

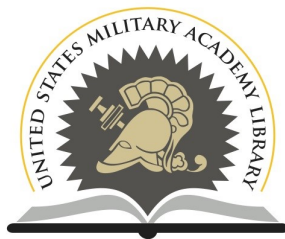


A CELEBRATION OF WEST POINT AUTHORS

16 October 2018 at 1050

Haig Room

Jefferson Hall Library and Learning Center



A Celebration of West Point Authors

Today we celebrate the more than 250 works of scholarship produced at the Academy between January and June 2018. The theme of this event is Academy research into health.

Welcome and Introduction

Christopher Barth
Librarian and Associate Dean

Dean's Remarks

BG Cindy Jebb
Dean of the Academic Board

Panelists

- Dr. Diana Thomas, Department of Mathematical Sciences
 - Adams, Bryan (CPT), MAJ Katie Fidler, CDT Noah Demois '18, Elroy J. Aguiar, Scott W. Ducharme, Aston K. McCullough, Christopher C. Moore, Catrine Tudor-Locke, and Dr. Diana M. Thomas. "Determining mathematically based thresholds from wearable sensors." *Medicine & Science in Sports & Exercise*.
- Mr. Jason Suby, Department of Physical Education
 - Suby, Jason, and Dr. Lynn Fielitz. "Innovative Assessment in Physical Fitness." Presented at the Assessment Network of New York's 6th Annual Conference, Syracuse, New York, April 2018.
- Dr. Adam Kalkstein, Department of Geography and Environmental Engineering
 - Kalkstein, Adam J. (Dr.), Laurence S. Kalkstein, Jennifer K. Vanos, David P. Eisenman, and P. Grady Dixon. "Heat/Mortality Sensitivities in Los Angeles during Winter: A Unique Phenomenon in the United States." *Environmental Health: A Global Access Science Source* 17, no. 1 (May 3, 2018): 45.

Department of Behavioral Sciences and Leadership COL Everett Spain, Department Head

Cornwell, James F. M. (Dr.) & Higgins, E. T. "Where I ideally want to be versus where I ought to be: Regulatory focus and the future." In *The Psychology of Thinking About the Future*, edited by G. Oettingen, A. Sevincer, and P. M. Gollwitzer, 423-439. New York, New York: Guilford, March 2018.

———. "Intuitions of personal agency intensify more judgments of others' behavior." Symposium talk at the Association for Psychological Science annual conference, San Francisco, California, May 26, 2018.

Dawson, Jessica (MAJ). "Beyond Moral Foundations." Presented at the Eastern Sociological Society Annual Meeting, Baltimore, Maryland, February 22, 2018.

———. "Teaching as Women and Trans Folks in an Era of 'Alternative Facts.'" Panelist at the Eastern Sociological Society Annual Meeting, Baltimore, Maryland, February 22, 2018.

———. "Relationships with God and Community as Critical Nodes in Center of Gravity Analysis." *The Strategy Bridge*, March 21, 2018. <https://thestrategybridge.org/the-bridge/2018/3/21/relationships-with-god-and-community-as-critical-nodes-in-center-of-gravity-analysis>.

Dawson, Jessica (MAJ), and Dr. Robert Thomson (ACD). "The Future Cybersecurity Workforce: Going Beyond Technical Skills for Successful Cyber Performance." *Frontiers in Psychology* 9, Special issue on Application of Cognitive Approaches to Cyber Security (June 2018): Article 744. <https://doi.org/10.3389/fpsyg.2018.00744>.

Ender, Morten (Dr.). "Mom Wore Combat Boots: An Autoethnography of a Military Sociologist." In *Mothers, Military, and Society*, edited by Sarah Cote Hampson, Udi Lebel, and Nancy Taber, 159-188. S.I.: Demeter Press, 2018.

———. "Post-9/11 Professional Army Wives." Presented at the Swedish Centre for the Study of Armed Forces and Society conference on Modern Military Professionalism, The Royal Institute of Technology, Stockholm, Sweden, June 11, 2018.

———. "The Military in an Age of Perpetual War: Reflections on Conflict in the 21st Century." Panelist at the Swedish Centre for the Study of Armed Forces and Society conference on Modern Military Professionalism, The Royal Institute of Technology, Stockholm, Sweden, June 11, 2018.

Hajjar, Remi (LTC). “Teaching War from a Sociological Perspective at West Point.” Presented at the Eastern Sociological Society Annual Meeting, Baltimore, Maryland, February 22, 2018.

Matthews, Michael (Dr.). “The Future of Army Medicine.” Panelist at the USAMRMC’s Principal Assistant for Research and Technology (PART), Herndon, Virginia, March 13, 2018.

Swain, Jordon (LTC). “In Their Humble Opinion: How Expressions of Humility Affect Supervisors’ Assessment of Leadership Potential in the Military.” Poster presented at the 2018 Society for Personality and Social Psychology Conference, Atlanta, Georgia, March 1-3, 2018.

Department of Chemistry and Life Science COL F. John Burpo, Department Head

Burpo, F. John (COL), LTC Richard L. Comitz, and MAJ Stephen G. Hummel (former C&LS faculty). “West Point Department of Chemistry and Life Science – Reaction Center for Army Chemical Intellectual Capital.” *Army Chemical Review*, PB 3-17-1 (Summer 2018): 25–29.

Burpo, F. John (COL), and MAJ Stephen Hummel (former C&LS faculty). “West Point Department of Chemistry and Life Science – Nexus of Army Chemical and Biological Intellectual Capital.” *Countering WMD Journal*, no. 16 (Winter/Spring 2018): 34–44.

Burpo, F. John (COL), Dr. Alexander N. Mitropoulos, Dr. Enoch A. Nagelli, CDT Jesse L. Palmer ’19, Lauren A. Morris, **CDT Madeline Y. Ryu ’19,** and **Dr. J. Kenneth Wickiser.** “Cellulose Nanofiber Biotemplated Palladium Composite Aerogels.” *Molecules*, Vol 23, no. 6 (June 2018): 1405-1418. <https://doi.org/10.3390/molecules23061405>.

Burpo, F. John (COL), Dr. Enoch A. Nagelli, Lauren A. Morris, Joshua P. McClure, **CDT Madeline Y. Ryu ’19,** and **CDT Jesse L. Palmer ’19.** “A Rapid Synthesis Method for Au, Pd, and Pt Aerogels Via Direct Solution-Based Reduction.” *JoVE (Journal of Visualized Experiments)*, no. 136 (June 18, 2018): e57875–e57875. <https://doi.org/10.3791/57875>.

Burpo, F. John (COL), Dr. Enoch Nagelli, Stephen F. Bartolucci, and **CDT Anchor Losch ’20.** “Salt-Templated Platinum-Palladium Alloy Porous Macrotube Synthesis.” Poster presented at the Materials Research Society (MRS) Spring Meeting, Phoenix, Arizona, April 2018.

Burpo, F. John (COL), Dr. Enoch Nagelli, Stephen F. Bartolucci, Joshua P. McClure, **Dr. Alex Mitropoulos,** and **CDT Anchor Losch ’20.** “Salt-

Templated Copper-Platinum Alloy Macrotube Synthesis.” Poster presented at the American Chemical Society’s Northeast Nanomaterials Meeting (NENM), Lake Placid, New York, June 1, 2018.

Burpo, F. John (COL), Dr. Enoch Nagelli, CDT Madeline Y. Ryu ’19, and **CDT Jesse L. Palmer ’19.** “Gelatin Biotemplated Platinum Aerogels.” Presented at the Materials Research Society (MRS) Spring Meeting, Phoenix, Arizona, April 2018.

Burpo, F. John (COL), Dr. Enoch A. Nagelli, Stephen J. Winter, Joshua P. McClure, Stephen F. Bartolucci, **CDT Alvin R. Burns ’19,** **CDT Sean F. O’Brien ’18,** and Deryn D. Chu. “Salt-Templated Hierarchically Porous Platinum Macrotube Synthesis.” *ChemistrySelect* 3, no. 16 (April 30, 2018): 4542–46. <https://doi.org/10.1002/slct.201800416>.

Clarion ’17, Michael (2LT), CDT Michael Deegan ’20, CDT Tyler Helton ’18, CDT Jesse Hudgins ’19, 2LT Nikolas Monteferrante ’17, CDT Evan Ousley ’19, and **LTC Matthew Armstrong.** “Contemporary Modeling and Analysis of Steady State and Transient Human Blood Rheology.” *Rheologica Acta* 57, no. 2 (February 2018): 141–68. <https://doi.org/10.1007/s00397-017-1062-8>.

Eslinger, Melissa (LTC), and MAJ Elizabeth Kent. “Improving Scientific Literacy through a Structured Primary Literature Project.” *Bioscene* 44, no. 1 (May 2018): 13.

Eslinger, Melissa (LTC), LTC Timothy Hill, and Marjorie Cowan. “Strategies to Evaluate Admission Criteria to Performance in STEM Coursework for Non-Science Majors.” Presented at the 2018 Hawaii University International Conference on STEM and Education, Honolulu, Hawaii, June 6, 2018.

Eslinger, Melissa (LTC), MAJ Elizabeth Kent, and **Dr. Elizabeth Mentis.** “CURE Biology: Analyzing Microbes Using a Collaborative STEM Approach.” Presented at the 2018 Hawaii University International Conference on STEM and Education, Honolulu, Hawaii, June 6, 2018.

Gagnon ’19, Megan (CDT), CDT Sarah Chamberlin ’19, CDT Katherine Iwanyk ’18, Michaela Labare, **Dr. Michael Butkus (GENE),** Dwight Bowman, and **Dr. Michael P. Labare.** “Protecting the Warfighter from Parasites.” Presented at the Northeastern Microbiology, Physiology, Ecology and Taxonomy Annual Meeting, Blue Mountain Lake, New York, June 22, 2018.

Gong ’20, Allen (CDT), CDT Gabrielle Milanese ’20, CDT John Stephen ’20, Dr. Enoch Nagelli, COL F. John Burpo, and **Dr. Kamil Woronowicz.** “Rhodobacter sphaeroides reaction centers on carbon-based composite electrodes.” Poster presented at the Eastern Regional

Photosynthesis Conference (ERPC), Woods Hole, Massachusetts, May 4-6, 2018.

