

**Bibliography  
of  
Publications & Presentations  
in 2007**

*Embry-Riddle  
Aeronautical University  
Prescott Campus  
Community*



**April 3, 2008**

Notes



## Allyson Carter

Allyson Carter is Editor-in-Chief at the University of Arizona Press. She received her Ph.D. from the University of Arizona in 1999 in Linguistics. Prior to her move into academic publishing, Dr. Carter was a research scientist at Indiana University and the University of Arizona.



Her subject areas of acquisition include anthropology, archaeology, ecology and natural history, environmental science, astronomy and space science, and geography. She oversees nine book series. To build this list, Dr. Carter seeks to engage international scholars through travel to universities and conferences, participation in seminars on academic publishing at these venues, and in programs such as the annual Conference of Ford Fellows.

Dr. Carter's books have earned statewide and national attention. Among the many awards given to her books, some recent honors include two Arizona Book Awards for *Sunshot: Peril and Wonder in the Gran Desierto*; an Outstanding Academic Title by Choice Magazine for *After Collapse: The Regeneration of Complex Societies*; and the State of New Mexico's 2006 Heritage Preservation Award in the category of Heritage Publication for *The Antiquities Act: A Century of American Archaeology, Historic Preservation, and Nature Conservation*.

Many of Dr. Carter's books have also received honorable mention from highly acclaimed organizations. Most recently, the Joint Women's Caucus of the Popular Culture/American Culture Associations honored *Doing Without: Women and Work after Welfare Reform* in the Susan Koppelman Award competition, and the Women's Section of the American Folklore Society recognized *Unmasking Class, Gender, and Sexuality in Nicaraguan Festival* in the Elli Kōngäs Maranda Prize.

Forthcoming projects include *Global Health: Why Cultural Perceptions, Social Representations, and Biopolitics Matter* by leading medical anthropologist and UA Regents' Professor Mark Nichter, and *The Solar System Beyond Neptune*, the 35th title in the press's internationally renowned Space Science Series. Dr. Carter continues to seek out established and up-and-coming scholars to make available critical research to the scientific community and general public.

## Bailey, Quentin G.

College: Arts & Sciences

Department: Physics



### Research Area:

- ♦ Fundamental tests of General Relativity

### Professional Distinctions:

- ♦ Member, American Physical Society
- ♦ Member, American Association of Physics Teachers
- ♦ Sigma Pi Sigma
- ♦ Referee, *Foundations of Physics*
- ♦ Referee, *General Relativity and Gravitation*
- ♦ Referee, *Physica Scripta*

### Last Book Read:

*The Philosophy of Space and Time* by Hans Reichenbach

### Last Movie Seen:

*No Country for Old Men*

### Favorite Quote:

"If we knew what we were doing, it wouldn't be called research."  
-Albert Einstein

### Teaching Philosophy:

"It is better to get students doing rather than listening and copying."

### 2007 Publications:

1. Bailey, Quentin G. "Signals for Lorentz Violation in Gravitational Experiments." APS Four Corners Meeting: 2007.
2. ---. "Testing Einstein's Relativity in the 21st Century." Prescott Astronomy Club: 2007.
3. ---. "Testing Lorentz Symmetry With Gravity." 4th Meeting on CPT and Lorentz Symmetry: 2007.

## **Beatty, Jametha**

**College:** Arts & Sciences

**Department:** Humanities and Communications

### **Research Area:**

- ◆ Acts of literacy: life-long practices to enhance spiritual, mental, and physical health
- ◆ Narrative research and writing as a way to make knowledge and report findings
- ◆ Creative writer of poems, with a novel in her bottom desk drawer

### **Professional Distinctions:**

- ◆ Member, Phi Kappa Phi
- ◆ Member, Delta Kappa Gamma
- ◆ Active participant in numerous professional organizations such as Western States Rhetoric and Literacy Conference, TESOL, and the College English Association



### **2007 Publications:**

1. Beatty, Jamie. "Sustaining Sobriety Through Acts of Literacy." Western States Rhetoric and Literacy Conference: 2007.
2. Nordbrock, Nika, and Jamie Beatty. "Cowboy Poetry Creates Empathy for Ranching Lifestyle." 37th College English Association Conference: 2007.

## **Beck, Angela**

**College:** Arts & Sciences

**Department:** Humanities & Communications

### **Research Area:**

- ◆ Cognitive theories of language learning
- ◆ Writing pedagogy
- ◆ Collaborative learning and teaching
- ◆ Team teaching

### **Professional Distinctions:**

- ◆ Service Excellence nominee



### **2007 Publications:**

1. Beck, Angela, and Patric McElwain. "Utopia and Dystopia in the West: Going Beyond the Text(s) in a Writing-Intensive First-Year Honors Course." Arizona English Teachers Association State Conference: 2006.
2. Theis, Richard, and Angela Beck. "The Practice of Journal Keeping: the Use of Narrative to Disseminate Knowledge in a Technical Writing Class." Arizona English Teachers Association Conference: 2007.
3. Theis, Richard, et al. "The Edge of OK: Finding the Value of Teaching Sustainability Across the Disciplines in a Technological University." Western States Rhetoric and Literacy Conference: 2007.



## **Bedard, Raynald**

**College:** Aviation

**Department:** Aeronautical Science

### **Research Area:**

- ◆ Learning and pedagogy
- ◆ Low cost flight simulation

### **Professional Distinctions:**

- ◆ Service Excellence Award for ERAU Prescott, 2003-2004
- ◆ Faculty of the Year for the College of Aviation in 2003 and 2005



### **2007 Publications:**

1. Bedard, Raynald. "Using Microsoft Flight Simulator 10 for Pilot Training." AVSIM International Conference: 2007.



## **Blomstrom, Sally**

**College:** Arts & Sciences

**Department:** Humanities & Communications

### **Research Area:**

- ◆ Service learning
- ◆ Health communication

### **Currently Reading:**

*Cadillac Desert: The American West and It's Disappearing Water* by Marc Reisner and *Interior Castle* by St. Teresa of Avila

### **Favorite Quote:**

"Never doubt that a small group of thoughtful, committed citizens can change the world. Indeed, it is the only thing that



ever has." -Margaret Mead

### **Teaching Philosophy:**

"Engagement, I love to have the students engaged."

