



A Celebration of West Point Scholars and Creators

Highlighting the 137 collected
works of scholarship published and presented
between July 1, 2023 - June 30, 2024.



A Celebration of West Point Scholars and Creators

We celebrate the 137 works of scholarship produced at the
Academy between July 2023 - June 2024.

The presentations will highlight the theme of
innovation, technology, and the future of national defense.

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Department of Behavioral Sciences and Leadership

COL Everett Spain, Department Head

- Bates, Archie L. III (COL), Dr. Joel K. Cartwright, and Dr. Lissa V. Young. "I see you in me: measuring mentee-mentor identification in peer-mentoring relationships," *Mentoring & Tutoring: Partnership in Learning*, (February 2024). <https://doi.org/10.1080/13611267.2024.2313840>.
- Deekens, Victor M. (COL), Brian M. Cartiff, and Jeffrey A. Greene. "Experts' adaptation of apt epistemic performance: The role of practical knowledge." *Journal of the Learning Sciences*, (2024): 465-501. <https://doi.org/10.1080/10508406.2024.2338937>.
- Ender, Morten G. (Dr.), Ryan Keltz, David E. Rohall, and Dr. Michael D. Matthews (eds.). *Inclusion in the American Military: A Force for Diversity*, Second edition, Lanham, Maryland: Lexington Books, 2023.
- Ender, Morten G. (Dr.), *Army Spouses: Military Families During the Global War on Terror*. Charlottesville, Virginia: University of Virginia Press, 2023.
- Greene, Jeffrey A., Christine Hollander-Blackmon, Eric A. Kirk, and COL Victor M. Deekens. "What are they thinking? Exploring college students' mental processing and decision making about COVID-19 (mis)information on social media." *Journal of Educational Psychology*, 116(1), 76-101, (January 2024). <https://doi.org/10.1037/edu0000842>.
- Korenman, Lisa (Dr.), Dr. Elizabeth Wetzler, Samantha Leahy, and Dr. Lissa V. Young. "Voices of Leadership: The Effects of Voice Pitch on Perceived Leadership Capabilities." *Advancing Women in Leadership Journal*, 42: 123-131 (2023). <https://doi.org/10.21423/awlj-v42.a400>.
- Matthews, Michael D. (Dr.), and Richard M. Lerner. *Volume I: Multidisciplinary Handbook of Character Development: Conceptualizing and Defining Character Virtues*. London: Routledge, February 2024.
- Matthews, Michael D. (Dr.), and Richard M. Lerner. *Volume II: Multidisciplinary Handbook of Character Development: Conceptualizing and Defining Character Virtues*. London: Routledge, February 2024.
- Wetzler, Elizabeth L. (Dr.), Dr. Ryan G. Erbe, James F.M. Cornwell, and LTC Michael D. Wood. "Dispositional mindfulness moderates the links between potentially morally injurious event exposure and symptoms of anxiety and depression but not suicidal ideation." *Journal of Traumatic Stress* (March 2024). <https://doi.org/10.1002/jts.23032>.

Wetzler, Elizabeth L. (Dr.), Dr. Lisa M. Korenman, and Stephen R. Rylander. "Gender Bias in Perceptions of Military Leaders: Hostile Sexism Moderates Men's Evaluations of Faces." *Sex Roles* 90, no. 4 (2024): 552-564. <https://doi.org/10.1007/s11199-024-01462-5>.

Department of Chemistry and Life Science

COL F. John Burpo, Department Head

Acquarone, Matteo, Gabriele Pozzato, COL Corey James, and Simona Onori. "Exergy Management Strategies for Hybrid Electric Ground Vehicles: A Dynamic Programming Solution." *Journal of Dynamic Systems, Measurement, and Control* 146, no. 3 (May 1, 2024): 031004. <https://doi.org/10.1115/1.4063610>.

Allen, Jan L., Xiaoming Ren, COL Chi K. Nguyen, CDT David C. Horn '25, H. Hohyun Sun, and Dat T. Tran. "High Conductivity and Rate Capability of $\text{NaNb}_{13}\text{O}_{33}$ Wadsley–Roth Phase as a Fast-Charging Li-Ion Anode." *ChemElectroChem* 10, no. 20 (October 16, 2023): e202300267. <https://doi.org/10.1002/celec.202300267>.

