

Notes

Bibliography of Publications & Presentations in 2008

*Embry-Riddle
Aeronautical University
Prescott Campus
Community*



April 9, 2009



Lee Dirks

Lee Dirks is the Director of Education & Scholarly Communications for Microsoft's External Research group, where he manages a variety of research programs related to open access to research data, interoperability of archives and repositories, and the preservation of digital information. Lee holds an M.L.S. degree from the University of North Carolina-Chapel Hill as well as a post-master's degree in Preservation Administration from Columbia University.



In addition to past positions at Columbia and with OCLC (Preservation Resources), Lee has held a variety of roles at Microsoft since joining the company in 1996 -- namely as the corporate archivist, then corporate librarian, and as a senior manager in the corporate market research organization. Lee teaches as adjunct faculty at the iSchool at the University of Washington and also serves on the advisory boards for the University of Washington Libraries as well as the iSchool's Master of Science in Information Science program.

A 20-year veteran across multiple information management fields, Lee is a frequent speaker at international conferences and events. During his career, his team's work on the library intranet site at Microsoft was recognized with a "Center of Excellence Award for Technology" in 2003 by the Special Library Association's (SLA) Business & Finance Division. In addition, Lee was presented the 2006 Microsoft Marketing Excellence Award by Steve Ballmer, for a marketing and engineering partnership around a breakthrough market opportunity analysis process which is now a standard operating procedure across Microsoft.

Webpage:

http://www.microsoft.com/mscorp/tc/scholarly_communication.msp.

Quentin G. Bailey

College: Arts & Sciences

Department: Physics



Research Area:

- ◆ Theoretical and experimental aspects of testing Special and General Relativity

Professional Distinctions:

- ◆ Has given 26 invited and contributed talks
- ◆ Papers cited more than 115 times

Last Book Read:

Reason and Responsibility: Readings in Some Basic Problems of Philosophy (Joel Feinberg and Russ Shafer-Landau)

Last Movie Seen:

Slumdog Millionaire

Favorite Quote:

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

Teaching Philosophy:

Active learning is key! Get students doing rather than copying.

2008 Publications:

1. Bailey, Quentin G. "Gravitational Experiments Testing Lorentz Symmetry." [From Quantum to Cosmos III: Fundamental Physics in Space for the Next Decade, International Workshop](#): Airlie Center, VA, 2008. 2

2. ---. "Recent Gravitational Lorentz Symmetry Tests." 24th Pacific Coast Gravity Meeting: Santa Barbara, CA, 2008.
3. ---. "SME Gravitational Tests." American Physical Society: St. Louis, MO, 2008.
4. ---. "Testing Lorentz Symmetry With Gravity." Proceedings of the Fourth Meeting on CPT and Lorentz Symmetry: Kostelecky. Singapore: World Scientific, 2008. 178-84.

Jamie Beatty

College: Arts & Sciences

Department: Humanities & Communications



Research Areas:

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

Professional Distinctions:

Member of:

- ◆ National Council of Teachers of English
- ◆ Western Communication Association
- ◆ TESOL (Teaching English to Speakers of Other Languages)
- ◆ College English Association
- ◆ Phi Kappa Phi
- ◆ Delta Kappa Gamma
- ◆ Yavapai County Education Foundation, interview team for 2009 First Year Teacher of the Year awards

Last Book Read:

The Oath (John Lescroart)

Last Movie Seen:

The Secret Life of Bees

Favorite Quote:

"What would you do if you knew you could not fail?" – Author Unknown

Teaching Philosophy:

We are all students – look for openings and opportunities to join and enhance the dance for yourself and others.



2008 Publications:

1. Beatty, Jamie. "Passage to Sobriety Via Acts of Literacy."
Annual College English Association Conference: St. Louis, MO, 2008.

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

Professional Distinctions:

- ◆ Ph.D. in Applied Linguistics, Northern Arizona University, May 1999
- ◆ SGA Outstanding Faculty Member, May 2006
- ◆ Faculty Marshal, December 2007
- ◆ Past Director of the Honors Program
- ◆ Chair of the Department of Humanities/Communications

Last Books Read:

- ◆ *The Art of Living* (Epictetus)
- ◆ *The Heart of a Leader* (Ken Blanchard)

Last Movie Seen:

My Name Is Bruce

Favorite Quote:

"You can't get a cup of tea large enough or a book long enough to suit me." –C.S. Lewis



Teaching Philosophy:

The first question I ask when a student walks in my office is, "How may I serve you?" This basic question encapsulates my teaching philosophy: that I am here at ERAU as a writing instructor first and foremost to serve our students, to challenge them, to mentor them, to scaffold them, to help them become expert communicators in their chosen technical fields. I base my praxis on current sociocognitive models of learning, particularly models which explain how novices in a discipline gain expertise.

2008 Publications:

1. Beck, Angela, Richard Theis, and Patricia Watkins. "Pathways to Learning: Orchestrating the Role of Sustainability in Engineering Education." ASEE Annual Conference: Pittsburgh, PA, 2008.
2. Beck, Angela, Richard Theis, and Patricia Watkins. "The Pedagogies of Sustainability and the Ideologies of Engineering Faculty: Intersections." Flagstaff, AZ, 2008.



Raynald Bedard

College: Aviation

Department: Aeronautical Science



Research Area:

- ◆ Flight simulation

Professional Distinctions:

- ◆ College of Aviation Outstanding Faculty Award 2003, 2005, and 2006
- ◆ Service Excellence of the Year Award 2004
- ◆ Award for Innovative Excellence in Teaching, Learning and Technology 2005
- ◆ Mike Corradi Award 2006
- ◆ College of Aviation Researcher of the Year 2008
- ◆ Faculty Distinguished Service Award 2008

Last Book Read:

The Unthinkable: Who Survives When Disaster Strikes - and Why (Amanda Ripley)

Last Movie Seen:

Australia

Teaching Philosophy:

It is not about the teaching, it is about the learning!

