

7.2 List of Publications

34th Education Group

Publications:

FARQUHAR, JOHN T. "Defender of the Constitution, Servant of the Nation," in *The Armed Forces Officer*, forthcoming 2004.

FARQUHAR, JOHN T. "The U.S. Air Force Historical Perspective," in *Airman*, forthcoming 2004.

TALBOT, BRENT J. "Gambling with History: The Making of a Democratic Iraq," in *Air and Space Power Chronicles*, June 2004.

TALBOT, BRENT J. "Mailed Fist or Velvet Glove? Approaches to Deterrence in the Middle East," in *Deterrence in the Early Twenty-First Century: Compellence, Deterrence, Dissuasion and Assurance*, forthcoming 2004.

Department of Aeronautics

Publications:

COHEN, K., S. Siegel, T. McLaughlin, and E. Gillies. "Feedback Control of a Cylinder Wake Low-Dimensional Model," *AIAA Journal*, Vol. 41, No. 8, Vol. 41, No. 8, August 2003.

CUMMINGS, R., J. Forsythe, S. Morton, and K. Squires. "Computational Challenges in High Angle of Attack Flow Prediction," *Progress in Aerospace Sciences*, Vol. 39, No. 5, 2003, July 2003.

FORSYTHE, J., J. Wentzel, K. Squires, and K. Wurtzler. "Computation of Prescribed Spin for a Rectangular Wing and for the F-15E using Detached-Eddy Simulation," *AIAA Paper 2003-0839*, 2003-0839, July 2003.

MORTON, S., J. Forsythe, R. Cummings, and M. Steenman. "DES Grid Resolution Issues for Vortical Flows on a Delta Wing and an F-18C," *AIAA Paper 2003-1103*, 2003-1103, July 2003.

SERRANO, M., E. Leigh, W. Johnson III, and J. Forsythe. "Computational aerodynamics of the C-130 in airdrop configurations," *AIAA Paper 2003-0229*, July 2003.

VISWANATHAN, A., K. Squires, and J. Forsythe. "Detached-Eddy Simulation of the flow over a shallow cavity," *AIAA Paper 2003-0265*, July 2003.

Presentations:

COHEN, K., S. Siegel, and T. McLaughlin. "Control Issues in Reduced-Order Feedback Flow Control," 42nd AIAA Aerospace Sciences Meeting, Reno, NV, USA, January 2004.

MORTON, S., R. Cummings, J. Forsythe, and K. Wurtzler. "High Resolution Computational Unsteady Aerodynamic Techniques Applied to Maneuvering UCAVs," CEAS Conference, 2003, USAFA, CO, USA, July 2003.

MORTON, S., R. Cummings, and J. Forsythe. "Multidisciplinary Applications of Detached-Eddy Simulation to Separated Flows at High Reynolds Numbers," High Performance Computing Users Group Meeting, USAFA, CO, USA, July 2003.

Department of Astronautics

Presentations:

BARNHART, D., O. Ritchey, J. Sellers, et. al. "EyasSAT: Transforming the Way Students Experience Space Systems Engineering," 2004 ASEE Annual Conference & Exposition, Salt Lake City, UT, June 2004.

BARNHART, D., Duggan, Suter, and Stevens. "Utilizing Asynchronous Logic for Performance Improvement in Space Applications," 40th Nuclear and Space Radiation Effects Conf, Monterey, CA, July 2003.

BARNHART, D. "Utilizing Asynchronous Logic for Performance Improvement in Space Applications," 40th Nuclear and Space Radiation Effects Conf, Monterey, CA, July 2003.

SIEGENTHALER, K. and E. Bowman. "A Community Public Service Capstone Engineering Design Project: A Collapsible Ramp for an Electric Cart/Wheelchair," ASEE 2004 Annual Conference & Exposition, Salt Lake City, UT, June 2004.

SIEGENTHALER, K. "Advanced Mathematics Preparation for Graduate School of Undergraduate Science and Engineering Students," ASEE 2004 Annual Conference & Exposition, Salt Lake City, UT, June 2004.