Almaraz, Rafael, Thomas Sayer, LTC Justin Toole, Rachele Austin, Yusef Farah, J. M. Redwing, Nicholas Trainor, Amber Krummel, Andres Montoya Castillo, and Justin Sambur. "Quantifying Interfacial Energetics of 2D Semiconductor Electrodes Using in Situ Spectroelectrochemistry and Many-Body Theory." *Energy & Environmental Science*, August 16, 2023. <https://doi.org/10.1039/D3EE01165H>.

Bigi, Alessandra, Dr. Ryan Limbocker, and Cristina Cecchi. "Editorial: Promising Therapeutic Strategies for Alzheimer's Disease: A Focus on Amyloid- β Targeting." *Frontiers in Neuroscience* 18, (April 24, 2024). <https://doi.org/10.3389/fnins.2024.1415641>.

Brasko, Brianna (CDT '25), Jahryca McClean, Emily Penick, and LTC Sara Mullaney. "HPV Vaccine Usage Among the U.S. Military Academy Corps of Cadets (2018-2025)." *Military Medicine*, November 17, 2023. <https://doi.org/10.1093/milmed/usad428>.

Calabro, Rosemary L., COL F. John Burpo, Stephen F. Bartolucci, and Joshua A. Maurer. "Seed-Mediated Growth of Oxidation-Resistant Copper Nanoparticles." *The Journal of Physical Chemistry C* 127, no. 31 15307–15 (August 10, 2023). <https://doi.org/10.1021/acs.jpcc.3c02369>.

Chia, Sean, Rodrigo Lessa Cataldi, Francesco Simone Ruggeri, Dr. Ryan Limbocker, Itzel Condado-Morales, Katarina Pisani, Andrea Possenti, et al. "A Relationship between the Structures and Neurotoxic Effects of A β Oligomers Stabilized by Different Metal Ions." *ACS Chemical Neuroscience* 15, no. 6 (March 20, 2024): 1125–34. <https://doi.org/10.1021/acschemneuro.3c00718>.

- Errico, Silvia, Giacomo Lucchesi, Davide Odino, Enass Youssef Osman, Roberta Cascella, Lorenzo Neri, Claudia Capitini, **Dr. Ryan Limbocker**, et al. “Quantitative Attribution of the Protective Effects of Aminosterols against Protein Aggregates to Their Chemical Structures and Ability to Modulate Biological Membranes.” *Journal of Medicinal Chemistry*, July 11, 2023, acs.jmedchem.3c00182. <https://doi.org/10.1021/acs.jmedchem.3c00182>.
- Esselman, Brian J., Edward B. Pimentel, William H. Styers, **CPT Dairen R. Jean**, R. Claude Woods, and Robert J. McMahon. “The 235–360 GHz Rotational Spectrum of 1-Oxaspiro [2.5] Octa-4,7-Dien-6-One-Analysis of the Ground Vibrational State and Its 10 Lowest-Energy Vibrationally Excited States.” *The Journal of Physical Chemistry A* 128, no. 1 (January 11, 2024): 191–203. <https://doi.org/10.1021/acs.jpca.3c07049>.
- Fronney, Merrill M., Michael B. Jarstfer, Samantha G. Pattenden, Amanda C. Solem, Olubunmi O. Aina, **LTC (R) Melissa R. Eslinger**, Aeisha Thomas, and Courtney M. Alexander. “Behind the Screen: Drug Discovery Using the Big Data of Phenotypic Analysis.” *Frontiers in Education* 9 (February 14, 2024). <https://doi.org/10.3389/feduc.2024.1342378>.
- Geiwitz, Michael, Owen Rivers Page, Tio Marello, Marina E. Nichols, Narendra Kumar, **LTC Stephen Hummel**, Vsevolod Belosevich, et al. “Graphene Multiplexed Sensor for Point-of-Need Viral Wastewater-Based Epidemiology.” *ACS Applied BioMaterials* 7, no. 7: 4622–32 (July 15, 2024). <https://doi.org/10.1021/acsabm.4c00484>.
- Gettings, Matthew L. (LTC)**, Matthias Zeller, and Davin G. Piercey. “Synthesis and Crystal Structures of 4-Methoxyphenyl- N-phenylhydrazine-1-carbothioamide Isomers and 2,2’-(1,2,4,5-tetrazine-3,6-diyl) Bis (N-phenylhydrazine-1-carbothioamide).” *ChemistrySelect* 8, no. 26: e202302016 (July 14, 2023). <https://doi.org/10.1002/slct.202302016>.
- Haskins, Breanne E., Jodi A. Gullicksrud, Bethan A. Wallbank, **Dr. Jennifer E. Dumaine**, Amandine Guérin, Ian S. Cohn, Keenan M. O’Dea, et al. “Dendritic Cell-Mediated Responses to Secreted *Cryptosporidium* Effectors Promote Parasite-Specific CD8+ T Cell Responses.” *Mucosal Immunology* 17, no. 3: 387–401 (June 1, 2024). <https://doi.org/10.1016/j.mucimm.2024.03.003>.
- Hilliard, James J., Charles Jakielaszek, Frank Mannino, Mohammad Hossain, Lian Qian, Cindy Fishman, Samandra Demons, **LTC Jeremy Hershfield**, et al. “Efficacy of Therapeutically Administered Gepotidacin in a Rabbit Model of Inhalational Anthrax.” Edited by James E. Leggett. *Antimicrobial Agents and Chemotherapy* 68, no. 3: e01497-23 (March 6, 2024). <https://doi.org/10.1128/aac.01497-23>.