### **2007 Publications:**

1. Blomstrom, Sally, and Hak Tam. "Assessing the Learning in Service Learning Projects." Rocky Mountain Communication Association: 2007.



## **Bloom, Richard W.**

**College:** Arts & Sciences

**Department:** Global Studies

### **Research Area:**

- ◆ Policy analysis-covert action, counterintelligence, counterespionage, personnel security, counterterrorism, counterpropaganda and perception management, interrogation
- ◆ Critique of post-modernism in the context of personality, biography, autobiography, and historiography



### **Professional Distinctions:**

- ◆ Past-President, Military Psychology Division, American Psychological Association
- ◆ Diplomat, American Board of Professional Psychology
- ◆ Fellow, Academy of Clinical Psychology
- ◆ Fellow, Society of Personality Assessment
- ◆ Fellow, Inter-University Seminar on Armed Forces and Society
- ◆ Fellow, Society of Air Force Clinical Psychologists
- ◆ Member, Governor of Arizona Homeland Security Council
- ◆ Member, Association of Former Intelligence Officers

### **2007 Publications:**

1. Bloom, R. W. "Brain and Heart on Fire [Review of the Book "The Political Brain: the Role of Emotion in Deciding the Fate of the Nation"]." PsycCRITIQUES 52.2 (2007).
2. ---. "Causality of Injury With Truth As Casualty: a Review of "Causality of Physiological Injury: Presenting Evidence in Court" by Gerald Young, Andrew W. Kane, and Keith Nicholson (Eds.)." PsycCRITIQUES 52.37 (2007).

3. ---. "Counterterrorism Programs, Psychology, and the Insider Threat." Massport Counter-Terrorism for Transportation Conference: 2007.
4. ---. "Criminal and Civil Adjudication in an Age of Terror: the Psychology of Terrorism." 18th Annual Aviation Law and Insurance Symposium: 2007.
5. ---. "Personnel Security and the Insider Threat." ASIS International Southwest Security Conference 2007: 2007.
6. ---. "Profiling, Human Reliability, and National Security." Association for Intelligence Officers, Arizona Chapter: 2007.
7. ---. "Shepherd Akimbo, Sheep in Limbo, CIA Pulls Wool. [Review of the Motion Picture "The Good Shepherd"]." PsycCRITIQUES 52.24 (2007).
8. ---. "The Terrorism Industry: Talking Truth to Power or Seeking Power as Truth? [Review of the Book "The Roots of Terrorism"]." PsycCRITIQUES 52.13 (2007).



## **Brandstein, David**

**College:** Arts & Sciences

**Department:** Humanities & Communications

### **Research Area:**

- ♦ Cultural Studies
- ♦ American Indian Studies
- ♦ Diversity

### **Last Book Read:**

*The Road* by Cormac McCarthy

### **Last Movie Seen:**

*No Country for Old Men*

### **Favorite Quote:**

"We are the People. We are the land. We will persist." -Taos, Pueblo Elder

### **Teaching Philosophy:**

"When you inspire in your students a passion for active learning, critical thinking, and compassion for others, teaching is never boring and can be joyous."

### **2007 Publications:**

1. Brandstein David. "Developing and Teaching Southwest Indian Courses." International Conference on Arts and Humanities: January 14, 2007.
2. ---. "Recruiting, Supporting and Teaching Native Students." National Indian Education Association Conference: 2007.



## **Chen, Leeann**

**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

### **Professional Distinctions:**

- ♦ Invited to be included in Empire's American Professional Women: Who Is Who.



### **2007 Publications:**

1. Chen, Leeann. "Using PowerPoint to Teach Vocabulary in Integrated and Interactive Ways." Selected Papers of the Eighth International Symposium of Teaching Chinese. Beijing: Higher Education Press, 2007. 775-87.





## deLong, Suzanne

**Department:** Library and Learning Center

### Research Area:

- ◆ Librarianship

### Professional Distinctions:

- ◆ Fullbright Senior Specialist Roster
- ◆ Beta Phi Mu

### Last Book Read:

*The Real Sarah Bernhardt* by Madame Berton

### Last Movie Seen:

*Little Shop of Horrors*

### Favorite Quote:

"BOOK is a revolutionary breakthrough in technology: no wires, no electric circuits, no batteries, nothing to be connected or switched on. It's so easy to use even a child can operate it. Just lift its cover!"  
–Marielle Cartier

### Teaching Philosophy:

"Dare to be different."

### 2007 Publications:

1. deLong, Suzanne. "Nix the Name-Calling." American Libraries 38.9 (2007): 51.



## Devereux, Nick

**College:** Arts & Sciences

**Department:** Physics

### Research Area:

- ◆ Extragalactic observational astronomy at infrared, millimeter and optical wavelengths
- ◆ Origin of the far infrared luminosity in spiral galaxies
- ◆ Star formation in galaxies

### Professional Distinctions:

- ◆ As first author have, collectively, been cited over 800 times in professional literature
- ◆ Director of the ERAU Astronomical



Observatory

### 2007 Publications:

1. Devereaux, Nick, and Andrew Shearer. "Kinematics of the Broad-Line Region in M81." The Astrophysical Journal 671 (2007): 118-23.



## Diels, Erica

**College:** Aviation  
**Department:** Flight Training

### Research Area:

- ♦ Ethics
- ♦ Moral development and aviation

### Last Book Read:

*How Dogs Think* by Stanley Coren

### Favorite Movie:

*Dr. Strangelove*

### Favorite Quote:

"Actions speak louder than words."