SIEGENTHALER, K., D. Barnhart, J. Sellers, and et. al. "Educational Methods/Aids Used in the Astronautics Core Course at the United States Air Force Academy," 2004 ASEE Annual Conference & Exposition, Salt Lake City, UTAH, June 2004.

SIEGENTHALER, K., J. Sellers, D. Richie, and T. Lawrence. "Student Design, Development and Operations of Small Satellites at the United States Air Force Academy," ASEE 2004 Annual Conference & Exposition, Salt Lake City, UT, June 2004.

SWANSON, D., K. Siegenthaler, D. Barnhart, and et. al. "Spacemanship at the United States Air Force Academy: Developing a Satellite Ground Station Crew Training Program for Non-Technical Students," ASEE 2004 Annual Conference & Exposition, Salt Lake City, UT, June 2004.

Department of Biology

Publications:

PIGAGE, H., J. Pigage, and J. Tillman. "Fleas Associated with the Northern Pocket Gopher (*Thomomys talpoides*) in Elbert County, Colorado," *Western North American Naturalist*, June 2004.

WESTMORELAND, D., S. Porta, G. Leitner, and M. Knapp. "The effect of supplementation on exercise-induced plasma magnesium shifts and lactic acid accumulation in female youths," *Trace Elements and Electrolytes*, May 2004.

WILCOX, M. and S. Barrett. "Edge encoding mechanisms in *Musca domestica*," *Biomedical Sciences Instrumentation*, January 2004.

WILCOX, M. and S. Barrett. "Edge encoding mechanisms in the parallel L4 neuron array of the fly (*Musca domestica*)," *Biomedical Science & Instrumentation*, July 2003.

Presentations:

BEACHKOFISKY, T. and E. Snellman. "Subcloning for the lipase structural gene, *lipA*, from *Acinetobacter venetianus* RAG-1," Annual Meeting (Regional), Tri Beta Nat Bio Soc, Pueblo, CO, April 2004.

BEACHKOFISKY, T. and E. Snellman. "Subcloning for the lipase structural gene, *lipA*, from *Acinetobacter venetianus* RAG-1," Colorado -Wyoming Academy of Science, Denver, CO, April 2004.

BEACHKOFISKY, T. and E. Snellman. "Subcloning for the lipase structural gene, *lipA*, from *Acinetobacter venetianus* RAG-1," UCCS/USAF Undergraduate Conference, Colorado Springs, CO, May 2004.

CASILLAS, V., J. Lepper, E. Unangst, and J. Krueger. "Effects of simulated herbivory on 1-year old *Pinus ponderosa* and *Pinus silvestris*," Tri-Beta Western Regional Symposium, Pueblo, CO, April 2004.

CONKLIN, J., W. Sack, M. Rottinghaus, and E. Unangst. "Effects of tree height, diameter, basal area, moisture content, and altitude on a predictive model of bark thickness in *Pinus ponderosa*," Tri-Beta Regional Symposium, Pueblo, CO, April 2004.

HOFFECKER, D., C. Ankony, and E. Unangst. "Accuracy, Precision, and timeliness of data collection with tablet and pocket PC's," Tri-Beta Regional Symposium, Pueblo, CO, April 2004.

KING, S. and E. Snellman. "Effects of pulsed laser-light on human epithelial tissue," Tri Beta National Meeting, Grand Junction, CO, May 2004.

KING, S. and E. Snellman. "Effects of pulsed laser-light on human retinal pigmented epithelium tissue," UCCS/USAF Undergraduate Conference, Colorado Springs, CO, May 2004.

LEPPER, J., E. Unangst, J. Krueger, and V. Cassillas. "Effects of simulated herbivory on 1-year old *Pinus ponderosa* and *Pinus silvestris*," AAAS SWARM MEETING, Denver, CO, April 2004.

MAAS, A. "Screening for esterase activity in thermophilic bacteria," Tri-Beta Biological Society, Grand Junction, CO, May 2004.

MAAS, A. and E. Snellman. "Screening for esterase activity in thermophilic bacteria," Tri-Beta Biological Meeting, Pueblo, CO, April 2004.