Gong '20, Allen (CDT), CDT Gabrielle Milanese '20, CDT John Stephen '20, Dr. Enoch Nagelli, COL F. John Burpo, and Dr. Kamil Woronowicz. "Cyclic Voltammetry of Rhodobacter Sphaeroides Reaction Centers on Carbon-Based Composite Electrodes and Implications for Photocurrent Generation." Poster presented at the American Chemical Society's Northeast Nanomaterials Meeting (NENM), Lake Placid, New York, June 1, 2018.

Hershfield, Jeremy (MAJ), C.L. Marchand, L.L. Miller, S.A. Halasohoris, J.L. Dankmeyer, D.A. Rozak, B.K. Purcell, and K. Amemiya. "The Effect of Triclosan on Select CSC Category A or B Agents." Presented at the American Society for Microbiology (ASM) Biothreats Conference, Baltimore, Maryland, February 12, 2018.

Horner, Jeffrey S., **LTC Matthew Armstrong,** Norman J. Wagner, and Antony N. Beris. "Investigation of Blood Rheology under Steady and Unidirectional Large Amplitude Oscillatory Shear." *Journal of Rheology* 62, no. 2 (March 2018): 577-91. <https://doi.org/10.1122/1.5017623>.

James, Corey (LTC). "Flexible Operation of Water Infrastructure to Provide Electricity System Services." Presented at the IEEE Innovative Smart Grid Technologies Conference, Washington, D.C., February 19, 2018.

Johnson '18, Jordan (CDT), Dr. Nick Fell, and **Dr. Dawn Riegner.** "Investigation and Selection of Inert Substitutes for the Energetic Content of Munitions in High Energy Laser Effects Research Using Differential Scanning Calorimetry." Presented at the 20th Annual Directed Energy Professional Society's Science and Technology Symposium 2018, Oxnard, California, March 26, 2018.

Kalainoff, Melinda Z. (COL). "Practitioner as Researcher, Researcher as Practitioner: Using an Ethnographic Mindset in Identifying and Adapting an Innovative Instructional Design." Paper presented at the International Conference of the Learning Sciences, London, United Kingdom, June 2018. <http://ceur-ws.org/Vol-2128/researchpractice5.pdf>.

Kennedy, George (Dr.), CDT Michael Min '18, CDT Michael Nguyen '18, 2LT Jacob Fitzgerald '17, Samantha Shultz, Dr. Michael Butkus (GENE), COL(R) Jeff Starke (formerly GENE), Dwight Bowman, and Dr. Michael P. Labare. "Protecting the Warfighter from Pathogens." Presented at the Northeastern Microbiology, Physiology, Ecology and Taxonomy Annual Meeting, Blue Mountain Lake, New York, June 22, 2018.

Mitropoulos, Alex (Dr.), Dr. Enoch Nagelli, CDT Jenny Wang '20, Dr. Kamil Woronowicz, Dr. J. Ken Wickiser, and COL F. John Burpo. "Electroless deposition of noble metal nanoparticles onto silk fibroin films for biochemical detection." Presented at the World Congress on Biosensors, Miami, Florida, June 2018.

Mitropoulos, Alex (Dr.), CDT Jenny Wang '20, CDT Robert Sims '19, Dr. Kamil Woronowicz, Dr. J. Ken Wickiser, COL F. John Burpo, and Dr. Enoch Nagelli. "Conductive Nanostructured Silk Fibroin Materials." Poster presented at the American Chemical Society's Northeast Nanomaterials Meeting (NENM), Lake Placid, New York, June 1, 2018.

Nagelli, Enoch (Dr.). "Electrochemical Properties of Carbon Slurry Particles." Presented at the 14th annual Tiger-Hen-Hawk-Black Knight Rheology Symposium, West Point, New York, 2018.

Nagelli, Enoch (Dr.), CDT Gabrielle Milanese '20, CDT Jenny Wang '20, CDT An Vu '20, CDT Benjamin Petrella '20, Dr. Kamil Woronowicz, Dr. Alex Mitropoulos, and COL F. John Burpo. "3D Graphene/Platinum Nanotube Hybrid Composite Electrodes via Electrostatic Self-Assembly for Supercapacitor Applications." Poster presented at the American Chemical Society's Northeast Nanomaterials Meeting (NENM), Lake Placid, New York, June 1, 2018. 3rd place Winner in Poster Competition.

Pfluger, Andrew (LTC), Junko Munakata-Marr, Bob Siegrist, and Gary Vanzin. "Learning Benefits of Integrating Socio-Economic and Cultural Considerations into an Onsite Water Reclamation Course Project." Paper presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Pfluger, Andrew R. (LTC), Martha J. Hahn, Amanda S. Hering, Junko Munakata-Marr, and Linda Figueroa. "Statistical Exposé of a Multiple-Compartment Anaerobic Reactor Treating Domestic Wastewater." *Water Environment Research* 90, no. 6 (June 1, 2018): 530-42. <https://doi.org/10.2175/106143017X15131012153068>.

Department of Civil and Mechanical Engineering COL Karl F. Meyer, Department Head

Benson, Michael J. (COL), LTC Seth Norberg, COL Bret P. Van Poppel, MAJ Tim Ashcraft, and MAJ Matthew Miller. "Teaching Experimental Design in a Fluid Mechanics Course." Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Benson, Michael J. (COL), COL Bret P. Van Poppel, C. Elkins, and M. Owkes. “Three Dimensional Velocity And Temperature Field Measurements Of Internal And External Turbine Blade Features Using Magnetic Resonance Thermometry.” Paper presented at the 2018 IGTI Turbo Expo Conference, Oslo, Norway, June 11, 2018. Paper no. GT2018-76874.

Bluman, James E. (LTC), Chang-Kwon Kang, and Yuri Shtessel. “Control of a Flapping-Wing Micro Air Vehicle: Sliding-Mode Approach.” *Journal of Guidance, Control, and Dynamics* 41, no. 5 (April 2, 2018): 1223–26. <https://doi.org/10.2514/1.G003160>.

Bluman, James E. (LTC), Jeremy Pohly, Madhu Sridhar, Chang-Kwon Kang, David Brian Landrum, Farbod Fahimi, and Hikaru Aono. “Achieving Bio-inspired Flapping Wing Hovering Flight Solutions on Mars via Wing Scaling.” *Bioinspiration & Biomimetics* 13, no. No. 4 (June 26, 2018). <http://iopscience.iop.org/article/10.1088/1748-3190/aac876/meta>.

Bruhl, Jakob C. (LTC), Dr. Aaron Freidenberg, LTC Richard J. Gash, Dr. Christopher H. Conley, and LTC Paul Moody. “Helping Students Learn Engineering Mechanics Concepts Through Integration of Simulation Software in Undergraduate Courses.” Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Chaudhuri, A., L. Schmitt, **Dr. Gregory Freisinger**, J. Lewis, E. Hutter, X. Pan, and R. Siston. “Perceived Instability Is Associated with Strength, Not Frontal Knee Laxity in Patients with Advanced Knee Osteoarthritis.” Presented at the Combined Sections Meeting of the American Physical Therapy Association, New Orleans, Louisiana, February 2018.

Crawford, G., J.A. Riofrio, and **COL Richard Melnyk.** “Development of an Introduction to Circuits Course and Lab for Mechanical Engineering Students via Systematic Design of Instruction.” Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Estes, A.C., S.J. Ressler, C.M. Saviz, **Dr. Brock Barry**, C.L. Considine, D. Coward, N.D. Dennis, et al. “Celebrating 20 Years of the ExCEED Teaching Workshop.” Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Etringer '18, John (CDT), CDT Stephen O'Brien '18, CDT Austin Updegraff '18, CDT Timothy Langerhans '18, CDT Andrew Nadjari '18, CDT Chan Kim '18, LTC Aaron Hill, and CPT Michael Campbell. “Analyzing Multidisciplinary Team Effectiveness in an Engineering Environment: A Case Study of the West Point Steel Bridge Design Team.” Presented at the American Society for Engineering

Education (ASEE) Gulf-Southwest Section 2018 Annual Conference, Austin, Texas, April 2018.

Florkiewicz, E., M. Crowell, J. Morris, J. Dolbeer, **Dr. Rebecca Zifchock**, and D. Goss. “A Case Series of Previously Injured Runners Transitioning to a Non-Rearfoot Strike Running Pattern.” Presented at the Combined Sections Meeting of the American Physical Therapy Association, New Orleans, New Orleans, Louisiana, February 2018.

Florkiewicz, E., D. Watson, **Dr. Gregory Freisinger**, and D. Goss. “Gait Retraining Improves Loading Asymmetry, Pain, and Running Function after Anterior Cruciate Ligament Reconstruction.” Presented at the Combined Sections Meeting of the American Physical Therapy Association, New Orleans, New Orleans, Louisiana, February 2018.

Freidenberg, Aaron (Dr.), LTC Jakob C. Bruhl, Dr. Christopher H. Conley, and Charles Randow. “High Fidelity Structural Analysis for Undergrad Structural Engineering Students.” Presented at the Structures Congress 2018, Fort Worth, Texas, April 2018.

Freisinger, Gregory Martin (Dr.), COL Richard Melnyk, and LTC Brian J. Novoselich. “Andragogical Learning Characteristics in Second-Year and Fourth-Year Mechanical Engineering Students.” Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Fridley, K.J., D.B. Hains, **Dr. Brock Barry**, K.L. Sanford-Bernhardt, and L. Nolen. “The Third Edition of the Civil Engineering Body of Knowledge: An Update and Overview.” Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Hains, D.B., K.J. Fridley, L. Nolen, and **Dr. Brock Barry.** “Revising the Civil Engineering Body of Knowledge (BOK): The Application of the Cognitive Domain of Bloom’s Taxonomy.” Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Hamilton, S, J. Wyrick, and **LTC Jakob C. Bruhl.** “Can It Work for Us Too? Results from Using West Point’s Fundamentals of Engineering Mechanics and Design Course Redesign.” Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Helton, G.L., K.L. Cameron, **Dr. Rebecca Zifchock**, E.M. Miller, D.L. Goss, J. Song, and M.T. Neary. "Association Between Shoe Selection and Lower Extremity Injuries in United States Military Academy Cadets." Presented at the Combined Sections Meeting of the American Physical Therapy Association, New Orleans, New Orleans, Louisiana, February 2018.