### Teaching Philosophy:

"I like to think of teaching like building a house. Without a strong foundation in the basics, the walls, roof and everything else are weak and more likely to fall down."

### 2007 Publications:

1. Northam, Gary J., and Erica Diels. "Ethical Decision Making by Certified Flight Instructors." Third Conference on Safety Across High-Consequence Industries. 2007.



## El Dokor, Tarek

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

### Research Area:

- ♦ Computer/machine vision

### Professional Distinctions:

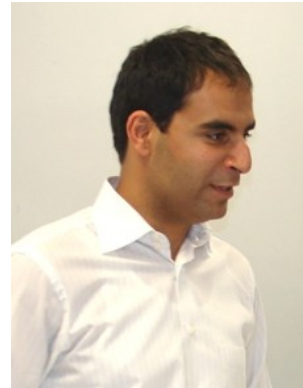
- ♦ Micron Scholar
- ♦ Honda R&D HIG Award

### Last Book Read:

*The Pea and the Sun: A Mathematical Paradox* by Leonard M. Wapner

### Last Movie Seen:

*Caramel*



### Favorite Quote:

"Either lead, follow, or get out of the way." -Thomas Paine

### Teaching Philosophy:

"Learn by doing."

### 2007 Publications:

1. El Dokor, Tarek, David Lanning, and Justin Gigliotti. "Gesture-Based Interactive Beam Bending Exercises: an Interactive and Intuitive Tool for Students." ASEE Annual Conference and Exposition. 2007.





## Fogleman, Maxwell

**College:** Aviation  
**Department:** Safety Science

### Professional Distinctions:

- ◆ Human Factors and Ergonomics Society
- ◆ The Ergonomics Society
- ◆ International Society for Occupational Ergonomics and Safety
- ◆ International Air Transport Section, National Safety Council



### 2007 Publications:

1. Fogleman, Maxwell. "Collection, Management, and Analysis of Safety Data." Aviation Ground Operation: Safety Handbook. 6th ed. National Safety Council Press, 2007.
2. ---. "Collection, Management, and Analysis of Safety Data." Third Conference on Safety Across High-Consequence Industries. 2007.
3. ---. "Safety Management Systems." Aviation Ground Operation: Safety Handbook. 6th ed. National Safety Council Press, 2007.
4. Northam, Gary J., et al. "Educating Safety Professionals." Third Conference on Safety Across High-Consequence Industries. 2007.



## Gally, Thomas

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

### Research Area:

- ◆ Transonic aerodynamics
- ◆ Aircraft design

### Professional Distinctions:

- ◆ 2002 Faculty Outstanding Service Award
- ◆ 2002 Boeing A. D. Welliver Faculty Summer Fellow
- ◆ 2001 SAE Ralph R. Teetor Educational Award
- ◆ 2005 NASA Summer Faculty Fellow



### Last Movie Seen:

*Across the Universe*

### Favorite Movie:

*The English Patient*

### Favorite Book:

*Stranger in a Stranger Land* by Robert Heinlein

### 2007 Publications:

1. Helbling, James, Darin Marriott, and Thomas Gally. "Applied Computer Aided Design Using Aerospace Vehicles for Sophomore Level Students." Proceedings of the ASEE Annual Conference and Exposition. 2007.



## Gear, Gary

**College:** Engineering

**Department:** Electrical & Computer Engineering

### Research Area:

- ♦ Autonomous aircraft

### Professional Distinctions:

- ♦ Member, IEEE
- ♦ Member, HKN
- ♦ Three NASA fellowships
- ♦ Currently working part-time for NASA on autonomous aircrafts
- ♦ Judge and Judge Advisor for FIRST Robotics

### Last Movie Seen:

*Star Wars Trilogy*

### Most Important Book:

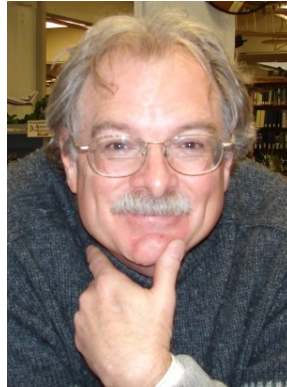
*Zen and the Art of Motorcycle Maintenance* by Robert Pirsig

### Favorite Quote:

"Computers are useless. They can only give you answers." -Pablo Picasso

### 2007 Publications:

1. Gear, Gary, and Thomas Mace. "The Ground Control Room As an Enabling Technology in the Unmanned Aerial System." ASPRS Annual Conference: 2007.



## Gigliotti, Justin

**College:** Engineering

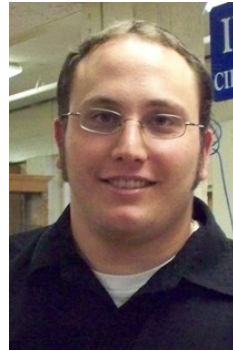
**Department:** Electrical & Computer Engineering

### Research Area:

- ♦ Computer engineering and computer science

### Professional Distinctions:

- ♦ Student Researcher, Embry-Riddle Machine Vision Lab
- ♦ Student Researcher, NASA Space Grant
- ♦ Treasurer, Eta Kappa Nu



### Last Movie Seen:

*No Country for Old Men*

### Favorite Book:

*Invisible Man* by Ralph Ellison

### Favorite Quote:

"A person always doing his or her best comes a natural leader, just by example." -Joe DiMaggio

### 2007 Publications:

1. El Dokor, Tarek, David Lanning, and Justin Gigliotti. "Gesture-Based Interactive Beam Bending Exercises: an Interactive and Intuitive Tool for Students." ASEE Annual Conference and Exposition: 2007.