OBRINGER, J. and E. Snellman. "Differential gene expression in human RPE explants after high-energy, pulsed laser-light exposures," SWARM, AAAS PROCEEDINGS, Tulsa, OK, April 2004.

OSTWALD, A. and E. Snellman. "Molecular cloning of a vibriobactin-binding protein, *viuA*, in *Vibrio cholerae* O1 el Tor," Tri-Beta Regional Symposium, Pueblo, CO, April 2004.

PARK, J., K. Thopson, and E. Unangst. "Effects of Core body temperature and dehydration on noninvasive estimates of body composition in the common bullfrog (*Rana catesbeiana*)," AAAS SWARM MEETING, Denver, CO, April 2004.

SACK, W., E. Unangst, J. Conklin, and J. Krueger. "Effects of tree height, diameter, basal area, moisture content, and altitude on a predictive model of bark thickness in *Pinus ponderosa*," AAAS SWARM MEETING, Denver, CO, April 2004.

THOMPSON, K., J. Park, and E. Unangst. "Effects of Core body temperature and dehydration on noninvasive estimates of body composition in the common bullfrog (*Rana catesbeiana*)," Tri-Beta Regional Symposium, Pueblo, CO, April 2004.

TITLE, A., J. Krueger, and R. Noyd. "To what extent does ponderosa pine bark modulate daily temperature fluctuations for living cambial tissue?" Tri-Beta Western Regional Symposium, Pueblo, CO, April 2004.

WESTMORELAND, D. "The effect of Mg²⁺ supplementation of plasma Mg²⁺ shifts and lactic acid accumulation in female youths.," Germany-Austria-Switzerland Magnesium Symposium, Fulda, Germany, July 2003.

Department of Behavioral Sciences and Leadership

Publications:

- ANDRE, T., H. Hartson, and R. Williges. "Determining the Effectiveness of the Usability Problem Inspector: A Theory Based Model and Tool for Finding Usability Problems," *Human Factors*, 45, 455-482, August 2003.
- ANDRE, T., H. Hartson, and R. Williges. "Determining the effectiveness of the usability problem inspector: A theory based model and tool for finding usability problems.," *Human Factors*, 45, 455-482, December 2003.
- CAMPBELL, W. and C. Foster. "Developing a Psychology of Terrorism," *Contemporary Psychology*, in press, May 2004.
- DYCHE, J., J. Miller, R. Cardenas, and W. Carr. "Effects of Three Watchstanding Schedules on Submariner Physiology, Performance, and Mood," NSMRL Technical Report, No. 1229, August 2003.
- DYCHE, J. "Psychological Science Onboard a Submarine," *APS Observer*, 16, 43-44, August 2003.
- GUARASCIO-HOWARD, L., R. Walton, and T. Andre. "Relevance of the user action framework and heuristics to e-learning.," *Proceedings of the Human Factors and Ergonomics So*, 880-884, November 2003.
- KATAYAMA, A. and S. Crooks. "Differential Effects of Studying Completed Or Partial Graphically Organized Notes On-Line," *Journal of Experimental Education*, 71, 293-312, November 2003.
- MASTROIANNI, G., D. Chuba, and M. Zupan. "Self Pacing and Cognitive Performance While Walking," *Applied Ergonomics*, 34, 131-139, July 2003.
- MCKINNEY, E., J. Barker, D. Smith, and K. Davis. "The Role of Communication Values in Swift Starting Action Teams: IT Insights from Flight-crew Experience," *Information and Management*, in press, November 2003.
- POWELL, S. and D. McCone. "Treatment of adjustment disorder with anxiety: A Sept. 11, 2001 case study with a one year follow up.," *Cognitive and Behavioral Practice*, in press, November 2003.
- POWELL, S. and M. Butler. "A Review of the Valpar Test of Essential Skills," *The Sixteenth Mental Measurements Yearbook*, in press, November 2003.
- POWELL, S. and M. Butler. "A Review of the Children's Color Trails Test.," *The Sixteenth Mental Measurements Yearbook*, in press, November 2003.
- PURTEE, M., T. Andre, I. Schurig, and J. Good. "Generalized Operations Simulation Environment for Aircraft Maintenance Training.," *HFM Symposium on Advanced Techn. For Military Tra*, 42-50, November 2003.
- PURTEE, M., M. Krusmark, K. Gluck, and S. Kotte. "Verbal Protocol Analysis for Validation of UAV Operator Model.," *Interservice/Industry Training Simulation*, 25th proceedings, December 2003.
- SAMUELS, S. and D. Samuels. "Reconstructing Culture: Privilege and Change at the United States Air Force Academy," *Race, Gender, and Class: Privilege*, 10, 4, August 2003.
- SCHOOL SPIRIT STUDY GROUP (DR. S. SAMUELS) "Measuring School Spirit: A National Teaching Exercise.," *Teaching of Psychology*, 31, 18-21, May 2004.
- SCOTT, W. "Vietnam Veterans Since the War: The Politics of PTSD, Agent Orange, and the National Memorial," *Book*, May 2004.
- SHOBE, K., M. Bing, C. Duplessis, and J. Dyche. "Psychological, Physiological, and Medical Impact of the Submarine Environment on Submariners with Application to VIRGINIA Class Submarines," NSMRL Technical Report, No. 1229, May 2004.
- SIDOR, G., D. Greschke, T. Andre, and I. Schurig. "Technology insertion process: Determining task deficiencies and matching to effectiveness technologies.," *HFM Symposium on Advanced Tech for Military Training*, 83-91, November 2003.
- WRIGHT, K., J. Ness, A. Adler, and C. Castrow. "Validation of Psychological Screening Procedures for Deploying US Forces," *NATO Research and Technology Org*, RTO-MP-109, July 2003.