Hill, Aaron (LTC). "Student Mastery of Structural Analysis with Design Review." Presented at the Structures Congress 2018, Fort Worth, Texas, April 2018.

Hill, Aaron (LTC), and CPT Michael Campbell. "Student Mastery of Engineering with Design Review." Presented at the American Society for Engineering Education (ASEE) Gulf-Southwest Section 2018 Annual Conference, Austin, Texas, April 2018.

Melnyk, Richard (COL), LTC Brian J. Novoselich, and Dr. Gregory Martin Freisinger. "A Broader Look at The Role of Andragogy in Engineering Education." Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Novoselich, Brian J. (LTC), T. Weis, and LTC Harry Jones (D/English and Philosophy). "Mechanical Engineering Design for Complex Environments: Incorporating Industrial Design Perspectives into a Multidisciplinary Capstone Design Project." Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Pohly, J., M. Sridhar, D. Landrum, F. Fahimi, **LTC James Bluman**, C. Kang, H. Aono, and H. Liu. "Payload and Power for Dynamically Similar Flapping Wing Hovering Flight On Mars." Presented at the AIAA Atmospheric Flight Mechanics Conference, Kissimmee, Florida, January 2018. <https://arc.aiaa.org/doi/pdf/10.2514/6.2018-0020>.

Salinas, Maximiliano, **2LT Jameson Wojewodka '17, 2LT Brandon Werling '17, 2LT Marvin Lewis '17**, David Schatzman (NASA Ames), Jacob Wilson (NASA Ames), **LTC Seth Norberg, and MAJ Tim Ashcraft**. "Delaying Separation through Sweeping Jet Flow Control." Paper presented at the American Institute of Aeronautics and Astronautics (AIAA) Science and Technology Forum, Orlando, Florida, January 11, 2018.

Salmon, J.L., **LTC James Bluman**, and C. Kang. "Quasi-Steady versus Navier-Stokes Solutions of Flapping Wing Aerodynamics." Presented at the AIAA SciTech: 55th AIAA Aerospace Sciences Meeting, Grapevine, Texas, January 2018. <https://arc.aiaa.org/doi/10.2514/6.2017-0329>.

Watson, D., E. Florkiewicz, E. Szymanek, **Dr. Gregory Freisinger**, and D. Goss. "Wearable Technology May Assist in Retraining Foot Strike Patterns in Previously Injured Runners." Presented at the Combined Sections Meeting of the American Physical Therapy Association, New Orleans, Louisiana, February 2018.

Zachmann, K., R. Baker, J. Ewing, E. Hutter, J. Lewis, **Dr. Gregory Freisinger**, A. Glassman, et al. "Intra-Operative Knee Laxity and Balance May Not Solely Predict Patient Outcomes of Total Knee Arthroplasty." Presented at the Orthopaedic Research Society Annual Meeting, New Orleans, Louisiana, March 2018.

Department of Electrical Engineering and Computer Science COL Barry Shoop, Department Head

Adams, Joel C., Richard A. Brown, Jalal Kawash, **Dr. Suzanne J. Matthews**, and Elizabeth Shoop. "Leveraging the Raspberry Pi for CS Education." In *Proceedings of the 49th Association of Computing Machinery Technical Symposium on Computer Science Education in Baltimore, Maryland*, 814–815. SIGCSE '18. New York, New York: ACM, 2018. <https://doi.org/10.1145/3159450.3159611>.

Alejos '18, Andres (CDT), CDT Matthew Ball '18, CDT Connor Eckert '18, CDT Michael Ma '18, CDT Hayden Ward '18, Dr. Peter Hanlon, and Dr. Suzanne J. Matthews. "Exploring the Raspberry Pi for Data Summarization in Wireless Sensor Networks." Poster presented at the 5th Annual Symposium and Bootcamp on Hot Topics in the Science of Security (HoTSoS '18), Raleigh, North Carolina, April 10, 2018. <https://doi.org/10.1145/3190619.3191679>.

Brick, T., M. Lanham, A. Kopeikin, **LTC Christopher Korpela**, and R. Morales. "Zero to Swarm: Integrating Swarming into a Multi-Disciplinary Engineering Program." Presented at the International Conference on Unmanned Aircraft Systems, Dallas, Texas, June 2018.

Brown, Richard, Joel Adams, **Dr. Suzanne Matthews**, and Elizabeth Shoop. "Teaching Parallel and Distributed Computing with MPI on Raspberry Pi Clusters: (Abstract Only)." In *Proceedings of the 49th Association of Computing Machinery Technical Symposium on Computer Science Education in Baltimore, Maryland*, 1054–1054. SIGCSE '18. New York, New York: ACM, 2018. <https://doi.org/10.1145/3159450.3162369>.

Drakontaidis '18, Spencer (CDT), CDT Michael Stanchi '18, CDT Gabriel Glazer '18, CDT Antoine Davis '18, CDT Madison Stark '18, CDT Caleb Clay '18, MAJ Jason Hussey, MAJ Nicholas Barry, Dr. Aaron St. Leger, and Dr. Suzanne J. Matthews. "Integrating Historical and Real-Time Anomaly Detection to Create a More Resilient Smart Grid Architecture." Poster presented at the 5th Annual Symposium and Bootcamp on Hot Topics in the Science of Security (HoTSoS '18), Raleigh, North Carolina, April 10, 2018. <https://doi.org/10.1145/3190619.3191683>.

Jankowski, Marc, Alireza Marandi, C. R. Phillips, Ryan Hamerly, **LTC Kirk A. Ingold**, Robert L. Byer, and M. M. Fejer. "Temporal Simultons in Optical Parametric Oscillators." *Physical Review Letters* no. 120 5 (2018). doi:10.1103/PhysRevLett.120.053904.

Larkin, Dominic (MAJ). "USMA Robotics Institute." Presented at the DARPA's Explainable Artificial Intelligence Program Meeting (XAI), West Point, New York, May 7, 2018.

Leger, Aaron St. (Dr) and Dr. John James. "Cyber-Physical Systems Approach for Wide Area Control Applications." In 2018 *IEEE Texas Power and Energy Conference (TPEC)*, College Station, Texas, February 2018, doi:10.1109/TPEC.2018.8312113.

Matthews, Suzanne J. (Dr.), Joel C. Adams, Richard A. Brown, and Elizabeth Shoop. "Portable Parallel Computing with the Raspberry Pi." In *Proceedings of the 49th Association of Computing Machinery Technical Symposium on Computer Science Education in Baltimore, Maryland*, 92–97. SIGCSE '18. New York, New York: ACM, 2018. <https://doi.org/10.1145/3159450.3159558>.

Orsag, Matko, **LTC Christopher Korpela**, Paul Oh, and Stjepan Bogdan. *Aerial Manipulation*. Springer International Publishing. doi: 10.1007/978-3-319-61022-1.

Rivera, Joey (LTC). "Identifying the Impact of High Risk Change to Cyber Defense." Presented at the 2018 International Cyber Summit, Garmisch-Partenkirchen, Germany, March 22, 2018.

Saxon, Michael, and **LTC Christopher Korpela.** "Killing with Autonomous Weapons Systems." *US Army War College War Room*, January 17, 2018. <https://warroom.armywarcollege.edu/articles/killing-autonomous-weapons-systems/>.

Shopov '18, Nikolay (CDT), CDT Mingu Jeong '18, CDT Evin Rude '18, CDT Brennan Nesoralla '18, MAJ Scott Hutchison, LTC Alexander Mentis, and Dr. Suzanne J. Matthews. "Investigating Tensorflow for

Airport Facial Identification." Poster presented at the 5th Annual Symposium and Bootcamp on Hot Topics in the Science of Security (HoTSoS '18), Raleigh, North Carolina, April 10, 2018. <https://doi.org/10.1145/3190619.3191692>.

Department of English and Philosophy COL David Harper, Department Head

Brown, Alan (LTC), CDT Hope Hack '20, CDT Samuel Reichenthal '20, and CDT Philippe Sanchez '20. "Re-Imagining Engagement and Multimodal Innovation in the Writing Center." Session chaired by LTC Brown with cadet presenters at the 2018 Conference on the Teaching of Writing, University of Connecticut, Hartford, Connecticut, April 6, 2018.

Caldwell, Trivius (MAJ). "Teaching Race in a Military Sphere." Presented at the 133rd Modern Language Association Annual Convention, New York, New York, January 4, 2018.

———. "Teaching Race in a Military Sphere." Merchant Marine Academy, Long Island, New York, February 2018.

Daily, Katie (Dr.). *Rejection and Disaffiliation in Twenty-First Century American Immigration Narratives*. Pivotal Studies in the Global American Literary Imagination. Cham, Switzerland: Palgrave-Macmillan, June 2018.

DiLorenzo, Stephen (CPT). "Using Considerations of Agent Blame to Create a More Complete System of Moral Guidance in Asymmetric Warfare." Presented at the 2018 Annual Conference of the International Society for Military Ethics in North America, Inamori International Center for Ethics and Excellence at Case Western Reserve University in Cleveland, Ohio, January 26, 2018.

Eils, Colleen (Dr.). "'Be All That You Can Be': Teaching Humanities at the United States Military Academy." Presented at the 133rd Modern Language Association Annual Convention, New York, New York, January 4, 2018.

Freitas, Vivek (Dr.). "Spaces of Possibility: Counterarguments and Emerging College Scholars." Presented at the Mid-Atlantic Writing Centers Association Annual Conference, Rowan University, Glassboro, New Jersey, March 23, 2018.

Hoppe, Jason (Dr.). "Feeling Good about Difficulty in Writing Center Stories." *Praxis: A Writing Center Journal* (blog), March 7, 2018. <http://www.praxisuwc.com/praxis-blog/2018/3/5/feeling-good-about-difficulty>.

**Department of Foreign Languages
COL Gregory Ebner, Department Head**

Hoppe, Jason (Dr.), CDT Helen Schroeder '20, CDT Maya Kuang '19, and CDT Danny Nguyen '18. "The Stories We Must Share: The Role of Narrative in Revision, Compositional Rhythms, and Civic Conversations in the Writing Center." Session chaired by Dr. Hoppe with cadet presenters at the Mid-Atlantic Writing Centers Association Annual Conference, Rowan University, Glassboro, New Jersey, March 23, 2018.