## Gorjidooz, Javad

**College:** Arts & Sciences

**Department:** Business

### Research Area:

- ♦ Aviation finance
- ♦ Corporate finance
- ♦ Public finance
- ♦ Globalization
- ♦ Exchange rate determination

### Last Book Read:

*Engineering Economy* by Leland T. Blank and Anthony J. Tarquin

### Last Movie Seen:

*Bordertown*

### Teaching Philosophy:

"I believe in emphasizing critical thinking and allowing students' creativity to come through ... helping them come up with the answer themselves rather than providing it for them ... "

### 2007 Publications:

1. Gorjidooz, Javad. "Application of Capital Budgeting in Aircraft Valuation." 2007 Annual Conference of International Society of Parametric Association, Southwest Chapter. 2007.
2. Gorjidooz, Javad. "Time Value of Money." The Administration of Public Airports. Robin Sobotta and Gesell. Chandler, Arizona: Coastaire Publications, 2007. 616-29.



## Helbling, James

**College:** Engineering

**Department:** Aerospace & Mechanical

### Research Area:

- ♦ Aircraft structural analysis, primarily in terms of component fatigue life predictions
- ♦ Incorporating communications instruction into the engineering curriculum

### Professional Distinctions:

- ♦ SGA Faculty of the Semester Award, Fall 2004
- ♦ Presidential Citation, Fall 2005.



### 2007 Publications:

1. Helbling, James, et al. "Impact of New Facilities on Engineering Student Outcomes." ASEE Annual Conference and Exposition. 2007.
2. Helbling, James, Darin Marriott, and Thomas Gally. "Applied Computer Aided Design Using Aerospace Vehicles for Sophomore Level Students." Proceedings of the ASEE Annual Conference and Exposition. 2007.
3. Siebold, Karl, et al. "Educational Tools for Systems Simulation and Laboratories Leading to the Capstone Design Sequence in Aerospace Engineering." Proceedings of the ASEE Annual Conference and Exposition. 2007.



# Ivanova, Dorothea

**College:** Aviation

**Department:** Meteorology

## Research Area:

- ♦ Cloud physics
- ♦ Mesoscale modeling
- ♦ North American (Mexican) Monsoon climate studies and modeling
- ♦ Remote sensing of sea surface temperatures
- ♦ Global ozone variability

## Professional Distinctions:

- ♦ 2007 Research of the Year, College of Aviation, ERAU, Prescott.
- ♦ 2007 Outstanding New Faculty Award, CTLE, ERAU, Prescott.
- ♦ 2007 Principle Investigator: Mesoscale computer modeling of the North American monsoon in Arizona—ERAU Faculty Internal Research Grant
- ♦ Co-Principal Investigator for NOAA NAME (North American Monsoon Experiment), 2004-2006 funded project: The role of oceanic processes on the Gulf of California SST evolution during NAME.
- ♦ 2004-2006 Co-Principle Investigator: The role of oceanic processes on the Gulf of California SST evolution during the NAME, North American Monsoon Experiment
- ♦ Reviewer, Journal of Applied Meteorology
- ♦ Reviewer, Journal of Meteorology and Atmospheric Physics



## Last Book Read:

*The Kite Runner* by Khaled Hosseini

## Last Movie Seen:

*'La vie en rose', 'Paris, je t'aime'*

## 2007 Publications:

1. Ivanova, Dorothea, and Curtis N. James. "Mesoscale Computer Modeling of the North American Monsoon in Arizona." American Geophysical Union (AGU) Annual Meeting. 2007.

2. Ivanova, Dorothea, and D. L. Mitchell. "Ice Microphysics Theory and Measurements: The Impact of Controversial Small Ice Crystals on GCM Simulations." XXIVth IUGG/IAMAS Joint Meeting. 2007.



## James, Curtis N.

**College:** Aviation

**Department:** Meteorology

### Research Area:

- ♦ Mountain meteorology
- ♦ Doppler radar
- ♦ Mesoscale meteorology

### Professional Distinctions:

- ♦ Member of the American Meteorological Society
- ♦ Phi Beta Kappa Honor Society



### 2007 Publications:

1. Ivanova, Dorothea, and Curtis N. James. "Mesoscale Computer Modeling of the North American Monsoon in Arizona." American Geophysical Union (AGU) Annual Meeting. 2007.
2. James, Curtis N. "Anticipating Aviation Weather Hazards in the Southwest." Southwest Aviation Weather Safety Workshop. Salt River Project. 2007.
3. ---. "Integration of NEXRAD, Airborne Radar & Stormscope." M/MOPA 17th Annual Convention. Malibu/Mirage Owners & Pilots Association. 2007.

## Jeralds, Sean

**College:** Aviation

**Department:** Aeronautical Science

### Research Area:

- ♦ UAV training

### Last Book Read:

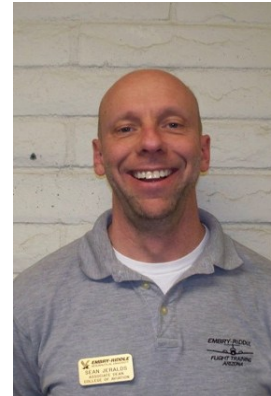
*The Singularity is Near: When Humans Transcend Biology* by Ray Kurzweil

### Last Movie Seen:

*I am Legend*

### Favorite Quote:

"There was a child went forth every day;  
and the first object he look'd upon, that  
object he became..." -Walt Whitman



### Teaching Philosophy:

"RIF/ELM Reading is fundamental and edutainment leaves marks."

### 2007 Publications:

1. Jeralds, Sean, and Robin Sobotta. Unmanned Aircraft System Operator Training Curriculum Development Initiative. NASA-DFRC/AERO Institute Industry Reports, 2007.





## Jirak, Israel L.

**College:** Aviation

**Department:** Meteorology

### Research Area:

- ♦ Severe weather—mesoscale convective systems

### Professional Distinctions:

- ♦ Member, American Meteorological Society

### Hobbies:

Basketball, football, and softball



### 2007 Publications:

1. Jirak, Israel L., and W. R. Cotton. "Impact of the Initial Convective Arrangement on Simulated MCS Development." 12th Conference on Mesoscale Processes: 2007.
2. ---. "Observational Analysis of the Predictability of Mesoscale Convective Systems." Forecasting 2007.22 (2007): 813-38.