2008 Publications:

1. Bedard, Raynald. "Establishment of an Arizona Simulation Research and Development Center." Briefing to President and CEO of Science Foundation Arizona: 2008.
2. ---. "Pilot EnterTraining." City of Prescott Economic Development Council: 2008.

Sally Blomstrom

College: Arts & Sciences

Department: Humanities & Communications

Research Areas:

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

Professional Distinctions:

- ◆ College of Arts & Sciences Researcher of the Year award, 2008, for a paper submitted with a colleague that was selected as a top-four paper by the National Communication Association in assessment.



Last Book Read:

The Purpose Driven Life (Rick Warren)

Last Movie Seen:

Slumdog Millionaire

Favorite Quote:

"Flaming enthusiasm, backed up by horse sense and persistence, is the quality that most frequently makes for success." – Dale Carnegie

Teaching Philosophy:

Actively engage students in learning.

2008 Publications:

1. Blomstrom, Sally. "Service-Learning Projects With University Departments." National Communication Association: San Diego, CA, 2008.
2. Blomstrom, Sally, et al. "Effects of Brief Training on Brainstorming." Journal of the Communication Speech and Theatre Association at North Dakota 21 (2008): 41-50.

Sally Blomstrom (continued)

3. Blomstrom, Sally, et al. "Exploring Descriptors and Educational Experience As Potential Contributors of Moral Development and Academic Honesty." Florida Journal of Communication (2008).
4. Blomstrom, Sally, Stacy DeVeau, and Richard Theis. "Creating Digital Media Presentations With Community Partners: Service-Learning and the NASA Education Resource Center." National Communication Association: San Diego, CA, 2008.
5. Blomstrom, Sally, and H. W. Tam. "Assessing the Learning in Service-Learning Projects Using Outcome Measures Recommended by the Commission on Public Relations Education." Scholarship for Sustaining Service-Learning and Civic Engagement (2008): 139-60.
6. ---. "Old Dog New Trick: Assessing Service-Learning With NCA's Assessment Framework and Oral Communication Competencies." National Communication Association, Communication Assessment Division's Top Four Papers Panel: San Diego, CA, 2008.



Richard W. Bloom

College: Arts & Sciences
Department: Global Studies

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
- ◆ The psychology of information warfare
- ◆ Critiques of post-modernism and post-structuralism in the contexts of psychological assessment and interpretation of historical, biographical, and autobiographical narrative



Professional Distinctions:

- ◆ Past-President, Military Psychology Division, American Psychological Association
- ◆ Fellow, Society of Air Force Clinical Psychologists
- ◆ American Academy of Clinical Psychology
- ◆ Society of Personality Assessment
- ◆ Inter-University Seminar on Armed Forces and Society
- ◆ Vice Chair, Aviation Security and Emergency Management Task Force
- ◆ Transportation Research Board
- ◆ Appointee, Governor of Arizona's Homeland Security Coordinating Council

Last Book Read:

An Introductory Dictionary of Laconian Psychoanalysis (Dylan Evans)

Last Movie Seen:

The Unknown

Richard Bloom (continued)

Favorite Quote:

"mmmmphhhooooooooooooe!" (attributed to granddaughter)

Teaching Philosophy:

See above.

2008 Publications:

1. Bloom, Richard. "Brain and Heart on Fire - Review of the Book *The Political Brain: the Role of Emotion in the Fate of the Nation.*" PsycCRITIQUES 53.2 (2008).
2. ---. "But Still a Gift: A Part of the Matter, Not the Heart of the Matter - Review of the Book *Handbook of Personality Assessment.*" PsycCRITIQUES 53.43 (2008).
3. ---. "Getting Safer - Review of the Book *Saving Lives: The S.A.F.E. Model for Resolving Hostage and Crisis Incidents.*" PsycCRITIQUES 53.11 (2008).
4. ---. "A Promising Analysis - Review of the Book: *Promises, Oaths, and Vows: On the Psychology of Promising.*" PsycCRITIQUES 53.33 (2008).



Ricardo Carreras

College: Arts & Sciences

Department: Aviation Business Administration

Research Area:

- ◆ Environmental economics and air transport economics

Favorite Quote:

“Wealthy individuals will always have more as they become poor than the poor will ever have as they become rich.”

Teaching Philosophy:

Avoid equality; pursue equitability. Be sure to have my brain properly connected to my tongue as I enter the classroom while ensuring that my brain is properly rested and in harmony with an adagio musical tempo.

2008 Publications:

1. Carreras, Ricardo Arturo. "A Political Case Study of Global Warming Economics: a Sovereignty Inquiry of the Melting Northwest Passage." The Clute Institute for Business and Economics: Salzburg, Austria, 2008.



Leann Chen

College: Arts & Sciences

Department: Humanities & Communications

Research Areas:

- ◆ Second language education
- ◆ Study abroad

Professional Distinctions:

- ◆ Invited to be included in Empire's American Professional Women: Who Is Who
- ◆ Member, Chinese Teachers Association of America
- ◆ Member, World Association of Teachers of Chinese



- ◆ Reviewer for Foreign Language Annals

Last Book Read:

The Chrysanthemum and the Sword (Ruth Benedict)

Last Movie Seen:

Slumdog Millionaire

Favorite Quote:

“Walking with two other people, I am sure I can learn something from them.” – Confucius

2008 Publications:

1. Chen, Leann. "ERAU/ASU Joint Proposal in Teaching Mandarin and Training Teachers of Mandarin, Summer 2008." STARTALK - Start Talking: Network for Program Excellence: Los Angeles, CA, 2008.