Johnson, Kristen (CPT). "Discussed Exit West by Mohsin Hamid." Class presented at the Bard Prison Initiative, Taconic Correctional Facility, Spring 2018.

Jones, Harry (LTC). "Public Virtue by Design: Practicing Dialogue through Civic Friendship." Presented at the Virtues in the Public Sphere Conference, Oriel College, Oxford University, January 4, 2018.

McGowan, Tony (Dr.). "Historicizing Forms and Spaces of Refuge." Presented at the 133rd Modern Language Association Annual Convention, New York, New York, January 4, 2018.

Morris, Courtney (Dr.). "Ethical Theory of Immanuel Kant." Class presented at the Bard Prison Initiative, Taconic Correctional Facility, January 2018.

Nelson, John (COL). "The Persistence of Memory? Cultural Remembrance and Amnesia and the Role of the Humanities." Keynote presented at the Collective Memory and the Transformative Power of the Humanities, Everett Community College, Everett, Washington, January 16, 2018.

Parsons, Graham (Dr.), Dr. Courtney Morris, and COL Ty Seidule (D/History). "Coping with Intolerance." Presented at the Center for Civic Engagement and the Human Rights Program at Bard College, Bard College, Annandale-On-Hudson, New York, February 19, 2018.

Parsons, Scott (MAJ). "The Civil-Military Divide: Moral Exemplars in the Public Sphere." Presented at the Virtues in the Public Sphere Conference, Oriel College, Oxford University, January 4, 2018.

Samet, Elizabeth (Dr.). "Rumors of the American Civil War: Entwined Legacies of Fact and Fiction." Presented at the 133rd Modern Language Association Annual Convention, New York, New York, January 4, 2018.

Foster, Michael (Dr.). "From Tenure-Track to Term Position to Job Market: Finding the Right Fit." Presented at the 49th Meeting of the Northeast Modern Language Association Convention, Pittsburgh, Pennsylvania, April 12, 2018.

Guenaien, Moez (CPT). "Teaching Arabic to Non-Arabic Speakers." Presented at the Kentucky Foreign Languages Conference, Lexington, Kentucky, April 18, 2018.

Kao, Chiu-Ya. "選文以定篇：論高階中文教材之擇定與教學目標。" Presented at the Chinese Language Teacher's Association Annual Conference, Herndon, Virginia, April 6, 2018.

Ketterlinus, Leila (CPT), and Dr. Diane Richardson. "Fostering a Non-Native Ideal: Using Texts from Persian Speakers in the German Language Classroom." Presented at the 49th Meeting of the Northeast Modern Language Association Convention, Pittsburgh, Pennsylvania, April 12, 2018.

Lee, Tai-Jung. "古文新詮 — 以專業中文課程為例。" Presented at the Chinese Language Teacher's Association Annual Conference, Herndon, Virginia, April 6, 2018.

Pendergast, John (Dr.). "Schiller, Zhukovsky, Pushkin, and Tchaikovsky's Lensky: Operatic Translation Mise-En-Abyme." Presented at the 2018 Modern Language Association Annual Conference, New York, New York, January 4, 2018.

Richardson, Diane (Dr.), and CPT Leila Ketterlinus. "Enhancing Multilingual and Multicultural Awareness: Texts from and about Persian Speakers in German Class." Workshop presented at the Southern Conference on Language Teaching, Atlanta, Georgia, March 15, 2018.

Srebrianski-Harwell, Xenia. "Imperial Dreams and the Asian Other: Mitrofan Srebrianski and the Russo-Japanese War." Presented at the Asia in the Russian Imagination, Salt Lake City, Utah, March 23, 2018.

———. "Liminal Spaces: Motherhood, Emotion, and Memory in Works by Alja Rachmanowa." Presented at the Boise State Department of World Languages International Conference on Cultural Studies: Memory and Emotion/ Women's Stories: Constructing Meaning from Memory, Boise State University, Boise, Idaho, March 15, 2018.

Wang, Tsai-Ling. “AP 中文考試教材之文化教學內容及教材適切性探析-以《中文讀本》(初中 華文)為例。” Presented at the Chinese Language Teacher’s Association Annual Conference, Herndon, Virginia, April 6, 2018.

Watson, Jeffery R. (Dr.), and COL Gregory Ebner. “Language-Learning Strategy Use by Learners of Arabic, Chinese, and Russian during Study Abroad.” In *The Routledge Handbook of Study Abroad Research and Practice*, edited by Cristina Sanz and Alfonso Morales-Front, 226–44. New York: Routledge, 2018.

Zapf, Andrew (MAJ). “Humor and Second Language Acquisition: Usefulness and Pitfalls in the Classroom.” Presented at the 49th Meeting of the Northeast Modern Language Association Convention, Pittsburgh, Pennsylvania, April 12, 2018.

Zapf, Andrew (MAJ), and 2LT Joshua Peltier ’17. “Security Sector Reform and Popular Mobilization Forces in Iraq.” *Small Wars Journal*, May 9, 2018. <http://smallwarsjournal.com/jrnl/art/security-sector-reform-and-popular-mobilization-forces-iraq>.

**Department of Geography
and Environmental Engineering
COL Mark Read, Department Head**

Herrman ’19, John (CDT), LTC Mindy Kimball, and LTC Benjamin Wallen. “Revolutionary Recovery: GPR Investigations at the Battle of Brooklyn.” Poster presented at the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP), Nashville, Tennessee, March 15, 2018.

Kalkstein, Adam J. (Dr.), Laurence S. Kalkstein, Jennifer K. Vanos, David P. Eisenman, and P. Grady Dixon. “Heat/Mortality Sensitivities in Los Angeles during Winter: A Unique Phenomenon in the United States.” *Environmental Health: A Global Access Science Source* 17, no. 1 (May 3, 2018): 45. <https://doi.org/10.1186/s12940-018-0389-7>.

Kimball, Mindy (LTC). “How We Look and What We See: Twenty Years of Women in GSA Today.” In *Women and Geology: Who Are We, Where Have We Come From, and Where Are We Going?*, edited by Beth A. Johnson, 77–84. Memoir 214. Boulder, Colorado: Geological Society of America.

Koenig, Lora, G. Grant, **CPT Nicholas Lewis**, D. Gallaher, S. Stroud, B. Staley, K. Schaefer, J. Thompson, and F. Fetterer. “Ice Characterization of the Arctic for Transportation Applications.” Poster presented at the DOD Symposium on the Arctic, Hanover, New Hampshire, May 16, 2018.

Leydet, David J. (CPT), Anders E. Carlson, James T. Teller, Andrew Breckenridge, Aaron M. Barth, David J. Ullman, Gaylen Sinclair, Glenn A. Milne, Joshua K. Cuzzone, and Marc W. Caffee. “Opening of Glacial Lake Agassiz’s Eastern Outlets by the Start of the Younger Dryas Cold Period.” *Geology* 46, no. 2 (January 2018): 155–58. <https://doi.org/10.1130/G39501.1>.

Malinowski, Jon C. (Dr.). “The Geography of the Other in West Point History.” Paper presented at the Annual Meeting of the Association of American Geographers, New Orleans, Louisiana, April 2018.

Marchillo ’18, Jacob (CDT), and CPT W. Gabe Powell. “Generation of 3D Models to Augment Learning and Geophysical Conceptualization.” Poster presented at the American Geophysical Union (AGU) Spring 2018 Virtual Poster Showcase, March 13, 2018.

———. “Using Augmented Reality for Terrain Visualization in Support of Mission Planning and Professional Development.” Presented at the United States Geospatial Intelligence Foundation (USGIF) GEOINT 2018 Conference, Tampa, Florida, April 22, 2018.

Melkon, John (Dr.). “The Power of Information Sharing among Public Private Partnerships.” Featured Presenter at the United States Army Central Command Regional Land Forces Intelligence Symposium, Tampa, Florida.

O’Banion, Matthew S. (Dr.), Michael J. Olsen, Claire Rault, Joseph Wartman, and Keith Cunningham. “Suitability of Structure from Motion for Rock-Slope Assessment.” *The Photogrammetric Record* 33, no. 162 (June 2018): 217–42. <https://doi.org/10.1111/phor.12241>.

O’Banion, Matthew (Dr.). “Post-Earthquake Damage Assessment Using Advanced Surveying Tools and Immersive Visualization.” Seminar presented at the College of Engineers and Surveyors of Puerto Rico (CIAPR) Annual Expo, San Juan, Puerto Rico, May 25, 2018.

Ouellette, Charles M. (CPT), CPT Luke Thomas Plante, CPT Erick Martinez, Dr. Benjamin Michael Wallen, and COL Jeffrey A. Starke. “Informing an Environmental Ethic in Future Leaders Through an Environmental Engineering Sequence.” Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Plante, Luke (CPT), M. Baideme, **COL Jeffrey A. Starke**, R. Rogers, G. Young, K. McCarty, and **Dr. Michael Butkus**. “A Research-Focused, Collaborative Relationship for Environmental Engineering Education.” Presented at the American Society for Engineering Education (ASEE) Northeast Regional Conference, West Hartford, Connecticut, April 2018.

Raby, Landon M. (LTC), **CPT Erick Martinez**, **COL Jeffrey A. Starke**, **MAJ Richard Francis Rogers**, and **Dr. Patrick Baker**. “Integrating Army Doctrine and Engineering Design: Preparing Millennials to Become Future Officers.” Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Richmond, Amy (Dr.). “Stability and the Environment: Why It Matters to the US Military.” Invited Presentation presented at the UMASS Eco Seminar, Amherst, Massachusetts, April 27, 2018.

Richmond, Amy (Dr.), Ian Myers, and Hafisa Namuli. “Urban Informality and Vulnerability: A Case Study in Kampala, Uganda.” *Urban Science* 2, no. 1 (March 7, 2018): 22. <https://doi.org/10.3390/urbansci2010022>.

Sheehan, Nathaniel P. (CPT), **COL Jeffrey A. Starke**, and **MAJ David C. Zgonc**. “Collaboration in Assessment and Individual Validation for the ‘Digital Native.’” Presented at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018. Awarded Best Paper in the Environmental Engineering Division.

Ware, Jared (LTC). “Advances in the Geospatial Information Science Curriculum at the United States Military Academy.” Presented at the 2018 Westchester County GIS Users Conference, Purchase College, Harrison, New York, May 17, 2018.