## Kim, Mischa

**College:** Engineering

**Department:** Aerospace & Mechanical Engineering

### Research Area:

- ♦ Nonlinear dynamics and control with emphasis on spacecraft formation and low-thrust trajectory

### Professional Distinctions:

- ♦ Member, AIAA
- ♦ Member, Tau Beta Pi
- ♦ Member, Phi Kappa Phi

### Currently Reading:

*Abendland* by Michael Kohlmeier



### Favorite Book:

*To Kill a Mockingbird* by Harper Lee

### Last Movie Seen:

*No Country for Old Men*

### 2007 Publications:

1. Siebold, Karl, et al. "Educational Tools for Systems Simulation and Laboratories Leading to the Capstone Design Sequence in Aerospace Engineering." Proceedings of the ASEE Annual Conference and Exposition: 2007.





## Landis-Groom, Eileen

**College:** Arts & Sciences

**Department:** Humanities & Communications

### Professional Distinctions:

- ◆ First place in fiction in Arizona English Teachers' Association's Teachers as Writers Contest (2005)
- ◆ First place in nonfiction in Arizona English Teachers' Association's Teachers as Writers Contest (2000)
- ◆ Who's Who Among America's Teachers (1998, 2001, 2004)
- ◆ Second place in fiction in Arizona English
- ◆ Teachers' Association's Teachers as Writers Contest
- ◆ Winner of Best of Show in the Yavapai County Women in the Arts for fiction and recipient of an honorable mention in the same contest
- ◆ Member of Who's Who of American Women and Who's Who in the West



### 2007 Publications:

1. Landis-Groom, Eileen. "Learning to Dance Together." Arizona English Bulletin (2007).
2. Landis-Groom, Eileen. "Staying Awake: Appreciated Assignments." Arizona English Teachers Association Conference. 2007.
3. Landis-Groom, Eileen, Editor. Voices of ERAU: a Booklet for New and Potential Students. 2nd ed. Prescott, Arizona, 2007.



## Lanning, David B.

**College:** Engineering

**Department:** Aerospace & Mechanical Engineering

### Research Area:

- ◆ Aerospace structures
- ◆ High cycle fatigue
- ◆ Fatigue and fracture of materials
- ◆ Foreign object damage
- ◆ Mechanical testing

### Professional Distinctions:

- ◆ AIAA Senior Member
- ◆ AIAA Special Service Citation 2003
- ◆ COE Outstanding Contributor 2003-2004
- ◆ Member of numerous ERAU committees



### 2007 Publications:

1. El Dokor, Tarek, David Lanning, and Justin Gigliotti. "Gesture-Based Interactive Beam Bending Exercises: an Interactive and Intuitive Tool for Students." ASEE Annual Conference and Exposition. 2007.
2. Helbling, James, et al. "Impact of New Facilities on Engineering Student Outcomes." ASEE Annual Conference and Exposition. 2007.
3. Lanning, David, and T. Nicholas. "Constant-Life Diagram Modified for Notch Plasticity." International Journal of Fatigue 29 (2007): 2163-69.

## Lawrence, Nancy

**College:** Aviation

**Department:** Safety Science

### Research Area:

- ◆ Industrial hygiene
- ◆ Occupational safety and health

### Professional Distinctions:

- ◆ Board Member, Bessie Coleman Foundation
- ◆ Member, American Industrial Hygiene Association
- ◆ Advisor and Member, Graduate Student Association
- ◆ Advisor and Member, American Society of Safety Engineer
- ◆ Advisor and Member, Future Black Leaders of America
- ◆ Advisor and Member, Women in Aviation



### Last Movie Seen:

*Meet the Browns*

### 2007 Publications:

1. Northam, Gary J., et al. "Educating Safety Professionals." Third Conference on Safety Across High-Consequence Industries: 2007.
2. Peacock, Brian, and Nancy Lawrence. "Safety Issues in Pre Flight Inspection." Third Conference on Safety Across High-Consequence Industries: 2007.



## Madler, Ronald

**College:** Engineering

**Department:** Aerospace & Mechanical Engineering

### Research Area:

- ◆ Engineering education
- ◆ Orbital debris
- ◆ Astrodynamics
- ◆ Spacecraft design
- ◆ Space exploration
- ◆ Planetary science



### Currently Reading:

*Three Cups of Tea: One Man's mission to Promote Peace . . . One School at a Time* by Greg Mortenson

### Favorite Place:

Any beach in Hawaii

### Favorite Quote:

"Who dares to teach must never cease to learn." John Cotton Dana, 1856-1929, first President of ALA (American Library Association)

### 2007 Publications:

1. Helbling, James, et al. "Impact of New Facilities on Engineering Student Outcomes." ASEE Annual Conference and Exposition: 2007.



## Malnar, Alan

**College:** Arts & Sciences

**Department:** Humanities & Communications

### Research Area:

- ♦ Literature and the environment
- ♦ Birds of prey
- ♦ Pedagogy

### Professional Distinctions:

- ♦ Faculty Advisor, Horizons student Newspaper, Embry-Riddle Aeronautical University, Prescott Campus
- ♦ Member: Phi Kappa Phi Honor Society
- ♦ Book in progress: "Voices of the Headland" (about poet, Robinson Jeffers)
- ♦ Member, Robinson Jeffers Society (1887 -1962, American Poet, known for his work about the central California coast)
- ♦ Member, SAG (Screen Actors Guild)
- ♦ Member, Peregrine Fund
- ♦ Member, Prescott Habitat Partnership Committee
- ♦ Yavanino (Yavapai/Coconino counties) Forensics Association

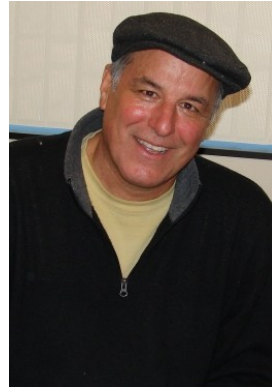
### Favorite Quotes:

*"Never moon a werewolf."* Mike Binder

*"If you can't convince them, confuse them."* Harry S. Truman

### 2007 Publications:

1. Malnar, Alan J. "What Might We Learn From the Unsocial Bird." 13th Annual Robinson Jeffers Association Conference: 2007.