- Jane, Robert, CDT Samantha Rose '25, and COL Corey M. James. "Advancing Artificial Intelligence (AI) and Machine Learning (ML) Based Soft Sensors for In-Cylinder Predictions with a Real-Time Simulator and a Crank Angle Resolved Engine Model." *Energies* 17, no. 11: 2731 (June 4, 2024). <https://doi.org/10.3390/en17112731>.
- Jean, Dairen R. (CPT), Samuel A. Wood, Brian J. Esselman, R. Claude Woods, and Robert J. McMahon. "Rotational Spectroscopy of 1-Cyano-2-Methylenecyclopropane (C₅H₅N) □ A Newly Synthesized Pyridine Isomer." *The Journal of Physical Chemistry A* 128, no. 8: 1427–37 (February 29, 2024). <https://doi.org/10.1021/acs.jpca.3c08002>.
- Klarmann, George J., Maria E. Piroli, Dr. Joseph R. Loverde, Andrew F. Nelson, Zhaozhang Li, Kristin H. Gilchrist, Joel D. Gaston, and Vincent B. Ho. "3D printing a universal knee meniscus using a custom collagen ink." *Bioprinting* 31: e00272 (June 1, 2023). <https://doi.org/10.1016/j.bprint.2023.e00272>.
- Kovacs, Christopher J, CDT Erika M Rapp '24, CDT Sophia M. McKenzie '23, CDT Michael Z. Mazur '23, CDT Riley P McHale '23, CDT Briana Brasko '25, Michael Y Min, COL F. John Burpo, and COL Jason C Barnhill. "Disruption of Biofilm by Bacteriophages in Clinically Relevant Settings." *Military Medicine*, usad385, October 17, 2023. <https://doi.org/10.1093/milmed/usad385>.
- Melanson, Vanessa R. (LTC), LTC Jeremy R. Hershfield, Michael Kevin Deegan, Hyeveen Cho, Dion Perinon, MAJ Stacey L. Bateman, and COL Jason C. Barnhill. "Artificial Blood Development Implications for Military Medicine." *Journal of Special Operations Medicine: A Peer Reviewed Journal for SOF Medical Professionals* 23, no. 3: 63–69 (October 5, 2023).
- Mlynek, Kevin D., Curtis R. Cline, Sergei S. Biryukov, Ronald G. Toothman, Beth A. Bachert, Christopher P. Klimko, Jennifer L. Shoe, et al. "The rLVS Δ capB / iglABC vaccine Provides potent protection in Fischer rats against inhalational tularemia caused by various virulent *Francisella tularensis* strains." *Human Vaccines & Immunotherapeutics* 19, no. 3: 2277083 (December 15, 2023). <https://doi.org/10.1080/21645515.2023.2277083>.
- Mohammadipoor, Arezoo, Megan R. Hershfield, Hans R. Linsenhardt, James Smith, James Mack, Shanmugasundaram Natesan, Dayna L. Averitt, Thomas R. Stark, and Natasha M. Sosanya. "Biological Function of Extracellular Vesicles (EVs): A Review of the Field." *Molecular Biology Reports* 50, no. 10: 8639–51 (October 1, 2023). <https://doi.org/10.1007/s11033-023-08624-w>.