Wright, William (LTC), Benjamin Wilkinson, and Wendell Cropper. “Development of a GPS Forest Signal Absorption Coefficient Index.” *Forests* 9, no. 5 (April 25, 2018): 226. <https://doi.org/10.3390/f9050226>.

Department of History **COL Ty Seidule, Department Head**

Askew, Mark (MAJ). “‘Hopelessly Destructive of the Public Order’: Political Dissent under the Military Government of Cuba, 1899.” Paper presented at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.

Black, Rick (LTC). “Memorial Day Commemoration.” Featured Guest Speaker, Highland Falls, New York, May 27, 2018.

Bucher, Greta (Dr.). “Discussing Health: Popularizing Modern Healthcare for Women in Late Imperial Russia.” Paper presented at the American Association for the History of Medicine, Los Angeles, California, May 10, 2018.

Causey ‘18, Nick (CDT), **CDT Spencer Welton ‘18**, **CDT Craig Sheetz ‘18**, **Dr. James Kirby Martin**, and **LTC Sean Sculley**. “Fortress West Point App.” Panelists at the Museum of the American Revolution, Philadelphia, Pennsylvania, April 20, 2018.

Clason, Nathan R. (CPT). “The War Back Home - Vietnam and Life in the 60s.” Presented at the Weston Historical Society, Weston, Connecticut, May 23, 2018.

Collins, Devon (CPT). “Blueprints for Captivity: Planning versus Reality in British Prisoner of War Camps in World War I.” Paper presented at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.

Doss, J. Casey (LTC). “Moral Anxiety in North Africa: American Ideology in War, 1942-43.” Presented at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.

Drohan, Brian (MAJ) (Academy Professor Select). *Brutality in an Age of Human Rights: Activism and Counterinsurgency at the End of the British Empire*. Ithaca, New York: Cornell University Press, 2018.

———. “Unintended Consequences: Baton Rounds, Riots, and Counterinsurgency in Northern Ireland, 1970-1981.” *Journal of Military History* 82, no. 2 (April 2018): 491–514.

Fahey, John (Dr.). “World War I in the Forgotten Austro-Hungarian Empire.” Presented at the New York Military Affairs Symposium, New York, New York, March 17, 2018.

Fahey, John (Dr.), and **Dr. Clifford J. Rogers**. “Digitizing Military History: New Frontiers in Race, Gender, Urban Studies, and Education.” Panelists at the 132nd Annual Meeting of the American Historical Association, Washington, D.C., January 4, 2018.

Frey, David (Dr.). “Holocaust Day of Remembrance.” Guest Speaker at the Holocaust Day of Remembrance, Association of the US Army Headquarters, Arlington, Virginia, April 19, 2018.

Garner, Christian (MAJ). “Cotton, Tumbleweeds, and Gliders: American Glider Pilot Training and Its Impact on Lamesa, Texas, during World War II.” Paper presented at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.

- Gatzemeyer, Garrett (MAJ).** “Making Moral Men Kill: The Bayonet and Progressive Reformers, 1917-1918.” Paper presented at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.
- Geheran, Michael J. (Dr.).** “‘We Jews Are Also Men and Not Cowards’: Jewish Frontkämpfer and the Masculine Habitus.” Paper presented at the 132nd Annual Meeting of the American Historical Association, Washington, D.C., January 4, 2018.
- Gibby, Bryan (COL).** “Memorial Day Commemoration.” Featured Guest Speaker, Town of Cortlandt, New York, May 24, 2018.
- . “Transforming Physical Landscapes in Modern War.” Panel Commentator at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.
- Griffin, Benjamin (MAJ).** “Remembering War: Veterans and Fiction.” Presented at the New York Military Affairs Symposium, New York, New York, February 16, 2018.
- . “War of Imagination: Ronald Reagan, Red Storm Rising, and Reykjavik.” Paper presented at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.
- Kiesling, Eugenia C. (Dr.).** “Vignettes on the German Military Experience in the Era of the Two World Wars.” Panel Chair at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.
- . “War as Masculine Action.” Paper presented at the 132nd Annual Meeting of the American Historical Association, Washington, D.C., January 4, 2018.
- Krueger, David (CPT).** Book Review of “A Surgeon with Custer at the Little Big Horn: James DeWolf’s Diary and Letters, 1876.” *On Point: The Journal of Army History*, Winter 2018.
- . “‘The Cheapest and Best Insurance’: The Logic of Indian Companies in the United States Army, 1891-1897.” Paper presented at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.
- Lovering, Richard (CPT).** “Diem and Mounier in the Mekong Delta: Personalism and the Strategic Hamlet Program.” Paper presented at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.
- McDonald, Rob (Dr.).** “‘Our Eye Steadily on the Whole System’: Jefferson’s Evolving Plans for a University for America.” Paper presented at the Robert H. Smith International Center for Jefferson Studies Conference on “Education in the Early Republic,” Monticello, Virginia, May 25, 2018.
- . “The Greatest of George Washington.” After-Dinner Talk presented at the 141st Annual George Washington Birthday Ball, Metropolitan Club, New York City, February 16, 2018.
- . *Who Was Thomas Jefferson?* YouTube Video, 1:07, posted by The Rubin Report, February 19, 2018. <https://www.youtube.com/watch?v=kVGXfgY9VFI&feature=youtu.be>.
- Muehlbauer, Matthew (Dr.).** “Defending the City on the Hill: Holy War and Just War in Early New England, 1630-55.” Presented at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.
- Musteen, Jason (COL).** “How to Remember and How to Forget: Comparative Memory and Warfare.” Presented at the 15th Annual Tadeusz Kościuszko Conference, West Point, New York, April 27, 2018.
- Nagel, Amanda (Dr.).** “‘Our Boys Have Gone to France’: Race, Ideology, and Military Citizenship during World War I.” Presented at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.
- Nimick, Thomas G (Dr.).** “When a Judge Becomes More than a Judge: Changes in Local and Regional Administration in the Ming Dynasty as Seen through the Role of the Prefectural Judge.” *Ming Studies* 2018, no. 77 (January 2, 2018): 6–26. <https://doi.org/10.1080/0147037X.2018.1431464>.
- Rogers, Clifford J (Dr.).** “Battle Seminar: Agincourt, 1415.” Presented at the Estonian National Defense College, Tartu, Estonia, May 2018.
- . “How Ancient and Medieval Military History Contribute to Developing Modern Officers.” Presented at The Past: A Soldier’s Guide for the Present? Experience, History, and Theory in Military Education, Estonian War Museum-General Laidoner Museum, Tartu, Estonia, May 2018.
- . “Military Change in the Late Medieval and Early Modern Mediterranean.” Lecture and Workshop presented at the NEH Summer Institute for Higher Education Instructors: Thresholds of Change: Modernity and Transformation in the Mediterranean, 1400-1700, St. John’s University, Collegeville, Minnesota, June 2018.

———. “The Chronology of Medieval Gunpowder Artillery Design. Or: How to Date a Medieval Gun.” Presented at the 53rd International Congress on Medieval Studies, West Michigan University, Kalamazoo, Michigan, May 10, 2018.

———. “The Symbolic Meaning of Edward III’s Garter Badge.” In *Military Communities in Late Medieval England: Essays in Honour of Andrew Ayton*, edited by Craig Lambert, Gary Baker, and David Simpkin, 125–46. Woodbridge: Boydell, 2018.

Rogers, Clifford J. (Dr.), John France, and Kelly DeVries, eds. *The Journal of Medieval Military History*. Vol. 16, 2018.

Rogers, Clifford J. (Dr.), **COL Ty Seidule**, and **Dr. Steve Waddell**, eds. *The West Point History of World War II*. Vol. 2. Easton, Pennsylvania: Easton Press, 2018.

Salinas, Antonio (CPT). “Julius Caesar’s Art of War: A Graphic Portfolio of Battlefields and Tactics in the Commentarii de Bello Gallico.” Presented at the New York Military Affairs Symposium, New York, New York, February 17, 2018.

Sculley, Seanegan (LTC). “Young Scholars Panel - Economics, the Press, and Civil Rights: Shaping the Global Cold War.” Commentator at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.

Seidule, Ty (COL). “A Confederate Reckoning: Reflections on Confederate Memory from a Soldier, Scholar, and Southerner.” Presented at Chapman University, Orange, California, February 15, 2018.

———. “Holocaust Remembrance Ceremony.” Guest Speaker at the Holocaust Remembrance Ceremony, Natick Labs, Natick, Massachusetts April 11, 2018.

———. “Staff Riding in the Twenty-First Century: A Need for Pedagogical Change?” Discussant at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.

Siry, Dave (LTC). “Forward March through the Past.” *Hallowed Ground*, Summer 2018.

Villanueva, James (CPT). “Living with an Edge: The Bolo Knife as a Symbol of Filipino Resistance, 1896-1945.” Paper presented at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.

———. Book Review of “The Guerilla Hunters: Irregular Conflicts during the Civil War.” *On Point: The Journal of Army History*, Winter 2018.

Waddell, Steve (Dr.). “Vignettes on the German Military Experience in the Era of the Two World Wars.” Panel Commentator at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.

Watson, Samuel (Dr.). “Military Learning and Adaptation Shaped by Social Context: The U.S. Army and Its ‘Indian Wars,’ 1790-1890.” *Journal of Military History* 82, no. 2 (April 2018): 373–412.

———. “Federal Military Diplomacy in the Early National Borderlands: Federal Military Diplomacy at Vincennes, 1787-1790.” Paper presented at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.

———. “The Civil War.” Chair and Commentator at the Conference on American Political History, Lebanon Valley College, Annville, Pennsylvania, June 9, 2018.

———. “The Progressive Era.” Chair and Commentator at the Conference on American Political History, Lebanon Valley College, Annville, Pennsylvania, June 9, 2018.

Yoshitani, Gail (COL). “Latin Vietnam: How the Vietnam Experience Shaped American Latin American Policy in 1981.” Presented at the Organization of American Historians Annual Meeting, Sacramento, California, April 5, 2018.

———. “Looking for Shapes in Mushroom Clouds: Nuclear Fear during the Reagan Administration.” Panel Chair and Commentator at the 85th Annual Meeting of the Society for Military History, Louisville, Kentucky, April 5, 2018.