Presentations:

COONEY, R. and G. Swanson. "Sociology at the US Air Force Academy," Inter-university Seminar on Armed Forces and Society, Chicago, IL, October 2003.

DOWNIE, S., B. Self, and T. Andre. "Measuring the Time Constant in Simulated Disorientation," American Psychological Associa/Div. 19, Fort Belvoir, VA, March 2004.

JOHNSON, S. and C. Rate. "Unmasking the Classroom," Professional and Organizational Development Network, Denver, co, October 2003.

LEFEBVRE, A., J. Nelson, and T. Andre. "Effectiveness of Managing Multiple Unmanned Aerial Vehicles with Respect to Workload and Type of Target Display Symbology," American Psychological Associa/Div. 19, Fort Belvoir, VA, March 2004.

LEWIS, T. and S. Powell. "Measuring Assertiveness in Military Academy Cadets," Rocky Mountain Psychological Assoc., Reno, Nevada, USA, April 2004.

LINFORD, M., G. Moran, R. Jackson, and C. Foster. "Big Five Personality Traits and Transformational Leadership at the United States Air Force Academy," Engineering and Military Psychology, Fort Belvoir, VA, May 2004.

MASTROIANNI, G. "From Close Combat to Close Contact," US-German High Resolution Modeling of Infantry War, Monterey, CA, March 2004.

SAMUELS, S. and W. Casebeer. "The Best of Both Worlds: Using Social Psychology to Improve Character Development Practices," 11th National Character and Leadership Symposium, United States Air Force Academy, CO, February 2004.

Department of Chemistry

Publications:

FRAGA, C., A. Sinha, B. Prazen, and R. Synovec. "Trilinear Chemometric Analysis of Two-Dimensional Comprehensive Gas Chromatography-Time-of-Flight Mass Spectrometry Data," *Journal of Chromatography A*, 1027, February 2004.

HEIMER, N., Rico Del Sesto, and Robert Carper. "Evidence for spin diffusion in a H,H-NOESY study of imidazolium tetrafluoroborate ionic liquids," *Magnetic Resonance in Chemistry*, 42, January 2004.

MORGAN, M. and Phillip A. Bryant. "LabWorks and the Kundt's Tube: A New Way to Determine the Heat Capacities of Gases," *Journal of Chemical Education*, 81/1, January 2004.