- Mullaney, Sara B. (LTC), CDT Legé Rozier '24, CDT Gerald D. Moore '23, and CDT Chiweta Ajufoh '23. "Factors Associated with Military Working Dog Global Electronic Veterinary Health Record Master Problem List Entries, 2018-2022: Medical Journal, US Army Medical Center of Excellence (MEDCoE)." *Medical Journal, US Army Medical Center of Excellence (MEDCoE)*, October 2023, 28–36.
- Peters, Michael M., Jackson K. Brister, CDT Edward M. Tang '24, CDT Felita W. Zhang '24, CDT Veronica M. Lucian '22, CDT Paul D. Trackey '24, CDT Zachary Bone '24, et al. "Self-organizing behaviors of cardiovascular cells on synthetic annofiber scaffolds." *APL Bio-engineering* 7, no. 4: 046114 (December 1, 2023). <https://doi.org/10.1063/5.0172423>.
- Pincot, Andre, COL F. John Burpo, Elahe Javadi, Safa Jamali, Sean Farrington, and LTC (R) Matthew J. Armstrong. "Characterizing blood hysteresis via tensorial thixo-elasto-viscoplastic Modeling." *Physics of Fluids* 35, no. 11: 113104 (November 1, 2023). <https://doi.org/10.1063/5.0169051>.
- Purdy, Stephen C., Gregory Collinge, Junyan Zhang, Shivangi N. Borate, Kinga A. Unocic, Qiyuan Wu, Evan C. Wegener, Dr. Simuck F. Yuk, et al. "Dynamic Copper Site Redispersion through Atom Trapping in Zeolite Defects." *Journal of the American Chemical Society* 146, no. 12: 8280–97 (March 27, 2024). <https://doi.org/10.1021/jacs.3c13302>.
- Rinauro, Dillon J., Fabrizio Chiti, Michele Vendruscolo, and Ryan Limbocker. "Misfolded roptein oligomers: mechanisms of formation, cytotoxic effects, and pharmacological approaches against protein misfolding diseases." *Molecular Neurodegeneration* 19, no. 1: 20 (February 20, 2024). <https://doi.org/10.1186/s13024-023-00651-2>.
- Rodriguez-Millan, M., I. Rubio, COL F. John Burpo, A. Olmedo, J. A. Loya, COL Kevin K. Parker, and M. H Miguélez. "Impact response of advance combat helmet pad Systems." *International Journal of Impact Engineering* 181: 104757 (November 1, 2023). <https://doi.org/10.1016/j.ijimpeng.2023.104757>.
- Rozier, Lege S. (CDT '24), LTC Sara B. Mullaney, George R Thompson III, CDT Gerald D. Moore '23, CDT Chiweta O. Ajufoh '23, Angelina A Gerardo, and Jane E Sykes. "Coccidioides spp. exposure among military working dogs in endemic regions of the United States." *Medical Mycology* 61, no. 11: myad109 (November 6, 2023). <https://doi.org/10.1093/mmy/myad109>.
- Tian, Jinshu, Gregory Collinge, Dr. Simuck F. Yuk, Jindong Lin, Vassiliki-Alexandra Glezakou, Mal-Soon Lee, Yong Wang, and Roger Rousseau. "Dynamically Formed Active Sites on Liquid

Boron Oxide for Selective Oxidative Dehydrogenation of Propane.” *ACS Catalysis* 13, no. 12: 8219–36 (June 16, 2023). <https://doi.org/10.1021/acscatal.3c01759>.