## Marriott, Darin

**College:** Engineering

**Department:** Aerospace & Mechanical

### Research Area:

- ♦ High speed linear induction catapults

### Teaching Philosophy:

"I simply try to present the material as is best for its unique content and I try to gauge where the students are in the moment and deal with them as individuals whenever possible. As students get older, the objective becomes to slowly pry them away from needing a teacher so that they

may learn to learn by themselves. "

### 2007 Publications:

1. Helbling, James, et al. "Impact of New Facilities on Engineering Student Outcomes." ASEE Annual Conference and Exposition: 2007.
2. Helbling, James, Darin Marriott, and Thomas Gally. "Applied Computer Aided Design Using Aerospace Vehicles for Sophomore Level Students." Proceedings of the ASEE Annual Conference and Exposition: 2007.
3. Siebold, Karl, et al. "Educational Tools for Systems Simulation and Laboratories Leading to the Capstone Design Sequence in Aerospace Engineering." Proceedings of the ASEE Annual Conference and Exposition: 2007.



## McElwain, Patric

**College:** Arts & Sciences

**Department:** Humanities & Communications

### Research Area:

- ◆ Film Studies
- ◆ Technical communications
- ◆ Science fiction
- ◆ Buffy the Vampire Slayer (TV series)

### Faculty Quote:

- ◆ "Everything you need to know about life can be gleaned from watching Buffy the Vampire Slayer."



### 2007 Publications:

1. Beck, Angela, and Patric McElwain. "Utopia and Dystopia in the West: Going Beyond the Text(s) in a Writing-Intensive First-Year Honors Course." Arizona English Teachers Association State Conference: 2006.
2. Theis, Richard, et al. "The Edge of OK: Finding the Value of Teaching Sustainability Across the Disciplines in a Technological University." Western States Rhetoric and Literacy Conference: 2007.



## Nordbrock, Nika

**College:** Arts & Sciences

**Department:** Humanities & Communications

### Research Area:

- ◆ Cowboy poetry
- ◆ Teaching and learning scholarship
- ◆ Multi-cultural issues



### 2007 Publications:

1. Nordbrock, Nika. "Cowboy Poetry Teaches About Western Ranching Lifestyle." AZTESOL State Conference: 2007.
2. ---. "(Sustaining a) Home on the Range: An Evening of Cowboy Poetry with Jim Blasingame and Nika Nordbrock.", 2007.
3. ---. "Teaching Cowboy Poetry in the College Freshmen Literature Class." Arizona English Teachers Bulletin 49.1 (2007).
4. ---, Co-Editor. Thanks for the Poems: a Commemorative Collection. Prescott, Arizona: Sharlot Hall Museum, 2006.
5. ---. "What Does Cowboy Poetry Have to Do With Sustainability?" Western States Rhetoric and Literacy Conference: 2007.
6. Nordbrock, Nika. "Wickenburg's 18th Cowboy Christmas." Rope Burns Magazine 20.1 (2007): 20.

Continued.....

7. Nordbrock, Nika, and Jamie Beatty. "Cowboy Poetry Creates Empathy for Ranching Lifestyle." 37th College English Association Conference: 2007.



## **Northam, Gary**

**College:** Aviation

**Department:** Safety Science



### **Research Area:**

- ◆ Aviation safety
- ◆ Safety ethics
- ◆ Aviation human factors

### **Professional Distinctions:**

- ◆ Award for Pilot Training, Saint Louis
- ◆ Member, Aviation Accreditation Board International
- ◆ Team Chair, Aviation Accreditation Board, International

### **Last Book Read:**

*A Man Without a Country* by Kurt Vonnegut

### **Favorite Movie:**

*The Green Mile*

### **Teaching Philosophy:**

"Student involvement."

### **2007 Publications:**

1. Northam, Gary J., and Erica Diels. "Ethical Decision Making by Certified Flight Instructors." Third Conference on Safety Across High-Consequence Industries: 2007.
2. Northam, Gary J., et al. "Educating Safety Professionals." Third Conference on Safety Across High-Consequence Industries: 2007.
3. Peacock, Brian, and Gary J. Northam. "System Safety and Unmanned Aerial Vehicles." Third Safety Across High-Consequence Industries Conference: 2007.



## **Parker, Allene**

**College:** Arts & Sciences

**Department:** Humanities & Communications

### **Research Area:**

- ◆ American and British Literature 1800 to present
- ◆ 19th century American history -- utopian communities and abolition/ women's suffrage movements
- ◆ Latin American literature
- ◆ 20th century World Literature

### **Professional Distinctions:**

- ◆ Invited presentation at Oxford Round Table on Religion, Education, and Public Policy, Lincoln College, Oxford University, Oxford, UK -- August 2005



### **2007 Publications:**

1. Parker, Allene. "Poems: "Impediments," "Souvenir Photo Poem with Birds," and "Bitterroot." Hawaii International Conference on Arts and Humanities: 2007.
2. ---. "What's In a Sign?" Hawaii International Conference on Arts and Humanities: 2007.
3. Parker, Allene, and Mercedes Juan-Saura. "A Pesar De Tu Silencio / In Spite of Your Silence." Hawaii International Conference on Arts and Humanities: 2007.