Stacy DeVeau

College: Arts & Sciences

Department: NASA Educator Resource Center

Research Area:

- ◆ Science education outreach

Professional Distinctions:

- ◆ Arizona Science Coordinators Association
- ◆ Arizona Science Teachers Association
- ◆ National Science Teachers Association
- ◆ Arizona Science and Engineering Fair
- ◆ North/Central Arizona Math/Science Consortium



Last Book Read:

Science Formative Assessment: 75 Practical Strategies for Linking Assessment, Instruction, and Learning (Page Keeley)

Last Movie Seen:

Amistad

Favorite Quote:

"Education is not a destination, it's a journey."

Teaching Philosophy:

As a provider of professional development opportunities for educators, I believe that learning is truly a lifelong adventure. Arming teachers with engaging ideas for presenting science content knowledge in interesting ways helps them operate outside their normal comfort zones and enhance students' potential in their lives and career choices.

2008 Publications:

1. Blomstrom, Sally, Stacy DeVeau, and Richard Theis. "Creating Digital Media Presentations With Community Partners: Service-Learning and the NASA Education Resource Center." National Communication Association: San Diego, CA, 2008.

Erica Diels

College: Aviation

Department: Flight Training

Research Areas:

- ◆ Ethics
- ◆ Moral development
- ◆ Aviation

Last Book Read:

Confidence (Rosabeth Moss Kanter)

Last Movie Seen:

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.

2008 Publications:

1. Diels, Erica, Gary Northam, and Brian Peacock. "Ethics and Ergonomics: Customer Satisfaction." Ergonomics in Design 16.3 (2008): 4-5, 29.



Javad Gorjidooz

College: Arts & Sciences

Department: Aviation Business Administration

Research Areas:

- ◆ Aviation finance
- ◆ International business and economics

Professional Distinctions:

- ◆ Ph.D. and MBA, Indiana University
- ◆ Diploma in Airline Finance & Accounting Management, International Air Transport Association (IATA) Training Institute, Montreal, Canada, 2007
- ◆ Recipient of scholarship from the University of Michigan to participate in 2009 Vietnam Faculty Development & Research in International Business
- ◆ Guest speaker at 2008 PBL National Fall Conference on Financial Literacy for Young Adults



Last Movie Seen:

Slumdog Millionaire

Notable Travels:

- ◆ Hanoi, Vietnam
- ◆ Barcelona, Spain
- ◆ Puerto Rico

2008 Publications:

1. Gorjidooz, Javad. "The Role of Euro on Eurozone Regionalism and World Globalization." International Business and Economics Research Journal 7.2 (2008): 77-84.
2. Gorjidooz, Javad, and B. Vasigh. "The Maquiladora Industry: Recent Downturn and Future Prospect." International Applied Business Research Conference: Puerto Rico, 2008.

Peter Grey

College: Aviation

Department: Flight Line

Research Area:

- ◆ Meteorology – monsoon research

Professional Distinctions:

- ◆ B.S. Applied Meteorology

Last Book Read:

Watership Down (Richard Adams)



Last Movie Seen:

Inkheart

Favorite Quote:

"There are only two emotions in a plane: boredom and terror." — Orson Welles

Teaching Philosophy:

Students should be given the experience required to draw their own conclusions about the world we live in.

2008 Publications:

1. Grey, Peter, Dorothea Ivanova, and Curtis James. "A Review of the Temporal and Spatial Variability of the Monsoonal Boundary." American Geophysical Union Fall Meeting: San Francisco, CA, 2008.



Eileen L. Groom

College: Arts & Sciences

Department: Humanities & Communications

Research Areas:

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

Professional Distinctions:

- ◆ Publication of *Methods for Teaching Travel Literature*
- ◆ Winner for both fiction and nonfiction in Arizona English Teachers Writing Contest



Last Book Read:

Travels With My Donkey: One Man and His Ass on a Pilgrimage to Santiago (Tim Moore)

Last Movie Seen:

The Bank Job

Favorite Quote:

"I think all happiness depends on the energy to assume the mask of some other life, on a rebirth as something not one's self." – William Butler Yeats

Teaching Philosophy:

Step by step.

2008 Publications:

1. Groom, Eileen L. "History of a Park." Arizona English Bulletin (2008): 39-40.
2. Groom, Eileen L., Editor. In the Air, Your Stories: a Talisman. Tempe, Arizona: Scholargy Custom Publishing, 2008.

James Helbling

College: Engineering

Department: Aerospace & Mechanical Engineering

Research Area:

- ◆ Structural fatigue life prediction

Professional Distinctions:

- ◆ SGA Faculty of the Semester Award, Fall 2004
- ◆ COE Outstanding Teacher, 2005-2006
- ◆ COE Student Marshall (four times)
- ◆ Presidential Citation for Outstanding Service, Spring 2006



Last Book Read:

The Heart of a Leader (Ken Blanchard)

Last Movie Seen:

Slumdog Millionaire

Favorite Quote:

"There is no pillow as soft as a clear conscience." – John Wooden

Teaching Philosophy:

Provide service and lead by example.

2008 Publications:

1. Helbling, James, and Lance Traub. "Impact of Rapid Prototyping Facilities on Engineering Student Outcomes." American Society for Engineering Education Annual Conference and Exposition (ASEE): Pittsburgh, PA, 2008.