Toole, Justin R. (LTC), and Justin B. Sambur. “Anodic Dissolution Rates Accelerate with Decreasing MoS₂ Nanoflake Thickness.” *Journal of The Electrochemical Society* 170, no. 11: 116501 (November 1, 2023). <https://doi.org/10.1149/1945-7111/ad091a>.

Wagers, Mikaela L., Ashley Starks, Jeremy Nadolski, **Dr. Sonya M. Bierbower**, Sean Altenburg, Blake Schryer, and Robin L. Cooper. “Examining the effect of iron (Ferric) on physiological processes: invertebrate models.” *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology* 278: 109856 (April 1, 2024). <https://doi.org/10.1016/j.cbpc.2024.109856>.

Zhang, Felita W. (CDT ‘24), **CDT Paul D. Trackey ‘24**, **CDT Vani Verma ‘23**, **MAJ Galen T. Mandes**, **Rosemary L. Calabro**, **CDT Anthony W. Presot ‘25**, **Claire K. Tsay**, et al. “Cellulose Nanofiber–Alginate Biotemplated Cobalt Composite Multifunctional Aerogels for Energy Storage Electrodes.” *Gels* 9, no. 11: 893 (November 2023). <https://doi.org/10.3390/gels9110893>.

Department of Civil and Mechanical Engineering

COL Bret P. VanPoppel, Department Head

Glavin, Matthew (MAJ), **CPT Robert Hume**, **COL Scott Katalenich**, and **LTC William Graves**. “Leveraging the ASCE ExCEED Model to Design a Course on Sustainable Infrastructure Development.” Paper presented at the 2024 American Society for Engineering Education (ASEE) Annual Conference & Exposition, Portland, OR, June 23-26, 2024. <https://peer.asee.org/collections/2024-asee-annual-conference-exposition>.

Kipfmiller, Timmy (CDT ‘24), **CDT Alexander Tucker ‘24**, **CDT Charles Reeves ‘24**, **CDT Nicholas Parker ‘25**, and **COL Scott Katalenich**. “Integrating Professional Credentialing in Sustainability into Civil Engineering Curriculum: A Case Study.” Paper presented at the 2024 American Society for Engineering Education (ASEE) Annual Conference & Exposition, Portland, OR, June 23-26, 2024. <https://peer.asee.org/collections/2024-asee-annual-conference-exposition>.

Rocha, Brett and **COL Scott Katalenich**. “Application of Employee Appraisal Forms to Facilitate Assessment of Student Outcomes in the Engineering Capstone Course (Work-In-Progress).” Paper presented at the 2024 American Society for Engineering Education (ASEE) Annual Conference & Exposition, Portland, OR, June 23-26, 2024. <https://peer.asee.org/collections/2024-asee-annual-conference-exposition>.

Scruggs, Kevin, COL Scott Katalenich, and J. Ledlie Klosky. "Infrastructure Live! A Hands-On Electric Power Classroom Experience Requiring a Single Rolling Chalkboard." Paper presented at the 2024 American Society for Engineering Education (ASEE) Annual Conference & Exposition, Portland, OR, June 23-26, 2024. <https://peer.asee.org/collections/2024-asee-annual-conference-exposition>.

Steckenrider, J. Josiah, Mitchell Miller., Rory Blankenship, Victor Trujillo, and COL James Bluman. Lissajous curves as aerial search patterns. *Sci Rep* 14, 11144, May 2024. <https://doi.org/10.1038/s41598-024-60803-2>.

Department of Electrical Engineering and Computer Science COL James Raftery, Department Head

Kim, Grace, Dylan Green, and Dr. Suzanne J. Matthews. "Evaluating the Efficacy of Peer-Created Worked-Example Videos in a Computer Systems Course." *Journal of Computing Sciences in Colleges*, 39, 8: 83–97 (April 2024).

Rooney, Michael P. (CDT '24), Nakul Rao, Nicholas Liebers, Aaron St. Leger and Dr. Suzanne J. Matthews. "A Comparative Study of Programming Languages for a Real-Time Smart Grid Application," 2023 IEEE Green Energy and Smart Systems Conference (IGESSC), Long Beach, CA, USA, pp. 1-6. November 2023. <https://doi.org/10.1109/IGESSC59090.2023.10321761>.