## **Peacock, Brian**

**College:** Aviation

**Department:** Safety Science

### **Research Area:**

- ◆ Evaluation of Synthetic Vision Systems to prevent CFIT accidents
- ◆ Evaluation of alternative interfaces for Unmanned Aerial Vehicles NASA
- ◆ Development of an Industrial Crash Laboratory
- ◆ Development of measures of human physical performance with encumbrance - unsponsored

### **Professional Distinctions:**

- ◆ Member, Human Factors and Ergonomics Society Executive - Council
- ◆ Member, Human Factors and Ergonomics Society, External Affairs Sub Council
- ◆ Evaluator, ABET Engineering Program
- ◆ Chair, HFES A. R. Lauer Award Committee
- ◆ Associate Editor, Habitation Journal
- ◆ Associate Editor, Human Factors and Ergonomics in Manufacturing Journal
- ◆ Associate Editor, Ergonomics in Design Journal

### **2007 Publications:**

1. Northam, Gary J., et al. "Educating Safety Professionals." Third Conference on Safety Across High-Consequence Industries: 2007.
2. Peacock, Brian. "Just a Moment." Ergonomics in Design 15.3 (2007).
3. ---. "A Look Back: Ergo Is More Difficult Than Nomos." Ergonomics in Design 15.2 (2007).
4. Peacock, Brian, and Nancy Lawrence. "Safety Issues in Pre Flight Inspection." Third Conference on Safety





Across High-Consequence Industries: 2007.

5. Peacock, Brian, and Gary J. Northam. "System Safety and Unmanned Aerial Vehicles." Third Safety Across High-Consequence Industries Conference: 2007.
6. Peacock, Brian, and J. Smith. "The Case for an Aviation Weather Decision Aid." Southwest Aviation Weather Safety Conference: 2007.

## **Post, John E.**

**College:** Engineering

**Department:** Electrical & Computer Engineering



### **Research Area:**

- ◆ Planar microwave circuits and devices
- ◆ Engineering Education

### **Professional Distinctions:**

- ◆ Registered Professional Engineer, Commonwealth of Virginia
- ◆ Member, Tau Beta Pi
- ◆ Member, Eta Kappa Nu
- ◆ Senior Member, IEEE

### **2007 Publications:**

1. Post, John E. "Analysis and Design of Planar, Spiral-Shaped, Transmission-Line Transformers." IEEE Transactions on Advanced Packaging 30 .1 (2007): 104-14.
2. ---. "An Exact Lumped-Element Equivalent Circuit Model for Transmission-Line Transformers Formed From Coupled Microstrip Lines." Microwave and Optical Technology Letters 49.12 (2007): 2983-88.



## Rachford, Brian L.

**College:** Arts & Sciences

**Department:** Physics

### Research Area:

- ♦ Astrophysics

### Professional Distinctions:

- ♦ Member, American Astronomical Society
- ♦ Member, Astronomical Society of the Pacific

### Last Book Read:

*Best Summit Hikes in Colorado* by James Dziezynski

### Last Movie Seen:

*Castaway*

### Teaching Philosophy:

"Knowledge, preparation, communication, and learning."

### 2007 Publications:

1. Jensen, A. G., Rachford Brian L., and T. P. Snow. "Is There Enhanced Depletion of Gas-Phase Nitrogen In Moderately Reddened Lines of Sight?" The Astrophysical Journal 654 (2007): 955-70.



## Siebold, Karl John E.

**College:** Engineering

**Department:** Aerospace & Mechanical Engineering

### Research Area:

- ♦ Orbital mechanics
- ♦ Spacecraft control

### Favorite Movie:

*Highlander*

### Last Book Read:

*Man Meets Dog* by Konrad Lorenz

### Favorite Quote:

"Make everything as simple as possible, but not simpler." - Albert Einstein

### Teaching Philosophy:

"Start out simple and verify each step in the path to a more complex system."

### 2007 Publications:

1. Helbling, James, et al. "Impact of New Facilities on Engineering Student Outcomes." ASEE Annual Conference and Exposition: 2007.
2. Siebold, Karl, et al. "Educational Tools for Systems Simulation and Laboratories Leading to the Capstone Design Sequence in Aerospace Engineering." Proceedings of the ASEE Annual Conference and Exposition: 2007.



## Smith, Darrel

College: Arts & Sciences

Department: Physics

### Research Area:

- ♦ Neutrino physics

### Professional Distinctions:

- ♦ Twenty years experience investigating proton-antiproton interactions
- ♦ Visiting scientist at CERN and Fermilab
- ♦ Principle Investigator, NSF Grant to search for massive neutrinos

### Currently Reading:

*The Sleepwalkers: A History of Man's Changing Vision of the Universe* by Arthur Koestler

### Favorite Quote:

"Vuolsi così colà dove si puote / ciò che si vuole." - Dante, Inferno

### Teaching Philosophy:

"It is the obligation of every researcher to teach those who are willing to learn."

### 2007 Publications:

1. Smith, Darrel. "A Search for Electron Neutrino Appearance at the  $\Delta m^2 \sim 1 \text{ EV}^2$  Scale." Physical Review Letters 98.231804 (2007): 4.



## Sobotta, Robin

College: Arts & Sciences

Department: Business

### Research Area:

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

### Professional Distinctions:

- ♦ Accredited Airport Executive
- ♦ Member, Several Transportation Research Board Panels (under the National Academies) relating to Airport

Terminal Planning, Common Use Equipment/Technology in Terminals, and Airport Planning and Environmental Issues

- ♦ Member, Arizona Aviation Hall of Fame Selection Committee

### Favorite Quote:

"Whenever you are to do a thing, though it can never be known but to yourself, ask yourself how you would act were all the world looking at you, and act accordingly." - Thomas Jefferson, as drawn from Jefferson's letter to Peter Carr, Paris, August 19, 1785

### 2007 Publications:

1. Gorjidoz, Javad. "Time Value of Money." The Administration of Public Airports. Robin Sobotta and Gesell. Chandler, Arizona: Coastaire Publications, 2007. 616-29.
2. Jeralds, Sean, and Robin Sobotta. Unmanned Aircraft System Operator Training Curriculum Development Initiative. NASA-DFRC/AERO Institute Industry Reports, 2007.
3. Sobotta, Robin. Unmanned Aerial Vehicles (UAV) Alliance, Research and Curriculum Development Partnership Project Final Report. NASA-DFRC/AERO Institute Industry Reports, 2007.

