & Learning Center

Research Areas:

- ♦ Competitive intelligence
- ♦ International and industrial research
- ♦ Library information resources



2013 Publications:

Watkins, Patricia. "Lightening Talk: Coffee & Collaboration in the Hazy Library Article." *Conference of the American Society for Engineering Education - Engineering Librarian Division*. June 23-25, Atlanta, GA. 2013.

Michele Zanolin

College: Arts & Sciences

Department: Physics

Research Areas:

- ◆ Gravitational waves detection
- ◆ Acoustic sensing



2013 Publications:

- Zanolin, M., et al. "Gravitational Waves from Known Pulsars: Results from the Initial Detector Era." (2013).
- . "Prospects for Localization of Gravitational Wave Transients by the Advanced LIGO and Advanced Virgo Observatories by LIGO Scientific and Virgo Collaborations." (2013).
- Zanolin, M., et al. "Einstein@Home all-Sky Search for Periodic Gravitational Waves in LIGO S5 Data." *Physical Review D - Particles, Fields, Gravitation and Cosmology* 87.4 (2013).

Michele Zanolin (continued)

2013 Publications:

- Zanolin, M., et al. "Search for Gravitational Waves from Binary Black Hole Inspiral, Merger, and Ringdown in LIGO-Virgo Data from 2009-2010." *Physical Review D - Particles, Fields, Gravitation and Cosmology* 87.2 (2013).
- Zanolin, M., et al. "Enhanced Sensitivity of the LIGO Gravitational Wave Detector by using Squeezed States of Light." *Nature Photonics* 7.8 (2013): 613-9.
- Zanolin, M., et al. "Search for Long-Lived Gravitational-Wave Transients Coincident with Long Gamma-Ray Bursts by the LIGO Scientific and the Virgo Collaborations." (2013).
- Zanolin, M., et al. "A First Search for Coincident Gravitational Waves and High Energy Neutrinos using LIGO, Virgo and ANTARES Data from 2007." *Journal of Cosmology and Astroparticle Physics* 2013.6 (2013): 1-39.
- Zanolin, M., P. Kalmus, and S. Klimenko. "Excluding Source Models with Multiple Astrophysical Observations." *LIGO Technical Document* P1300018-v1 (2013).
- Zanolin, M. "Core Collapse Supernovae Search Update." *LIGO Technical Document* G1300325-v3 (2013).

Michele Zanolin (continued)

Zanolin, M., et al. "Directed Search for Continuous Gravitational Waves from the Galactic Center." *Physical Review D - Particles, Fields, Gravitation and Cosmology* 88.10 (2013).

Zanolin, M., et al. "Parameter Estimation for Compact Binary Coalescence Signals with the First Generation Gravitational-Wave Detector Network." *Physical Review D - Particles, Fields, Gravitation and Cosmology* 88.6 (2013).

Hong Zhan

College: Arts & Sciences

Department: Humanities & Communications



Research Areas:

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

2013 Publications:

Zhan, Hong. "Developing 21st Century Learning Skills through Digital Pad and Beyond." *American Council on the Teaching of Foreign Languages*. November 22-24, Orlando, Florida. 2013.

---. "Evaluating CSL Pre-Service Teacher Training Model: The Development of CSL Student Teachers' TPACK Knowledge and Students' Oral Proficiency." *Eleventh International Conference on Chinese Language Teaching*. June 28, Chengdu, China. 2013.

---. "MALL to Empower Learning and Teaching Foreign Languages—How to make it Happen?" *International Conference of Educational Innovation through Technology*. November 10-12, Williamsburg, VA. 2013.

ERAU Student Contributions

2013 Publications

Libin Daniel

Daniel, L., and L. W. Traub. "Effect of Aspect Ratio on Gurney-Flap Performance." *Journal of Aircraft* 50.4 (2013): 1217-1225.

---. "Effectiveness of Wing Root Gap for Stall Control." *Journal of Aircraft* 50.4 (2013): 1316-1320.

Christian R Mihuc

Mihuc, C. R., and D. Ivanova. "WRF Modeling of the Monsoon during the North American Monsoon Experience." *ERAU Discovery Day 2013*. April, Prescott, AZ. 2013.

Mihuc, C. R., and D. Ivanova. "The North American Monsoon Experiment: 2004." *NASA Space Grant Student Conference*. April, Phoenix, AZ. 2013.

Edward Matthews

Matthews, E., and D. Ivanova. "The Tale of Two Flash Floods: WRF Modeling of Two Heavy Precipitation Event." *ERAU Discovery Day 2013*. April, Prescott, AZ. 2013.

Kellyn Wagner

Wagner, Kellyn. "The Likelihood of an Al-Qaeda and Boko Haram Merger." *National Collegiate Honors Council*. November 6-10, New Orleans, LA. 2013.

Notes