WILKES, J. "Area Dominance Munition Electric Power," *Area Dominance Munition Tech Dev Prog*, October 2003.

WILKES, J., M. Van Valkenburg, L. Vaughn, and Margarate Williams. "Ionic Liquids as Thermal Fluids," *Molten Salts XIII*, 2002-19, July 2003.

WILKES, J., Simon Ritchie, David Pickett, and Larry Vaughn. "Power System Feasibility Study for the Persistent Area Dominance Program," *Technical Report*, October 2003.

WILKES, J., R. Del Sesto, A. Yeates, and F. Ghebremichael. "Modeling, Synthesis and Characterization of Third-Order Nonlinear Optical Salts," *Proc. 48th Ann Mig Int Soc for Opt Eng*, 5212, August 2003.

WILKES, J. "Properties of Ionic Liquid Solvents for Catalysis," *Journal of Molecular Catalysis*, 214/1, May 2004.

Presentations:

BALAICH, G., Christopher Pittoti, Radha Pyati, and Jane Johnson and Norman Heimer. "Synthesis of the C₂-symmetric [2]-Ferrocenophane, rac-[Fe(n⁵-C₅H₂Bu₂t)(CHBut)₂]: Spectroscopic and electrochemical properties," 227th American Chemical Society National Meeting, Anaheim, CA, March 2004.

BROTHERTON, T. and Christopher Kurpiel. "Rapid Room Temperature Electropolishing Technique," 227th American Chemical Society National Meeting, Anaheim, CA, March 2004.

HICKS, B., Arthur Clarkson, and James Rohrbough. "Development of Food-Based Vaccines for Salmonids for Inoculation Against Infections Hematopoietic Necrosis Virus And Potentially Whirling Disease," 227th American Chemical Society National Meeting, Anaheim, CA, March 2004.

HICKS, B. and John Balyeat. "Examination Of Mitochondrial Codon Preference For Support Of The Endosymbiont Theory For The Origin Of Mitochondria," UCCS Undergraduate Research Conference, Colorado Springs, CO, May 2004.

MORGAN, M. and Matthew Pastewait. "Density Function Calculations Applied to Virtual Orbitals," 227th American Chemical Society National Meeting, Anaheim, CA, March 2004.

MORGAN, M. "The 2nd Law of Thermodynamics: Exposing Misconceptions," JREF Annual Meeting, Las Vegas, NV, January 2004.

MORGAN, M. and Jill C. Watson. "Virtual Orbital Studies of Ionic Liquids," 227th American Chemical Society National Meeting, Anaheim, CA, March 2004.

RICO DEL SESTO "Nonlinear Optical Ionic Liquids," Los Alamos National Laboratory, Los Alamos, NM, February 2004.

WILKES, J. "Chemistry Research," Lockheed-Martin Day, USAF Academy, CO, January 2004.

WILKES, J. "Ionic Liquids Are Green Solutions," Chemistry Department, Univ of Mississippi, Oxford, MS, April 2004.

WILKES, J., F. Ghebremichael, N. E. Heimer, and D. S. Dudis and A. T. Yeates. "Modeling, Synthesis and Characterization of Third Order Nonlinear Optical Salts," SPIE National Meeting, San Diego, CA, August 2003.

WILKES, J., R. E. Del Sesto, F. Ghebremichael, and D. N. E. Heimer. "Nonlinear Optical Ionic Liquids," 226th American Chemical Society National Meeting, New York, NY, September 2003.

WILKES, J., M. Van Valkenburg, Margaret Williams, and L. Vaughn. "Thermal Properties of Ionic Liquids," AFOSR Ionic Liquids Workshop, Tampa, FL, March 2004.

Department of Civil Engineering

Presentations:

BRANDT, S., S. Kuennen, C. Fisher, and D. Hansen. "GET 'EM WHILE THEY'RE YOUNG! Integrated Engineering for Freshmen," ASEE 2004 Annual Conference, Salt Lake City, UT, USA, June 2004.