Dorothea Ivanova

College: Aviation
Department: Meteorology

Research Areas:

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



Professional Distinctions:

- ◆ 2007 Research of the Year, College of Aviation, ERAU Prescott
- ◆ 2007 Outstanding New Faculty Award, CTLE, ERAU Prescott
- ◆ 2004 AMS Best Student Paper award at 84th AMS annual meeting, Seattle, WA
- ◆ 2003 Collin Warden Award in Atmospheric Science
- ◆ 2002 NOWCAST section, Papers of Note, AMS Bulletin, October: "Relating Sea Surface Temperatures and the North American Monsoon" by D.L. Mitchell, D. Ivanova, R. Rabin, K. Redmond, and T.J. Brown
- ◆ 1999 AMS/NASA Global Change scholarship – the 79th AMS meeting, Dallas, TX
- ◆ 1989 Golden Medal from Bulgarian Academy of Sciences for participating in the design and development of pulse photometer TERMA, carried by the Russian space orbital station MIR

Last Book Read:

In the Woods (Tana French)

Last Movie Seen:

Match Point

Teaching Philosophy:

It is not important how many times you fall, but how many times you stand back up.

Dorothea Ivanova (continued)

2008 Publications:

1. Grey, Peter, Dorothea Ivanova, and Curtis James. "A Review of the Temporal and Spatial Variability of the Monsoonal Boundary." American Geophysical Union Fall Meeting: San Francisco, CA, 2008.
2. Ivanova, Dorothea. "The ERAU Undergraduate Meteorology Program, Students' Learning, and Measures of Success." American Geophysical Union Fall 2008 Meeting: San Francisco, CA, 2008.
3. ---. "Impact of Small Ice Crystal Assumptions on Ice Sedimentation Rates in Cirrus Clouds and GCM Simulations." Geophysical Research Letters 35 (2008).
4. ---. "A Review of the Temporal And Spatial Variability of the Monsoonal Boundary Layer and Atmospheric Circulation in Arizona." American Geophysical Union Fall 2008 Meeting: San Francisco, CA, 2008.
5. Ivanova, Dorothea, et al. "Analysis of a North American Monsoonal Surge Event and Its Relation to Hazardous Aviation Weather." SAWSII FAA Aviation Weather Workshop: Phoenix, AZ, 2008.



Matthew Jaffe

College: Arts & Sciences
Department: Computer Science

Research Area:

- ◆ Software engineering

Professional Distinction:

- ◆ *Architectural Approaches to Limiting the Criticality of Commercial Off-the-Shelf (or Other Re-Used Software) Components in Avionics Systems* was selected for a Best in Session award at the 18th DASC.



Last Book Read:

Story of Edgar Sawtelle (David Wroblewski)

Favorite Quote:

"To save the world requires faith and courage: faith in reason, and courage to proclaim what reason shows to be true." – Bertrand Russell

2008 Publications:

1. Jaffe, Matthew, et al. "Progress Report on Some Proposed Upgrades to the Conceptual Software Engineering Underpinnings of DO178B/ED12B." 3rd International IET International System Safety Conference: 2008.



Curtis N. James

College: Aviation
Department: Meteorology

Research Area:

- ◆ Mesoscale, radar, and mountain meteorology

Professional Distinctions:

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

Last Book Read:

Blueprint for Learning (Laurie Richlin)



Last Movie Seen:

Sahara

Favorite Quote:

"GIT-R-DONE!!!" – Larry the Cable Guy

Teaching Philosophy:

By continually varying my teaching methods, I am able to reach more of the learning styles of my students and better stimulate their critical thinking skills.

2008 Publications:

1. Grey, Peter, Dorothea Ivanova, and Curtis James. "A Review of the Temporal and Spatial Variability of the Monsoonal Boundary." American Geophysical Union Fall Meeting: San Francisco, CA, 2008.
2. Ivanova, Dorothea, et al. "Analysis of a North American Monsoonal Surge Event and Its Relation to Hazardous Aviation Weather." SAWSII FAA Aviation Weather Workshop: Phoenix, AZ, 2008.
3. James, Curtis. "Weather Radar Imagery Interpretation in the Cockpit ." Southwest Aviation Weather Safety (SAWS) II Workshop: Phoenix, AZ, 2008.

Serena Lackey

College: Aviation
Department: Meteorology

Research Area:

- ◆ Meteorology

Professional Distinction:

- ◆ 2008 ERAU Chancellor Award

Last Book Read:

Once a Runner (John L. Parker)

Last Movie Seen:

The Princess Bride

Favorite Quote:

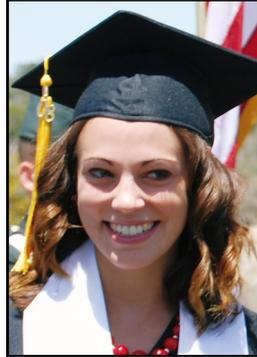
"To give anything less than your best is to sacrifice the gift." –
Steve Prefontaine

Teaching Philosophy:

Take control of your education.

2008 Publications:

1. Ivanova, Dorothea, et al. "Analysis of a North American Monsoonal Surge Event and Its Relation to Hazardous Aviation Weather." SAWSII FAA Aviation Weather Workshop: Phoenix, AZ, 2008.



David Lanning

College: Engineering
Department: Aerospace & Mechanical Engineering

Research Areas:

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

Professional Distinctions:

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



Last Book Read:

The Man Who Would Be King (Rudyard Kipling)

Last Movie Seen:

Brave New West

Teaching Philosophy:

Try not to let philosophy get in the way of education.

2008 Publications:

1. Lanning, David. "Evaluation for Prerequisite Skill Testing for Solid Mechanics." Pacific Southwest Regional ASEE Conference: Flagstaff, AZ, 2008.