Department of Law **COL David Wallace, Department Head**

Bakken, Tim (Prof). “Reforming the Adversarial System and Freeing Innocent People.” Presented at the Redesigning Justice: Promoting Civil Rights, Trust and Fairness, University of Oxford, United Kingdom, March 21, 2018.

Lawless, Robert (CPT). “A State of Complicity: How Russia’s Persistent and Public Denial of Syrian Battlefield Atrocities Violates International Law.” *Harvard National Security Journal* 9, no. 1 (January 2018): 180–226.

McCarthy, Amy H (Prof). “Erosion of the Rule of Law as a Basis for Command Responsibility under International Humanitarian Law.” *Chicago Journal of International Law* 18, no. 2 (Winter 2018): 553–93.

McCarthy, Amy H (Prof). “Unequal Law, Unequal Burden: The All-Male Selective Service Act, Civilian Rights, and the Limits of Military Deference in Modern Supreme Court Jurisprudence.” *Florida State University Law Review* 45, no. 2 (Spring 2018): 137-182.

Reeves, Shane (LTC). “Cybersecurity and Its Functions within the Law.” Panelist at the Ninth Quadrennial Judicial Conference, Washington, D.C., May 8, 2018.

Reeves, Shane (LTC), and CPT Robert Lawless. “Is There an International Legal Basis for the ‘Bloody Nose’ Strategy?” *Lawfare Blog*, January 19, 2018. <https://www.lawfareblog.com/there-international-legal-basis-bloody-nose-strategy>.

Reeves, Shane (LTC), and Michael Schmitt. “An Athens and Sparta Alliance: A Call for Collaboration Between Academics and Practitioners on the Law Governing Conflict.” *Just Security* (blog), March 28, 2018. <https://www.justsecurity.org/54325/athens-sparta-alliance-call-collaboration-academics-practitioners-law-governing-conflict/>.

Reeves, Shane (LTC), MAJ Ronald Alcalá, and LTC John Gregory. “China and the Rule of Law: A Cautionary Tale for the International Community.” *Just Security* (blog), June 28, 2018. <https://www.justsecurity.org/58544/china-rule-law-cautionary-tale-international-community>

Wallace, David (COL), and LTC Mark Visger. “Responding to the Call for a Digital Geneva Convention: An Open Letter to Brad Smith and the Technology Community.” *Journal of Law and Cyber Warfare* 6, no. 2 (Winter 2018).

Williams, Winston (LTC). “U.S. Army JAG Corps Legal Center and School’s Commemoration of Black History Month.” Keynote presented at the U.S. Army JAG Corps Legal Center and School’s commemoration of Black History Month, February 27, 2018.

Department of Mathematical Sciences COL Tina Hartley, Department Head

Adams, Bryan (CPT). “Using Shiny from RStudio to Teach, Motivate, and Evaluate a Classroom Created Social Network.” Presented at the 30th International Conference on Technology in Collegiate Mathematics, Washington, D.C., March 16, 2018.

Alex, Jimmy, **CPT Dusty Turner, Dr. Diana M. Thomas,** Andrew McDougall, Mirna W. Halawani, Steven B. Heymsfield, Corby K. Martin, et al. “Bite Count Rates in Free-Living Individuals: New Insights from a Portable Sensor.” *BMC Nutrition* 4: 23 (May 2018). <https://doi.org/10.1186/s40795-018-0227-x>.

Allen, Brian (Dr.). “IMCF and the Stability of the PMT and RPI.” Presented at the Joint Mathematics Meeting, San Diego, California, January 10, 2018.

———. “IMCF and the Stability of the PMT and RPI Under L2 Convergence.” *Annales Henri Poincaré* 19, no. 4 (April 2018): 1283–1306. <https://doi.org/10.1007/s00023-017-0641-7>.

Arney, Chris (Dr.), and LTC Michael Yankovich. “Enhancing US Security by Modernizing USMA Education with Modeling and Complexity Science.” *Mathematica Militaris* 23, no. 1 (Spring) (May 2018): Article 2.

Arney, Kristen (LTC), Dr. Kayla Blyman, Dr. Lisa Bromberg, MAJ David Delcuadro-Zimmerman, MAJ David Harness, MAJ Scott Warnke, Dr. Frank Wattenberg, and MAJ Sarah Wolberg. “Assessment: From a Silent Killer of Learning to an Active Booster of Better Learning.” Presented at the 30th International Conference on Technology in Collegiate Mathematics, Washington, D.C., March 16, 2018.

Arney, Kristen (LTC), and Dr. Lisa Bromberg. “How (NOT) to Make and Grade Discovery Learning Assessments.” Presented at the 30th International Conference on Technology in Collegiate Mathematics, Washington, D.C., March 16, 2018.

Arney, Kristen (LTC), and Dr. Frank Wattenberg. “Transforming Assessment from a Silent Killer of Learning to an Active Boost.” Presented at the 30th International Conference on Technology in Collegiate Mathematics, Washington, D.C., March 16, 2018.

Arney, Kristin (LTC), and Dr. Kayla K. Blyman. “Transforming Mathematics Assessments to Drive Better Learning.” Presented at the Joint Mathematics Meeting, San Diego, California, January 10, 2018.

Bacon, John (LTC), MAJ David Harness, and LTC Michael Yankovich.

“Preparing New Faculty to Serve Effectively in Your Department.”
Presented at the 30th International Conference on Technology in
Collegiate Mathematics, Washington, D.C., March 16, 2018.

Beshaj, Lubjana (Dr.). “Isogenous Elliptic Subcovers of Genus Two Curves.”

Presented at the American Mathematical Society Spring Central Sectional
Meeting, Ohio State University, Columbus, Ohio, March 16, 2018.

Black, L., N.M. Scala, **COL Paul Goethals**, and J. Howard. “Values and
Trends in Cybersecurity.” In *Proceedings of the 2018 Institute of Industrial
and Systems Engineering Conference*, Orlando, Florida, May 19, 2018.

Blyman, Kayla (Dr.), and LTC Kristin Arney. “An Alternate Assessment
Technique - Evaluated.” Presented at the Joint Mathematics Meeting, San
Diego, California, January 10, 2018.

Blyman, Kayla (Dr.), and MAJ David Delcuadro-Zimmerman. “Engaging
Exams, Evaluating Evaluations: An Alternate Approach Assessed.”
Presented at the 30th International Conference on Technology in
Collegiate Mathematics, Washington, D.C., March 16, 2018.

Bromberg, Lisa (Dr.), and MAJ Michael Seminelli. “The Death of Paper:
Should We Use Digital Assessments in Undergraduate Mathematics?”
Presented at the Joint Mathematics Meeting, San Diego, California,
January 10, 2018.

Bromberg, Lisa (Dr.), and Dr. Michael Steward. “Reflection on Oral
Quizzes.” *Mathematica Militaris* 23, no. 1 (May 23, 2018): Article 8.

Castano, Adriana Meija, Susan Montgomery, Sonia Natale, **Dr. Maria D. Ve-
ga**, and Chelsea Walton. “Deformations of Semisimple Hopf Algebras.”
Presented at the Joint Mathematics Meeting, San Diego, California,
January 10, 2018.

Cramer, Catherine, Raluca Gera, Michaela Labriole, Hiroki Sayama, **Lori
Sheetz (Center for Leadership and Diversity in STEM)**, Emma
Towilson, and Stephen Uzzo. “Cultivating Tipping Points: Network Science
in Teaching.” In *Complex Networks IX*, 175–83. Springer Proceedings in
Complexity. Cham: Springer, 2018. https://doi.org/10.1007/978-3-319-73198-8_15.

**DeGregory, Keith (LTC), CPT Patrick Kuiper, T DeSilvio, MAJ James
Pleuss, CPT Ryan Miller, LTC Jonathan W. Roginski, MAJ
Christopher Fisher, MAJ David Harness, S. Viswanath, S.B.
Heymsfield, Dr. Ivan Dungan, and Dr. Diana Thomas.** “A Review of
Machine Learning in Obesity.” *Obesity Reviews* 19, issue 5 (May 2018):
668-685. <https://doi.org/10.1111/obr.12667>.

**DeMoes '18, Noah (CDT), CDT Gabriel Bann '18, and LTC Randy
Boucher.** “A Complex Variable Boundary Element Method for Modeling
Fluid Flow in High Aspect Ratio Domains.” Presented at the Joint
Mathematics Meeting, San Diego, California, January 10, 2018.

**Demoes '18, Noah J. (CDT), CDT Gabriel T. Bann '18, 2LT Bryce D.
Wilkins '17, Dr. Theodore V. Hromadka II, and LTC Randy Boucher.**
“35 Years of Advancements with the Complex Variable Boundary
Element Method.” *International Journal of Computational Methods and
Experimental Measurements* 7:1 (January 7, 2018): 1–13. <https://doi.org/10.2495/CMEM-V7-N1-1-13>.

Dungan, Ivan (Dr.), and Ettore Aldovandi. “Algebraic Models of Homotopy
N-Types.” Presented at the Joint Mathematics Meeting, San Diego,
California, January 10, 2018.

Dungan, Ivan (Dr.), and LTC Randy Boucher. “An Alternative Calculus
Sequencing for an Undergraduate Core Mathematics Program.” Presented
at the Joint Mathematics Meeting, San Diego, California, January 10, 2018.

Ejima, Keisuke, **Dr. Diana M. Thomas**, and David B. Allison. “A
Mathematical Model for Predicting Obesity Transmission with Both
Genetic and Nongenetic Heredity.” *Obesity* 26, no. 5 (May 2018): 927–33.
<https://doi.org/10.1002/oby.22135>.

Goethals, Paul (COL). “Exploring Cyberspace: An Industrial Engineering
Perspective.” Presented at the Clemson University Industrial Engineering
Department Distinguished Researcher Seminar Series, Clemson, South
Carolina, April 20, 2018.

Goethals, Paul (COL). “Factor Space Profiles: Visualizing Optimality for the
Manufacturer.” Presented at the Institute of Industrial and Systems
Engineering Conference, Orlando, Florida, May 19, 2018.

Goethals, Paul (COL), and MAJ Karoline Hood. “Classifying the
Engineering Mathematics Student: An Investigation of Trends in
Learning.” Presented at the American Society of Engineering Education
(ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Goethals, Paul (COL), and N.M. Scala. “Eliminating the Weakest Link to
Army Readiness,” *Decision Analysis* 15, no. 2 (June 2018): 110-130.