CISAR, M. and W. Spurlock. "Unique nature of the Air Force Academy and our curriculum" ASCE Regional Student Conference, Ft. Collins, CO, USA, April 2004.

DETHOMAS, K. "Citizen Soldier," ASCE Regional Student Conference, Ft. Collins, CO, USA, April 2004.

FOGG, J. "Port Crisis Management Using Geographical Information Systems," ASCE 2004 Ports Conference Proceedings, Houston, TX, USA, May 2004.

MEADE, R. "Ethics and the Design Process," ASEE 2004 Annual Conference, Salt Lake City, UT, USA, June 2004.

MEADE, R. "Visualization of Falling Weight Deflectometer Testing," DOD Transportation Conference, Tyndall AFB, FL, USA, May 2004.

POCOCK, J. and S. Kuennen. "Constructability State of Practice Survey," ASCE Conf on Mgt & Leadership in Construction, Hilton Head, SC, USA, March 2004.

POCOCK, J. and S. Jenkins. "The Baltic Military Environmental Security Program - A Baltic/Swedish/U.S. Partnership 1998-2003," Baltic Sea Region Def. Env. Cooperation Conference, Vilnius, Lithuania, October 2003.

Department of Computer Science

Publications:

- ANDREWS, H. "Piccolo Visualization Tool," November 2003.
- AUGERI, C. and H. Ali. "New Graph-Based Algorithms for Partitioning VLSI Circuits," International Symposium on Circuits and Systems, October 2003.
- AUGERI, C., C. White, A. Rackis, and B. Downs. "Piccolo Avionics Communications SDK," October 2003.
- AUGERI, C. and B. Millis. "Intentional Learners at USAFA," USAFA Educator, December 2003.
- BOSSERT, D., T. Schorsch, A. White, and T. Rathbun. "Teaching Unmanned Aerial Vehicle (UAV) Concepts at the Undergraduate Level: One Approach," AIAA Atmospheric Flight Mechanics Ed. Conference, August 2003.
- CARLISLE, M., J. Humphries, and T. Wilson. "RAPTOR," July 2003.
- CARLISLE, M., T. Wilson, J. Humphries, and S. Hadfield. "RAPTOR: Introducing Programming to Non-Majors with Flowcharts," Journal of Computing Sciences in Colleges, 19,4, April 2004.
- CARLISLE, M., T. Wilson, J. Humphries, and S. Hadfield. "RAPTOR: Introducing Programming to Non-Majors with Flowcharts," 2004 CCSC Central Plains Conference, April 2004.
- CARLISLE, M. "A#," SIGAda Proceedings '03, December 2003.
- HADFIELD, S., D. Vollmer, J. McKeegan, and J. Dalrymple. "USAFA Cadet Portal Version 1.1," December 2003.
- HADFIELD, S., D. Vollmer, A. Tarhini, and J. McKeegan. "USAFA Cadet Portal Version 1.0," August 2003.
- HUMPHRIES, J., M. Carlisle, and T. Wilson. "Multilanguage Programming with Ada in the .Net Environment," SIGAda Proceedings '03, December 2003.
- KRAUS, M. and J. Simons. "Conducting Military Operations Analysis; Best Practices and Use Throughout DoD," Proceedings of the 34th Annual Meeting of the DSI, November 2003.
- SWARD, R. and A. chamillard. "AdaSlicer Software product," December 2003.
- SWARD, R. and M. Collins. "Specware program for Take-Grant security model," July 2003.
- SWARD, R. "Experience Report from ABET Accreditation of Our Computer Engineering Degree," Proceedings, Best Assessment Practices VI, March 2004.
- SWARD, R., M. Carlisle, B. Fagin, and D. Gibson. "The Case for Ada at the USAF Academy," SIGAda Proceedings '03, December 2003.
- SWARD, R. and A. chamillard. "AdaSlicer: An Ada Program Slicer," SIGAda Proceedings '03, December 2003.

Presentations:

- FAGIN, B. "The Case for Ada at the USAF Academy," SIGAda Proceedings '03, San Diego, CA, December 2003.