Dennis J. Lessard

College: Aviation
Department: Aeronautical Science

Research Area:

- ◆ Aviation CRM applications in healthcare operating room teams

Professional Distinctions:

- ◆ Member, Delta Mu Delta, International Honor Society of Business Administration
- ◆ Board of Directors, Strategic Alliance for Error Reduction, California Medical Universities
- ◆ Member, University Aviation Association
- ◆ Member, International Society of Air Safety Investigators
- ◆ Member, Airline Pilots Association
- ◆ Member, Aircraft Owners and Pilots Association
- ◆ Member, Military Officers Association of America
- ◆ Member, Past Officer, Order of Daedalians, Fraternity of Military Pilots
- ◆ Adjunct Instructor, George Washington University, Northern Virginia Campus
- ◆ Adjunct Instructor, Los Angeles City College, Extended Campus, Japan
- ◆ Adjunct Instructor, ERAU, Worldwide Campus, Alaska
- ◆ Graduate, Leadership Institute, ERAU
- ◆ Graduate, Faculty Teaching Institute, ERAU CTLE
- ◆ Graduate, Faculty Online Teaching Certification, ERAU
- ◆ Recognized: *Who's Who Among America's Teachers*, 2005-2006
- ◆ Recognized: *Who's Who Among America's Teachers*, 2004-2005
- ◆ United Airlines Flight Operations Flight Safety Award
- ◆ United Airlines Captain, Retired
- ◆ Graduate, U.S. Air Force Air War College
- ◆ United States Air Force Colonel, Retired
- ◆ Military Decorations: Distinguished Flying Cross, Meritorious Service Medal; Air Medals



Dennis J. Lessard (continued)

Last Book Read:

TSAR (Ted Bell)

Last Movie Seen:

Mama Mia

Favorite Quote:

"It ain't over till it's over." —Yogi Berra

Teaching Philosophy:

Teaching is a shared journey between students and professors involving exploration, learning, and advancement within a specific body of knowledge through the educational interactions of the two.

2008 Publications:

1. Lessard, Dennis J. "Assessing Reduction of Operating Room Team Error Using Crew Resource Management Principles." North Central University, 2008.



Justin Luhm

College: Engineering

Department: Aeronautical Engineering

Research Area:

- ◆ Designing a tutorial for op-amp operation so that novice designers can properly use op-amps when creating circuits – without having to spend hours reading reference material

Professional Distinctions:

- ◆ ERAU Honors Program
- ◆ Dean's List

Last Book Read:

Angels and Demons (Dan Brown)

Last Movie Seen:

The Hunt for Red October

Favorite Quote:

"Speak softly and carry a big stick." –Theodore Roosevelt

Teaching Philosophy:

Learning shouldn't be suffering; teaching in a way that maximizes enjoyment and minimizes pain will keep students engaged in the material and enthusiastic about the subject matter.

2008 Publications:

1. Luhm, Justin, and John Post. "Inverting and Non-Inverting Amplifier Design Using Op Amps." Nuts & Volts (2008).



Douglas Magrath

College: Arts & Sciences

Department: Humanities & Communications

Research Areas:

- ◆ Language teaching methods
- ◆ Middle Eastern studies

Professional Distinctions:

- ◆ Teaching award, University of South Florida
- ◆ Certificate of Appreciation, Learning Center, Daytona State College



Last Book Read:

The Politics of the Middle East (Monte Palmer)

Last Movie Seen:

Turtles Can Fly

Favorite Quote:

"The beginning of Wisdom is the fear of God." –Hebrew/Arabic proverb

Teaching Philosophy:

Topical-interactive and student centered.

2008 Publications:

1. Magrath, Douglas. "Culture and the Mainstreamed ESL Student: Tracking ESL Students for Success." Perspectives on Community College ESL 3 (2008): 31-40.

Alan J. Malnar

College: Arts & Sciences

Department: Humanities & Communications

Research Areas:

- ◆ Robinson Jeffers
- ◆ Pedagogy

Professional Distinctions:

- ◆ Roberson Jeffers Association
- ◆ Phi Kappa Phi Honor Society
- ◆ Screen Actors Guild

Last Book Read:

Goodbye, Columbus (Philip Roth)

Last Movie Seen:

Jazz

Favorite Quote:

"Your life is no one's fault but your own."

Teaching Philosophy:

Empower the student; teach them the power of self-reliance.

2008 Publications:

1. Malnar, Alan. "Awaken Dangerous Images and Call the Hawks: a Brief Cultural History of the Bird of Prey." International Conference of Hawaii Arts and Humanities: Honolulu, HI, 2008.
2. ---. "Raptor Cartography: Mapping the Hawk Image in the Poetry of Robinson Jeffers." Robinson Jeffers Association Conference: Apros, CA, 2008.



Nika Nordbrock

College: Arts & Sciences

Department: Humanities & Communications

Research Areas:

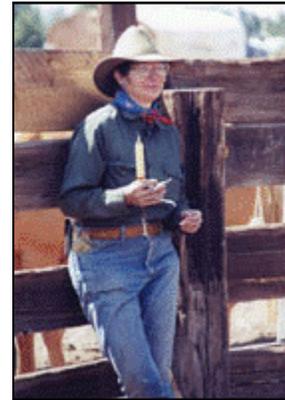
- ◆ Cowboy poetry
- ◆ Composition
- ◆ Diversity

Last Book Read:

Faithful Transgressions in the American West (Laura Bush)

Last Movie Seen:

Dances With Wolves



Favorite Quote:

"We always have freedom of choice. We never have freedom of consequences." —John Aston

Teaching Philosophy:

Make it relevant.

2008 Publications:

1. Nordbrock, Nika. "The Changing Face of the West and Cowboy Poetry." 38th Annual College English Association Conference: Saint Louis, MO, 2008.
2. ---. "Cowboy Poetry and the Changing Face of the West." RMMLA: Reno, NV, 2008.
3. ---. "Cowboys and Their Vocabulary." AZTESOL State Conference: Tucson, AZ, 2008.
4. ---. "The Las Vegas Ranch: Historic Ranch of Yavapai County." 21st Annual Arizona Cowboy Poets Gathering: Prescott, AZ, 2008.

5. ---. "Prescott: Better Than Ever." Rope Burns Magazine 22.6 (2008): 7.

6. ---. "Why Do Cowboys Write Poetry." 22nd Texas Cowboy Poetry Gathering: Alpine, TX, 2008.