4. Sobotta, Robin, Heather E. Campbell, and Beverly J. Owens. "Aviation Noise and Environmental Justice: The Barrio Barrier." Journal of Regional Science 47.1 (2007): 125-54.
5. Sobotta, Robin, and Gesell. The Administration of Public Airports. 5th ed. Chandler, Arizona: Coastaire Publications, 2007.

## Theis, Richard

**College:** Arts & Sciences

**Department:** Humanities & Communications

### Research Area:

- ◆ Narrative research
- ◆ Autobiography

### Favorite Writer:

Thomas Merton, Cistercian Monk (1915-1968)

### Favorite Movie:

*A Midwinter's Tale*, written and directed by Kenneth Branagh



### Favorite Quote:

"Love must have the strength to become certain within itself. Then it ceases merely to be attracted and begins to attract." -Hermann Hesse

### 2007 Publications:

1. Theis, Richard, and Angela Beck. "The Practice of Journal Keeping: the Use of Narrative to Disseminate Knowledge in a Technical Writing Class." Arizona English Teachers Association Conference: 2007.
2. Theis, Richard, et al. "The Edge of OK: Finding the Value of Teaching Sustainability Across the Disciplines in a Technological University." Western States Rhetoric and Literacy Conference: 2007.



## Waldock, William

**College:** Aviation

**Department:** Safety Science



### Research Area:

- ♦ Accident investigation
- ♦ Accident history and crash survivability

### Professional Distinctions:

- ♦ Member, International Society of Air Safety Investigators; President, Arizona Chapter
- ♦ Diplomat, American College of Forensic Examiners
- ♦ Member, National Fire Protection Association (FPA)
- ♦ Certified Safety Specialist, World Safety

### Organization

- ♦ Member, SAFE Association
- ♦ Retired U.S. Coast Guard

### Last Move Seen:

*No Country for Old Men*

### Recent Book Read:

*Deep Survival: Who Lives, Who Dies, and Why* by Laurence Gonzales

### Favorite Quote:

"Never underestimate the power of human stupidity." -Robert A. Heinlein

### 2007 Publications:

1. Northam, Gary J., et al. "Educating Safety Professionals." Third Conference on Safety Across High-Consequence Industries: 2007.
2. Waldock, William, Dan Driskill, and Michael McComb. "Grand Canyon Air Disaster." Presentation at Sharlot Hall Museum: Prescott, Arizona, 2007.

## Wall, Bradley

**College:** Engineering

**Department:** Aerospace & Mechanical Engineering



### Research Area:

- ♦ Optimization
- ♦ Spacecraft trajectories
- ♦ Genetic algorithms

### Currently Reading:

- ♦ *Off the Planet: Surviving Five Perilous Months Aboard the Space Station Mir* by Jerry M. Linenger

### Last Move Seen:

*The Incredibles*

### Favorite Quote:

"I like it. I do it. That is my code."

### Teaching Philosophy:

"Keep learning."

### 2007 Publications:

1. Wall, Bradley, and B. Conway. "Developing a Systematic Approach to the Use of Genetic Algorithms for the Solution of Optimal Spacecraft Trajectory Problems." Advances in the Astronautical Sciences Conference: 2007.





## Watkins, Patricia

Department: Library



### Research Area:

- ◆ Library information and research

### Professional Distinctions:

- ◆ Member, SLA
- ◆ Member, ASEE

### Last Book Read:

*A Thousand Splendid Suns* by Khalid Hosseini

### Last Movie Seen:

*The Kite Runner*

### Favorite Quote:

"I shall be telling this with a sigh Somewhere ages and ages hence:  
Two roads diverged in a wood, and I— I took the one less traveled  
by, And that has made all the difference." Robert Frost

### Teaching Philosophy:

"Learning to learn is the best tool a student can learn."

### 2007 Publications:

1. Theis, Richard, et al. "The Edge of OK: Finding the Value of Teaching Sustainability Across the Disciplines in a Technological University." Western States Rhetoric and Literacy Conference: 2007.
2. Watkins, Patricia, and Kathleen Fleming. "Riding the Wave to Excellence in Engineering Education: 2007 ASEE (American Society for Engineering Education) ELD (Engineering Libraries Division) Annual Conference." Library Hi Tech News 24.8 (2007): 14-17.

## Zhan, Hong

College: Arts & Sciences

Department: Humanities & Communications



### Research Area:

- ◆ Educational technology
- ◆ Applied linguistics
- ◆ Foreign language instruction

### Professional Distinctions:

- ◆ Member, Phi Delta Kappa
- ◆ Member, AECT
- ◆ Member, Teachers of Chinese Association
- ◆ Member, Society for Information Technology and Teacher Education
- ◆ Member, Society of International Chinese in Educational Technology
- ◆ Member, American Educational Research Association

### Last Movie Seen:

*Good Earth* and *Return to School*

### Favorite Quote:

"Teachers open the door. You enter by yourself."

### Teaching Philosophy:

"I hear and I forget. I see and I remember. I do and I understand."

### 2007 Publications:

1. Zhan, Hong, and Laura Sujo de Montes. "Does Online Teaching Presence Really Help?" Association of Educational Communications and Technology: 2007.
2. Zhan, Hong, et al. "Teaching Presence in Online Collaborative Learning Article." Society for Information Technology and Teacher Education: 2007.
3. Zhan, Hong, and Laura Sujo de Montes. "Is It a Tale of Woe? An Investigation of Relationships of Online Teaching." International Journal of Technology in Teaching and Learning 3 .2 (2007): 107-22.