Department of English and Fine Arts

Publications:

- ANDERSON, D. "Legal Limit," *Michigan Quarterly Review*, 42.3, July 2003.
- ANDERSON, D. "Stumps," *North American Review*, 289.1, January 2004.
- CAMPBELL, C. "An Afghan Journey," *Salisbury Post*, July 2003.
- DAYLEY, G. "Night Audit," *Concho River Review*, September 2003.
- NEWMILLER, W. "Interview with Sam Halpert," *War, Literature, and the Arts*, 15.1-2, July 2003.
- NEWMILLER, W. "Lost Creek," *North Dakota Quarterly*, January 2004.
- THOMAS, W. "The Cultural Identity of the United States Air Force," *Air and Space Power Chronicles*, Online Journal, January 2004.
- VARGISH, T. "Divine Realism" *Realism and its Discontents*, July 2003.

Presentations:

- ADAMS, M. "Josef Pieper's Theory of Leisure as an Explanation for Suffering in Walker Percy's *The Moviegoer*," Southeastern Conf. on Christianity and Literature, Montreat College, NC, April 2004.
- ANDERSON, D. "The Image of the Hero in Literature, Media, and Society," Society for the Interdisciplinary Study of Social, Colorado Springs, CO, March 2004.
- BURNS, R. "More Frail and Mortal: The Wound of Fear in Philip Caputo's *In the Forest of the Laughing Elephant*," Society for the Interdisciplinary Study of Social, Colorado Springs, CO, March 2004.
- COAKLEY, T. "The Argument against Terror: The Peruvian Experience, Globalization, and US Policy," 2003 INSS Research Results Conference, Colorado Springs, CO, November 2003.
- DAYLEY, G. "Night Audit," Angelo State University Writer's Conference, San Angelo, TX, February 2004.
- GRESHAM, R. "Andre Dubus' Literary Family," Tennessee Williams Literary Festival, New Orleans, LA, March 2004.
- JOHNSTON, A. "Medieval War Imagery in Tolkien's *Lord of the Rings*," 39th International Medieval Congress, Kalamazoo, MI, May 2004.
- LEMP, R. "Comic Metamorphosis in Roch Carrier's WWII (Anti) Heroes," Society for the Interdisciplinary Study of Social, Colorado Springs, CO, March 2004.
- LEWIS, N., T. Gant, and D. Cunningham. "The Matrix Trilogy and the Secular Humanist Discourse on Christianity," Hawaii International Conf. on Arts and Humanities, Honolulu, HI, January 2004.
- NEWMILLER, W. "Navajo Code Talkers: The Turtle and Its Shell," Missouri Valley History Conference, Omaha, NE, March 2004.
- NEWMILLER, W. "Once they were Sheep Herders: The Heroic Transformation of Navajo Code Talkers," Society for the Interdisciplinary Study of Social, Colorado Springs, CO, March 2004.
- THOMAS, W. "Organizational Learning Within Special Operations Forces: Setting the Standard for Defense Transformation," 2003 International Security Studies Section of ISA, Carlisle, PA (USA), October 2003.
- THOMAS, W. "Shaping National Identity: the Role of the International Olympic Movement in Post-Conflict Nation-Building," 2004 International Studies Association Conference, Montreal, Quebec (Canada), March 2004.
- VARGISH, T. "Charisma in Shakespeare's *Henry V* and Garcia Marquez's *Autumn of the Patriarch*," Society for Interdisciplinary Study of Social Image, Colorado Springs, CO, March 2004.
- VARGISH, T. "The Ambiguity of Leadership in *Julius Caesar* and *The Autumn of the Patriarch*," Air Force Humanities Colloquium, Colorado Springs, CO, March 2004.

Department of Economics and Geography

Publications:

FULLERTON, R. "Blood for Oil?" USAFA Discovery, 9/1/2003, October 2003.

GORDON, S. "Forest Fires and Soil Weathering: Do Extreme Wildfires Impact the Weathering of soil mineral components," NSF, October 2003.