Gary Northam

College: Aviation
Department: Safety Science



Research Areas:

- ◆ Professional ethics
- ◆ Aviation safety

Professional Distinctions:

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

Last Book Read:

A Brief History of Time (Stephen Hawking)

Last Movie Seen:

Forrest Gump

Favorite Quote:

"Not everything that can be counted counts, and not everything that counts can be counted." – Albert Einstein

Teaching Philosophy:

Active learning is better than listening to lectures.

2008 Publications:

1. Diels, Erica, Gary Northam, and Brian Peacock. "Ethics and Ergonomics: Customer Satisfaction." Ergonomics in Design 16.3 (2008): 4-5, 29.
2. Peacock, Brian, and Gary Northam. "ADS-B and Flight Safety." Anchorage, AK, 2008.
3. Peacock, Brian, Gary Northam, and Juergen Tank. "ADS-B Utility for Air Traffic Avoidance." Journal of Air Transportation (2008). (Notes: Sorenson Best Paper)

Allene Parker

College: Arts & Sciences
Department: Humanities & Communications

Research Areas:

- ◆ Literature, 19th Century to present
- ◆ Contemporary mystery fiction
- ◆ Comparative world religions
- ◆ Interdisciplinary studies

Professional Distinctions:

- ◆ Invited presenter at 2005 Oxford Round Table on Religious Education in the 21st Century



Last Book Read:

The Women (T.C. Boyle)

Last Movie Seen:

John Adams (HBO miniseries)

Favorite Quote:

"Compassion is the radicalism of our time." – The Dalai Lama

Teaching Philosophy:

Focused on students; rooted in a passion for the diverse subjects I teach; committed to excellence, compassion, and mutual respect for my students and colleagues; and nurtured by a strong belief that I am capable of making a positive impact on the lives of my students. ... I strive to encourage and develop students' interest and awareness in new ideas, critical thinking, scholarly and creative enterprises, and working with their peers in collaboration.

2008 Publications:

1. Parker, Allene M. "Sequence Ravelled Out of Sound': Textual Cohesion and Emily Dickinson's Language of Absence." Hawaii International Conference in the Humanities: 2008.

Brian Peacock

College: Aviation
Department: Safety Science

Research Area:

- ◆ Ergonomics

Professional Distinctions:

- ◆ Ph.D.
- ◆ P.E.
- ◆ C.P.E.
- ◆ Private pilot
- ◆ Fellow of the Ergonomics Society (UK)
- ◆ Fellow of the Human Factors and Ergonomics Society (USA)



Last Book Read:

The Normans: The History of a Dynasty (David Crouch)

Last Movie Seen:

The Blues Brothers

Favorite Quote:

"When you come to a fork in the road, take it." – Yogi Berra

Teaching Philosophy:

Interest and entertain them.

2008 Publications:

1. Diels, Erica, Gary Northam, and Brian Peacock. "Ethics and Ergonomics: Customer Satisfaction." Ergonomics in Design 16.3 (2008): 4-5, 29.
2. Ivanova, Dorothea, et al. "Analysis of a North American Monsoonal Surge Event and Its Relation to Hazardous Aviation Weather." SAWSII FAA Aviation Weather Workshop: Phoenix, AZ, 2008.

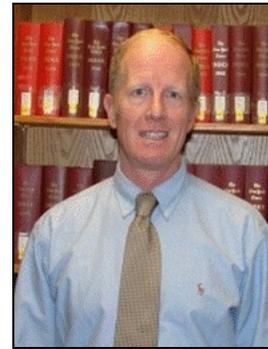
3. Peacock, Brian. "The Grammar of Design." International Design Conference: Miami, FL, 2008.
4. ---. "System Safety in Aviation." National Safety Council / ARTEX Conference: Prescott, AZ, 2008.
5. Peacock, Brian, and Gary Northam. "ADS-B and Flight Safety." Anchorage, AK, 2008.
6. Peacock, Brian, Gary Northam, and Juergen Tank. "ADS-B Utility for Air Traffic Avoidance." Journal of Air Transportation (2008). (Notes: Sorenson Best Paper Award)
7. Peacock, Brian, and G. Peacock. "Ergonomics and Autism." Annual Human Factors and Ergonomics International Conference: Las Vegas, NV, 2008.
8. Peacock, Brian, Eric Savage, and William Waldock. "Computer Simulation of Emergency Egress From Transport Category Aircraft." University Aviation Association Research Conference: Denver, CO, 2008.
9. ---. "Simulation of Emergency Evacuation in Transport Category Aircraft." Southern California Safety Institute Annual Cabin Safety Conference: Los Angeles, CA, 2008.



John (Ed) Post

College: Engineering

Department: Electrical & Computer Engineering



Research Areas:

- ◆ Planar microwave circuits and devices
- ◆ Engineering education

Professional Distinctions:

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

Favorite Quote:

"Courage is not the lack of fear, it is acting in spite of it." – Mark Twain

2008 Publications:

1. Luhm, Justin, and John Post. "Inverting and Non-Inverting Amplifier Design Using Op Amps." Nuts & Volts (2008).
2. Post, John. "A Simple Superhet." Nuts & Volts (2008).
3. ---. "VHF Frequency Multiplication Using the SA602 IC." QEX (2008).



Randolph S. Reynolds III

College: Aviation
Department: Air Science

Research Area:

- ◆ Aeronautics technology development

Professional Distinction:

- ◆ Hugh L. Dryden Fellowship (awarded by NASA Headquarters, 1993)

Last Book Read:

A Soldier of the Great War (Mark Helprin)

Last Movie Seen:

Queen Margot

Favorite Quote:

"Man's flight through life is sustained by the power of his knowledge." – Austin "Dusty" Miller

Teaching Philosophy:

A coach who expects students to reach higher than they think they can go.