Goethals, Paul (COL), and N.M. Scala. “Military Preparedness: An
Approach for Readiness Measurement.” Presented at the Institute of
Industrial and Systems Engineering Conference, Orlando, Florida, May 19,
2018.

Guest, Scott, and **Dr. Lubjana Beshaj**. “Weighted Moduli Space of Binary Sextics.” Presented at the American Mathematical Society Spring Central Sectional Meeting, Ohio State University, Columbus, Ohio, March 16, 2018.

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Kroeger, Cynthia M., David B. Allison, **Dr. Diana M. Thomas**, and Cynthia O. Siu. “Overlooking Regression to the Mean Leads to Unwarranted Interpretations: Letter Concerning, ‘Do Obese and Extremely Obese Patients Lose Weight after Lumbar Spine Fusions? Analysis of a Cohort of 7303 Patients from the Kaiser National Spine Registry.’” *Spine* 43, no. 8 (April 15, 2018): E492-493. <https://doi.org/10.1097/BRS.0000000000002564>.

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Turner, Dusty (CPT). “Sentiment Analysis in Restricted Environments.” Presented at the NATO Science and Technology Organization Specialists’ meeting on Big Data and Artificial Intelligence for Military Decision Making, Bordeaux, France, June 30, 2018.

Turner, Dusty (CPT), MAJ Karoline Hood, and CPT Patrick Kuiper. “Sentiment Analysis in Puerto Rico in the Wake of Hurricane Maria.” Presented at the Analytic Support to Contingency/Named Operations and Advancing the Professionalism of Assessments: A MORS Assessments Special Session, MacDill Air Force Base, Tampa, Florida, March 26, 2018.

Vega, Maria D. (Dr.) “Categorical Twisted Frobenius--Schur Indicators.” Presented at the Joint Mathematics Meeting, San Diego, California, January 10, 2018.

———. “Cocycle Deformations and Galois Objects for Semisimple Hopf Algebras of Dimension p^3 .” Presented at the Joint Mathematics Meeting, San Diego, California, January 10, 2018.

Wattenberg, Frank (Dr.), LTC Kristin Arney, LTC John Bacon, Dr. Kayla K. Blyman, Dr. Lisa Bromberg, MAJ David Delcuadro-Zimmerman, MAJ David Harness, MAJ Scott Warnke, and MAJ Sarah Wohlberg. “ASSESSMENT: Transforming the Silent Killer of Learning to an Active Booster of Learning.” Presented at the Joint Mathematics Meeting, San Diego, California, January 10, 2018.

Williams, Nakeya D. (Dr.) “Mathematical Modeling of Cardiovascular Dynamics during Orthostatic Stress.” Presented at the Joint Mathematics Meeting, San Diego, California, January 10, 2018.

Wolfe, Bruce M., Dale A. Schoeller, Shelly K. McCrady-Spitzer, **Dr. Diana M. Thomas**, Chad E. Sorenson, and James A. Levine. “Resting Metabolic Rate, Total Daily Energy Expenditure, and Metabolic Adaptation 6 Months and 24 Months After Bariatric Surgery.” *Obesity* 26, no. 5 (May 1, 2018): 862–68. <https://doi.org/10.1002/oby.22138>.

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Department of Physics and Nuclear Engineering COL Edward Naessens, Department Head

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Fekete, Paula (Dr.), Dipendra Dahal, and Godfrey Gumbs. “Impurity Screening by a Graphene Monolayer Under Uniaxial Strain.” Poster presented at the APS March Meeting 2018, Los Angeles, California, March 8, 2018. <http://meetings.aps.org/Meeting/MAR18/Session/T60.213>.

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Kashinski, David (Dr.), CDT Matthew G. Suarez '19, and CDT Constantine C. Stephens '19. “DFT Calculation of the Renner Coefficient for the Renner-Teller Splitting in the NCO Radical: Assessing the Accuracy of Functional Families and Basis Sets.” Poster presented at the 49th annual meeting of the American Physical Society’s Division of Atomic Molecular and Optical Physics (APS-DAMOP), Ft. Lauderdale, Florida, June 29, 2018.

O’Neill '18, Jacob (CDT), Dr. Mitch Pfenning, CPT Thomas Halverson, Dr. Mary Lanzerotti, LTC Kirk Ingold (PRC-EECS), and COL John Hartke. “Using Differential Temperature Sensors to Measure Cn2 in an Experimental Campaign at West Point.” Presented at the 20th Annual Directed Energy Professional Society’s Science and Technology Symposium 2018, Oxnard, California, March 26, 2018.

Roll '19, John (CDT), CPT Dan Konopa (PRC-EECS), COL John Hartke, LTC Kirk Ingold (PRC-EECS), and Dr. David Kashinski. “The Effects of Rotation Speed, Engagement Power, and Inert Thermal Sinks on the Laser Heating of Cold Rolled Steel Targets.” Presented at the 20th Annual Directed Energy Professional Society’s Science and Technology Symposium 2018, Oxnard, California, March 26, 2018.

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Department of Social Sciences COL Suzanne Nielsen, Department Head

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Bird, Kelli (OEMA), Benjamin Castleman, and Cait Lamberton. “Nudging at a National Scale: Experimental Evidence From a FAFSA Completion Campaign.” Paper presented at the American Economic Association ASSA Annual Meeting, Philadelphia, Pennsylvania, January 5-7, 2018.

Carter, Susan (Dr.) (OEMA), Marieke Bos, and Paige Marta Skiba. “Balancing Act: New Evidence and a Discussion of the Theory on the Rationality and Behavioral Anomalies of Choice in Credit Markets.” In *Research Handbook on Behavioral Law and Economics*, edited by Joshua C. Teitelbaum and Kathryn Zeiler. Cheltenham, UK : Northampton, MA: Edward Elgar Pub, 2018.

Carter, Susan (Dr.) (OEMA), and LTC William Skimmyhorn (OEMA). “Can Information Change Personal Retirement Savings? Evidence from Social Security Benefits Statement Mailings.” *AEA Papers and Proceedings* 108 (May 2018): 93–97. <https://doi.org/10.1257/pandp.20181041>.

- Colas, Brandon.** “Understanding the Idea: Dynamic Equivalence and the Accurate Translation of Jihadist Concepts.” *Studies in Conflict and Terrorism*, January 8, 2018. <http://www.tandfonline.com/doi/full/10.1080/1057610X.2018.1425109>.
- Colella, Mackenzie (CPT).** “Where Have the Democratic Hawks Gone? War, Polarization, and Public Opinion.” Presented at the 76th annual Midwest Political Science Association Conference, Chicago, Illinois, April 5, 2018.
- Freitas, Molly (Dr.).** “Invisible Tattoos of Trauma and Marked Resistance in Zitkala-Sa.” Panelist at the Annual Meeting of the American Comparative Literature Association, Los Angeles, California, March 31, 2018.
- . “The Masculine Sea: Gender, Art, and Suicide in Kate Chopin’s *The Awakening*.” In *Kate Chopin*, edited by Harold Bloom, 2018 Edition. Bloom’s Modern Critical Views. Chelsea House, 2018.
- Gerstein, Sarah (MAJ).** “A New Model for Interagency Cooperation: Refining the Bureaucracy.” Paper presented at the New England Political Science Association Annual Meeting, Portsmouth, New Hampshire, April 19, 2018.
- . “Confirmation Bias in the Central Intelligence Agency’s Assessment of the Soviet Union.” Paper presented at the International Studies Association Annual Convention, San Francisco, California, April 7, 2018.
- Griffiths, Zachary (MAJ).** “Small Boats, Long Wars: The Impact of Maritime Operations on Insurgency Duration.” Presented at the 76th annual Midwest Political Science Association Conference, Chicago, Illinois, April 5, 2018.
- Kofoed, Michael (Dr.).** “Pell Grants and Labor Supply: Evidence from a Regression Kink.” Presented at the Association for Education Finance and Policy 43rd Annual Conference, Portland, Oregon, March 15, 2018.
- Kofoed, Michael (Dr.),** and Christopher Fawson. “A Neighborly Welcome?: Charter School Entrance and Public School Competition on the Capital Margin.” Paper presented at the American Economic Association ASSA Annual Meeting, Philadelphia, Pennsylvania, January 5-7, 2018.
- Kofoed, Michael (Dr.),** and 2LT Wyatt J. Frasier ’17. “[Job] Locked and [Un]Loaded: Evidence of the Effect of the Affordable Care Act Dependency Mandate on Job Lock in the U.S. Army.” Invited Lecture, Utah State University, Logan, Utah, January 16, 2018.
- Landers ’18, Morgan (CDT),** and CPT Meghan Starr. “The Nightman Cometh.” Presented at the 2018 HUIIC Arts, Humanities, Social Science, and Education Conference, Honolulu, Hawaii, January 3, 2018.
- McMahon, Sean (MAJ).** “A Struggle for Power: Service Provision and Civil-Military Relations in Latin America.” Presented at the 76th annual Midwest Political Science Association Conference, Chicago, Illinois, April 5, 2018.
- Parker, Johnathon (CPT).** “Issue Ownership Capture Theory: When Do Veteran Democratic Congressional Candidates Capitalize on Their Military Advantage?” Presented at the 76th annual Midwest Political Science Association Conference, Chicago, Illinois, April 5, 2018.
- Perlik, Kerney (MAJ).** “The Refugee Gap Index (RGI).” Paper presented at the New England Political Science Association Annual Meeting, Portsmouth, New Hampshire, April 19, 2018.
- . “Winning Vietnam: Salvaging Loss through Post-War US Foreign Policy.” Paper presented at the New England Political Science Association Annual Meeting, Portsmouth, New Hampshire, April 19, 2018.
- Person, Robert (Dr.).** “Beyond Tactics: Hybrid Balancing as Geopolitical Strategy.” Presented at the 76th annual Midwest Political Science Association Conference, Chicago, Illinois, April 5, 2018.
- Starr, Meghan (CPT).** “The Compromise That Wasn’t: Creation of the Military’s “Don’t Ask, Don’t Tell” Policy.” Presented at the 2018 HUIIC Arts, Humanities, Social Science, and Education Conference, Honolulu, Hawaii, January 3, 2018.
- Suba ’19, Madeline (CDT),** and CPT Meghan Starr. “Color Coded: The Introduction of African Americans into the U.S. Military.” Presented at the 2018 HUIIC Arts, Humanities, Social Science, and Education Conference, Honolulu, Hawaii, January 3, 2018.
- Vaeni, Brian (MAJ).** “Misperceiving Soviet Intentions: The OSS’s Motivated Bias.” Paper presented at the New England Political Science Association Annual Meeting, Portsmouth, New Hampshire, April 19, 2018.
- Wright, Michael (CPT).** “Relative Partisanship of Military Veterans in Congress.” Presented at the 76th annual Midwest Political Science Association Conference, Chicago, Illinois, April 5, 2018.