MULLIN, R., T. Bergstrom, H. Varian, and J. West. "Microeconomics, Online Workbook," September 2003.

WALLER, R. "The Use of Offsets in Foreign Military Sales," Acquisition Review Quarterly, summer 2003, July 2003.

WHITE, P. "Hedonic estimates of lodging rates in the four corners region," professional geographer, 54/4, November 2003.

Presentations:

CARSON, K. "An Analysis of Response Strategies in Double Referendum Mechanisms," Western Economics Conference, Denver, CO, July 2003.

CARSON, K. "An Analysis of Response Strategies in Double Referendum Mechanisms," Economic Science Association, Tucson, AZ, October 2003.

CARSON, K. "An Analysis of Response Strategies in Double Referendum Mechanisms," American Agricultural Economics Association, Montreal, Quebec, Canada, July 2003.

LINSTER, B. "Putting Moreal Sentiments Back in Undergraduate Economics," Econ in the Classroom Conference (Idaho State U), Moscow, ID, March 2004.

MULLIN, R. "Online Use of Mathematics and Graphics in Teaching Economics," Economics in the Classroom Conference, Jackson Hole, WY, September 2003.

WALLER, R. "The Use of Offsets in Foreign Military Sales," Western Economic Association Conference, Denver, CO, July 2003.

WALLER, R. and S. Green. "USAFA A-76 Study," Western Economic Association Conference, Denver, CO, July 2003.

WEST, J. and F. Malmstrom. "Trends in Honesty and the Service Academy Honor Code," Western Economic Association Conference, Denver, CO, July 2003.

*Department of Electrical Engineering***Publications:**

- NORGARD, J. and R. Musselman. "CEM Code Validation using Infrared Thermograms," Proceedings of IEEE-EMC Symposium, June 2004.
- NORGARD, J., R. Musselman, R. Brown, and D. Genello. "System Survey of Deep Penetrating Radar," Proceedings of the GPR/Delft Symposium, June 2004.
- NORGARD, J. and R. Musselman. "Direct IR Diagnosis of Antenna Aperture Distributions," Proceedings of QIRT Conference, June 2004.
- NORGARD, J. and R. Musselman. "CEM Code Validation using Infrared Thermograms," Proceedings of the IEEE-EMC Symposium, June 2004.
- NORGARD, J., R. Musselman, R. Bracken, and D. Genello. "Surveillance of Strategic Sub-Surface Sanctuaries," Proceedings of the GPR/Delft Symposium, June 2004.
- NORGARD, J. and R. Musselman. "IR Thermograms/Holograms of F-16 Scattering/Diffraction Patterns," Proceedings of the IEEE-EMC Symposium, August 2003.
- NORGARD, J. and R. Musselman. "IR Thermograms for CEM Code Validation - Phased Array Aperture Distributions," Proceedings of the ACES Conference, April 2004.
- NORGARD, J. and R. Musselman. "Direct IR Diagnosis of Antenna Aperture Distributions," Proceedings of the QIRT Symposium, June 2004.
- PACK, D. and G. York. "Minimal Formation Based Unmanned Aerial Vehicle Search Method to Detect RF Mobile Targets," 2nd Annual Swarming Conference, June 2004.
- PACK, D. and B. Mullins. "Computational Complexity on Pose Updates for Swarm Robots," 7th Int SCI Conference, July 2003.
- PACK, D. and S. Barrett. "Real Time Operating Systems: A Visual Simulator," 2004 ASEE Annual Conference, June 2004.
- PACK, D., D. Ahlgren, and I. Vernon. "Effective Practices in Robotics Education," 2004 ASEE Annual Conference, June 2004.
- PACK, D. and K. Soda. "Simple Hardware Implementation of Neural Networks for Instruction in Analog Electronics," 2004 ASEE Annual Conference, June 2004.
- PACK, D., C. Wright, S. Barrett, and M. Wilcox. "Computational Image Processing for a Computer Vision System using Biomimetic Sensors and Eigenspace Object Models," SPIE's Electronic Imaging 2004 Conference, April 2004.
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