2008 Publications:

1. Reynolds, Randolph S. III. Life and Death of NASA Aeronautics: A History of Civil Aeronautics Research, 2008.



Eric Savage

College: Aviation
Department: Safety Science

Research Areas:

- ◆ Simulation of emergency evacuation
- ◆ Rotorcraft external vision
- ◆ Risk analysis of safety innovations

Last Book Read:

Freakonomics (Steven D. Levitt and Stephen J. Dubner)



Last Movie Seen:

No Country for Old Men

Favorite Quote:

"Never go full retard." –from the movie *Tropic Thunder*

Teaching Philosophy:

Teach until their brains are soft and tender like a ripe banana...then scoop it all out with a melon baller...mmmmh, good.

2008 Publications:

1. Peacock, Brian, Eric Savage, and William Waldock. "Computer Simulation of Emergency Egress From Transport Category Aircraft." University Aviation Association Research Conference: Denver, CO, 2008.
2. ---. "Simulation of Emergency Evacuation in Transport Category Aircraft." Southern California Safety Institute Annual Cabin Safety Conference: Los Angeles, CA, 2008.

3. Savage, Eric. "Human Factors of Aircraft Accident Investigation." National Safety Council - International Air Transport Section: Prescott, AZ, 2008.
4. ---. "Human Factors of NVG/D's: Impacts of Research." Arizona Department of Public Safety - Annual Safety Training: Phoenix, AZ, 2008.

Mark Sinclair

College: Aviation
Department: Meteorology



Research Area:

- ◆ Synoptic and dynamic meteorology

Professional Distinctions:

- ◆ Listed in *Who's Who in America*
- ◆ Listed in *Who's Who Among America's Teachers* (multiple)
- ◆ Listed in *Who's Who in American Universities and Colleges*

Last Book Read:

The Minor Prophets (James Montgomery Boice)

Last Movie Seen:

Pollyanna

Favorite Quote:

"For our light affliction, which is but for a moment, worketh for us a far more exceeding and eternal weight of glory." – The Apostle Paul

Teaching Philosophy:

Use analogies, stress relevance, use enthusiasm and humor to connect with students.

2008 Publications:

1. Ivanova, Dorothea, et al. "Analysis of a North American Monsoonal Surge Event and Its Relation to Hazardous Aviation Weather." SAWSII FAA Aviation Weather Workshop: Phoenix, AZ, 2008.



Juergen Tank

College: Aviation

Department: Flight/Aviation Safety

Research Area:

- ◆ Human factors in aviation safety

Professional Distinctions:

- ◆ International Society of Air Safety Investigators, member
- ◆ University Aviation Association, John K. Lauber Safety Award, 2006

Last Book Read:

The Human Contribution (James Reason)

Last Movie Seen:

Empire of the Sun

Favorite Quote:

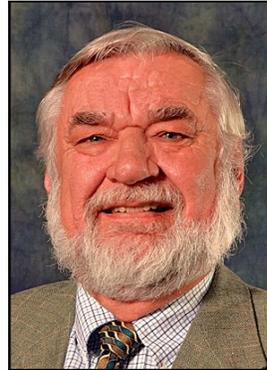
"The roots of education are bitter, but the fruit is sweet." – Aristotle

Teaching Philosophy:

Teachers can be learners, and learners can be teachers.

2008 Publications:

1. Peacock, Brian, Gary Northam, and Juergen Tank. "ADS-B Utility for Air Traffic Avoidance." Journal of Air Transportation (2008). (Notes: Sorenson Best Paper Award)



Richard Theis

College: Arts & Sciences

Department: Humanities & Communications

Research Areas:

- ◆ Technology
- ◆ Narrative research

Last Book Read:

The Wild Braid: A Poet Reflects on a Century in the Garden (poet Stanley Kunitz with Genine Lentine)

Last Movie Seen:

Thelonious Monk: Straight, No Chaser



2008 Publications:

1. Beck, Angela, Richard Theis, and Patricia Watkins. "Pathways to Learning: Orchestrating the Role of Sustainability in Engineering Education." ASEE Annual Conference: Pittsburgh, PA, 2008.
2. Beck, Angela, Richard Theis, and Patricia Watkins. "The Pedagogies of Sustainability and the Ideologies of Engineering Faculty: Intersections." Flagstaff, AZ, 2008.
3. Blomstrom, Sally, Stacy DeVeau, and Richard Theis. "Creating Digital Media Presentations With Community Partners: Service-Learning and the NASA Education Resource Center." National Communication Association: San Diego, CA, 2008.



Lance Traub

College: Engineering
Department: Aerospace Engineering

Research Area:

- ♦ Applied and theoretical aerodynamics

Last Book Read:

Thumbelina (I read to my daughter at night.)

Last Movie Seen:

Barbie and the Seven Princesses (Yup, my daughter again.)

Favorite Quote:

"He who hesitates is lost."

Teaching Philosophy:

Teach what you love, love what you teach.

2008 Publications:

1. Helbling, James, and Lance Traub. "Impact of Rapid Prototyping Facilities on Engineering Student Outcomes." ASEE Annual Conference: Pittsburgh, PA, 2008.



William Waldock

College: Aviation
Department: Safety Science

Research Area:

- ♦ Aircraft crashworthiness and survivability

Professional Distinctions:

- ♦ Fellow, American College of Forensic Examiners

Last Book Read:

The TCU Football Vault (Dan Jenkins)



Last Movie Seen:

The Changeling

Favorite Quote:

"Fight 'em till Hell freezes over, then fight 'em on the ice." – Dutch Meyer

Teaching Philosophy:

Our students today are the leaders tomorrow. We have the opportunity to shape the future...so it is essential for us to do the best job we can as teachers and mentors.