Department of Systems Engineering
COL Robert Kewley, Department Head

Gillespie, Stephen (MAJ). “Network Analysis of System Architecture to Inform Test and Evaluation Activities.” Presented at the 86th Military Operations Research Society Symposium, Monterey, California, June 18, 2018.

Gillespie, Stephen (MAJ), MAJ Chris Fisher (D/Math-ORCEN), and Jeff Demarest (ORCEN). “Using Python to Communicate Analysis in a User Friendly Manner.” Presented at the 86th Military Operations Research Society Symposium, Monterey, California, June 18, 2018.

Gillespie, Stephen (MAJ), and COL Alex McCalman. “A Case Study in Developing an Integrated Data and Model Management System for the Development of a Complex Engineered System.” Presented at the IEEE Technology and Engineering Management Conference (TEMSCON), Evanston, Illinois, June 2018.

Gillespie, Stephen (MAJ), MAJ Thomas Ryan, and LTC James Schreiner. “Teaching Systems Thinking: A Case Study at the United States Military Academy.” Presented at the 12th Annual IEEE International Systems Conference (SysCon), Vancouver, Canada, April 23, 2018.

Department of Military Instruction
COL William Ostlund, Department Head

Beehner, Lionel (Dr.). “Fragile States and the Territory Conundrum to Countering Violent Nonstate Actors.” *Democracy and Security* 14, no. 2 (April 3, 2018): 101–27. <https://doi.org/10.1080/17419166.2017.1408009>.

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Beehner, Lionel (Dr.), COL Liam Collins. “A Staff Ride for the Modern Battlefield.” *Journal of Military Learning*, April 2018, 66–75.

Spencer, John (MAJ), Dr. Lionel Beehner, CPT Brandon Thomas (BS&L). “Putting Concepts of Future Warfare to the Test.” *Military Review*, April 2018, 81–89.

Department of Physical Instruction
COL Nicholas Gist, Master of the Sword

Suby, Jason, and Dr. Lynn Fielitz. “Innovative Assessment in Physical Fitness.” Presented at the Assessment Network of New York’s 6th Annual Conference, Syracuse, New York, April 18, 2018.

Army Cyber Institute
COL Andrew Hall, Director

Bell, Patrick (MAJ), and Dr. Jan Kallberg (D/SS). “The Death of the Cyber Generalist.” *War Room: United States Army War College*, June 8, 2018. <https://warroom.armywarcollege.edu/articles/death-of-cyber-generalist/>

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Combatting Terrorism Center
LTC Bryan Price, Director

Butts, Kristin, Margaret Ferrill, **Kristina Hummel**, and Steve Ozinga. “Austria and the Refugee Crisis: An Analysis of American Sentiment in Social versus Print Media.” Presented at the 2018 Southern Political Science Association Conference, New Orleans, Louisiana, January 4, 2018.

Dean, Aimen, **Paul Cruickshank (CTC Sentinel Editor-in-Chief)**, and Tim Lister. *Nine Lives: My Time as the West’s Top Spy inside Al-Qaeda*. S.I.: Oneworld Publications, 2018.

Dodwell, Brian. “Key Evolving Challenges in Counterterrorism.” Presented at the U.S. Attorney’s Office’s Intelligence Specialists Conference, Columbia, South Carolina, February 1, 2018.

Dodwell, Brian, and Dr. Daniel Milton. “Using Captured Enemy Material to Better Inform CT Policy and Thinking About Non-Kinetic CT.” Presented at the Command and General Staff College, Ft. Leavenworth, Kansas, June 21, 2018.

Jadoon, Amira (Dr.). “Causes and Consequences of Civil Conflict.” Chair and Discussant at the 76th annual Midwest Political Science Association Conference, Chicago, Illinois, April 5, 2018.

———. “ISIS in the Caucasus & Kashmir.” Panelist at the Strategic Red Team at the Joint Improvised-Threat Defeat Organization (JIDO), Reston, Virginia, February 28, 2018.

———. “US Military Aid - A Double-Edged Sword?” Presented at the 76th annual Midwest Political Science Association Conference, Chicago, Illinois, April 5, 2018.

———. “Research Exploring the Interaction of Foreign Aid with Domestic Conflict Processes within Recipient States.” Presented at the Ending Atrocities Workshop, Uppsala University, Sweden, June 2018.

Jadoon, Amira (Dr.), Nakissa Jahanbani, and Charmaine Willis. “Challenging the ISK Brand in Afghanistan-Pakistan: Rivalries and Divided Loyalties.” *CTC Sentinel* 11, no. 4 (April 2018). <https://ctc.usma.edu/challenging-isk-brand-afghanistan-pakistan-rivalries-divided-loyalties/>.

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———. “Fatal Attraction: Explaining Variation in the Attractiveness of Islamic State Propaganda.” *Conflict Management and Peace Science*, March 29, 2018. <https://doi.org/10.1177/0738894218759008>.

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———. “The United Nations, the African Union, and the Counterterrorism Question in Peacekeeping.” Presented at the African Countries on the Periphery of Terrorism Conference hosted by the African Center for Strategic Studies (DoD), Stellenbosch, South Africa, May 6, 2018.

———. “The Future of the Islamic State in Africa.” Presented at the 21st Century Challenges in Africa Conference for members of the USG working in African affairs, hosted by the Defense Intelligence Agency at the National Defense University in Washington, D.C., Washington, D.C., May 14, 2018.

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Warner, Jason (Dr.), and Timothy M. Shaw, eds. *African Foreign Policies in International Institutions*. New York, New York: Palgrave Macmillan, 2018.

Yon, Rachel (Dr.). “‘Lip Service’ for Girls: Policy Implementation and the Juvenile Justice System.” Presented at the 2018 HUIC Arts, Humanities, Social Science, and Education Conference, Honolulu, Hawaii, January 3, 2018.

Yon, Richard (Dr.). “The Biden Vice Presidency: A Case Study in Influence.” Presented at the 2018 HUIC Arts, Humanities, Social Science, and Education Conference, Honolulu, Hawaii, January 3, 2018.

USMA Library

Christopher Barth, Librarian and Associate Dean

Arden, Michael. “E-Books and More: Panel Discussion.” Panelist at the ConnectNY Collaboration Day, Rochester, New York, May 23, 2018.

Barth, Chris. “Leadership and Management: How They Work Together.” Webinar for the Council of State Archivists, 54:48, March 22, 2018. <https://youtu.be/Ud1i-SecOBM>.

Danley, Mark (Dr.). “Case Study Lecture: Clash of Ideologies: Fighting and Terminating a Major Regional War—The Korean War, 1950-1953.” Guest Lecture for the Strategy and War Core Course, Fleet Seminar Program of the Naval War College delivered at Annapolis, Maryland, February 2018.

Mosher, Laura. “Engineering Libraries Division Technical Session 3.” Moderator at the American Society of Engineering Education (ASEE) Conference, Salt Lake City, Utah, June 24, 2018.

Olijnyk, Nicholas V (Dr.). “Examination of China’s Performance and Thematic Evolution in Quantum Cryptography Research Using Quantitative and Computational Techniques.” *PLOS ONE* 13, no. 1 (January 31, 2018): e0190646. <https://doi.org/10.1371/journal.pone.0190646>.

Seminelli, Heather. “Celebrating Faculty Scholarship.” Presented at SENY-Con, Highland, New York, April 13, 2018.

———. “Communicating Math so It Matters.” Presented at the 30th International Conference on Technology in Collegiate Mathematics, Washington, D.C., March 16, 2018.

Shea, Karen, and Heather Seminelli. “Personalizing the First Year Students’ Library Experience.” Presented at SENY-Con, Highland, New York, April 13, 2018.

Center for Enhanced Performance LTC Darcy Schnack, Director

Taktek, K., **Dr. Nate Zinsser, Dr. Lynn Fielitz (DPE)**, and R. St-John. “Learning How to Prepare Athletes for Peak Performance: Use of Mental Imagery Training as a Psychological Strategy to Enhancing Motor Learning, Retention and Transfer.” Presented at the 29th International Congress of Applied Psychology (ICAP) in collaboration with the Canadian Psychological Association (CPA), Montreal, Quebec, June 26, 2018.

Taktek, K., **Dr. Nate Zinsser, Dr. Lynn Fielitz (DPE)**, and R. St-John. “The Psychology of Training: How to Use Mental Imagery Efficiently to Enhance Sports Performance.” Presented at the International Congress of the French Society of Sport Psychology, Lausanne, Switzerland, June 13, 2018.

USMA Preparatory School Melanie Wong Dodge, Academic Dean

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Call for Published Scholarship

The Office of the Dean and the USMA Library continue to seek the submission of scholarship published by cadets, faculty, and staff in order to better promote and celebrate the contribution by USMA personnel to scholarly communication across all disciplines.

Work should be original scholarship, and can include monographs, journal articles, bibliography, conference presentations and papers, research posters, literature, art, poetry, film, and music.

The period of interest for the next Dean's Celebration of West Point Authors is 01 July - 31 December 2018. Please submit your work to your library liaison listed below:

Behavioral Sciences and Leadership	Coming Soon!
Chemistry and Life Science	Manja Yirka
Civil and Mechanical Engineering	Laura Mosher
Electrical Engineering and Computer Science	Nick Olijnyk
English and Philosophy	Susan Lintelmann
Foreign Languages	Elaine McConnell
Geography and Environmental Engineering	Alicia Mauldin-Ware
History	Mary Ahenakew
Law	Suzanne Christoff
Mathematical Sciences	Heather Seminelli
Physics and Nuclear Engineering	Jenn Chess
Social Sciences	Michael Arden
Systems Engineering	Daniel Pritchard
Military Instruction	Daniel Pritchard
Physical Education	Celeste Evans
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