2008 Publications:

1. Peacock, Brian, Eric Savage, and William Waldock. "Computer Simulation of Emergency Egress From Transport Category Aircraft." University Aviation Association Research Conference: Denver, CO, 2008.
2. ---. "Simulation of Emergency Evacuation in Transport Category Aircraft." Southern California Safety Institute Annual Cabin Safety Conference: Los Angeles, CA, 2008.

3. Waldock, William. "100 Years of Aircraft Accident Investigation." 12th Annual Greater Southwest Aviation Maintenance Symposium: Mesa, AZ, 2008.
4. ---. "Aircraft Accident Investigation ." National Safety Council Aviation Ground Safety Seminar: Prescott, AZ, 2008.
5. ---. "Grand Canyon Air Disaster." American Aviation Historical Society: Prescott, AZ, 2008.
6. ---. "Investigation of Maintenance-Involved Aircraft Accidents." Arizona Department of Public Safety Aviation Unit Safety Standdown: Phoenix, AZ, 2008.
7. ---. "Maintenance-Related Aircraft Accidents." 12th Annual Greater Southwest Aviation Maintenance Symposium: Mesa, AZ, 2008.



Bradley Wall

College: Engineering

Department: Aerospace & Mechanical Engineering



Research Areas:

- ◆ Orbital mechanics
- ◆ Optimization

Professional Distinctions:

- ◆ Member, LIGO scientific collaboration

Last Book Read:

The Invisible Man (Ralph Ellison)

Last Move Seen:

Quantum of Solace

Favorite Quote:

"Do or do not, there is no try." —Yoda

Teaching Philosophy:

Help people to develop their potential.

2008 Publications:

1. Wall, Bradley. "Shape-Based Approach to Low-Thrust Rendezvous Trajectory Design." Journal of Guidance, Control, and Dynamics (2008).
2. ---. "Shape-Based Approximation Method for Low-Thrust Trajectory Optimization." AIAA/AAS Spaceflight Mechanics Conference: Honolulu, HI, 2008.
3. Wall, Bradley, and B. A. Conway. "Genetic Algorithms Applied to the Solution of Hybrid Optimal Control Problems in Astrodynamics." Journal of Global Optimization (2008).

Patricia Watkins

Department: Library

Research Areas:

- ◆ Information literacy
- ◆ Library marketing and communications

Professional Distinctions:

- ◆ Member, AzLA
- ◆ Member, ASEE/ELD

Last Book Read:

American Wife (Curtis Sittenfield)

Last Movie Seen:

The Triplets of Belleville

Favorite Quote:

"If at first you don't succeed, try, try again."

Teaching Philosophy:

Teaching is a two-way street—seeing students truly engaged in what they're studying is the highest high.

2008 Publications:

1. Beck, Angela, Richard Theis, and Patricia Watkins. "Pathways to Learning: Orchestrating the Role of Sustainability in Engineering Education." ASEE Annual Conference: Pittsburgh, PA, 2008.
2. Beck, Angela, Richard Theis, and Patricia Watkins. "The Pedagogies of Sustainability and the Ideologies of Engineering Faculty: Intersections." Flagstaff, AZ, 2008.
3. Watkins, Patricia. "New Tools and Techniques for Information Literacy." ASEE National Conference: Pittsburgh, PA, 2008.



Michele Zanolin

College: Arts & Sciences

Department: Physics

Research Areas:

- ◆ Gravitational waves detection
- ◆ Acoustic sensing

Professional Distinctions:

- ◆ Member of the LIGO scientific collaboration

Last Book Read:

Smilla's Sense of Snow (Peter Hoeg)



Last Movie Seen:

The Fifth Element

Favorite Quote:

"Example is not the best way to teach, it is the only way." — Albert Schweitzer

Teaching Philosophy:

Help people to develop their potential.

2008 Publications:

1. Markowitz J., et al. "Gravitational Wave Burst Source Direction Estimation Using Time and Amplitude Information." Physical Review D 122003 (2008).
2. Zanolin, Michele. "S5y1 Low Frequency Burst Search." LSC-Virgo Conference: Washington, D.C., 2008.
3. ---. "Search for High Frequency Burst Triggers in the First Year of S5." LSC-Virgo Conference: Paris, France, 2008.
4. Zanolin, Michele, and LIGO Group. "All-Sky LIGO Search for Periodic Gravitational Waves in the Early S5 Data." ArXiv 0810.0283 (2008).

5. ---. "Beating the Spin-Down Limit on Gravitational Wave Emission From the Crab Pulsar." ApJ Lett 683 (2008).
6. ---. "Implications for the Origin of GRB 070201 From LIGO Observations." Astrophysical Journal 681 (2008): 1419-30.
7. ---. "A Joint Search for Gravitational-Wave Bursts With AURIGA and LIGO." Class. Quantum Grav. 25 (2008): 095004.
8. ---. "Search for Gravitational Wave Bursts From Soft Gamma Repeaters." Phys. Rev. Lett. 101 (2008).



Scholarly Speaking

April 9, 2009

Program

I. Welcome

John Jenkins

*Associate Dean of Academic Support
Embry-Riddle Aeronautical University
Prescott Campus*

I. Introduction

Sarah Thomas

Director

*Christine and Steven F. Udvar-Hazy
Library and Learning Center*

II. Author Recognition

III. Speaker

Lee Dirks

*Director of Education & Scholarly Communications,
Microsoft External Research Group
Presenting "The Future of Scholarly Communication &
Recent Innovations from Microsoft"*

Acknowledgements

*John Jenkins
Associate Dean of Academic Support*

*Christine and Steven F. Udvar-Hazy
Library and Learning Center*

Scholarly Speaking Committee

Joanne Evanoff, Chair

Suzanne deLong

Evelyn Harris

Kathy Hill

Suzie Roth

Sarah Thomas

Patricia Watkins