Rao, Nakul (CDT '24), Nicholas Liebers, Aaron St. Leger and Dr. Suzanne J. Matthews. "Comparing the Performance of Numba and CUDA for Historical Analysis of Synchrophasor Data," 2024 IEEE Power & Energy Society Innovative Smart Grid Technologies Conference (ISGT), Washington, DC, USA, February 2024. <https://doi.org/10.1109/ISGT59692.2024.10454148>.

Shoop, Elizabeth, Richard Brown, Dr. Suzanne J. Matthews, and Joel C. Adams. "Interactive Textbooks for Parallel and D computing Across the Undergraduate CS Curriculum," in 2024 IEEE International Parallel and Distributed Processing Symposium Workshops (Edu Par'24), pp. 377–384, 2024. <https://doi.org/10.1109/IPDPSW63119.2024.00085>.

Song, Yukun, Parth Arora, Rajandeep Singh, Srikanth T. Varadharajan, COL Malcolm Haynes, and Thad Starner. "Going Blank Comfortably: Positioning Monocular Head-Worn Displays When They are Inactive." In Proceedings of the 2023 International Symposium on Wearable Computers, pp. 114-118, October 2023. <https://doi.org/10.1145/3594738.3611375>.

Toth, Peter (CDT '24), COL Thomas Babbitt, and Timothy Graziano. "Signals of Opportunity: Spoof Detection with Low-Cost Hardware and Edge Devices." In 2023 IEEE 14th Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (UEMCON), 0219–23. New York, NY, USA: IEEE, October 2023.
<https://doi.org/10.1109/UEMCON59035.2023.10316011>.

Department of English and Philosophy COL Chris Mayer, Acting Department Head

Parsons, Graham. "Combatants, Masculinity, and Just War Theory." *Journal of Ethics and Social Philosophy*, vol. 26 no. 2 pp. 267-97, December 2023. <https://doi.org/10.26556/jesp.v26i2.2653>.

Department of Foreign Languages COL John Baskerville, Department Head

For the time period, no works were submitted.

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

Callahan, Jennie L. (Dr.), COL Andrew R. Pfluger, Carolyn L. Coffey, Linda A. Figueroa, and Junko Munakata-Marr. "Performance analysis of three pilot-scale multicompartment anaerobic baffled reactors treating domestic wastewater at psychrophilic temperatures in Colorado." *Water Environment Research* 95, e10957, February 2024. <https://doi.org/10.1002/wer.10957>.

Dacunto, Philip (COL), CDT Stephanie Nam '23, CDT Mallory Hirn '22, MAJ Andrew Rodriguez, Dr. Mark Owkes, and COL(R) Mike Benson. "Classroom aerosol dispersion modeling: experimental assessment of a low-cost flow simulation tool." *Environmental Science: Processes and Impacts* 25, 2023: 2157-2166. <https://doi.org/10.1039/d3em00356f>.

Farnan, James, CPT Andrew Eck, Andrew Kearney, Frank Dorman, Hassan Ismail, Eric Chase, Xiaofeng Liu, Nathaniel Warner, and William Burgos. "Water Quality Impacts of Oil and Gas Produced Waters versus Commercial Dust Suppressants Applied to Gravel Roads." Presented at the Society of Environmental Toxicology and Chemistry (SETAC) North America 44th Annual Meeting, Virtual Poster Presentation, Louisville, KY, November 15, 2023.

- Farnan, James, **CPT Andrew Eck**, Andrew Kearney, Frank L. Dorman, Hassan Ismail, Eric Chase, Xiaofeng Liu, Nathaniel R. Warner, and William D. Burgos. "Oil and gas produced waters fail to meet beneficial reuse recommendations for use as dust suppressants." *Science of the Total Environment* 919: 170807 (2024). <https://doi.org/10.1016/j.scitotenv.2024.170807>.
- Fuhriman, Christopher (COL)**. "A Geographic Analysis of the Valley of Tears Battle, Yom Kippur War (1973)." Presented at the American Association of Geographers Annual Meeting, Paper Presentation, Honolulu, HI, April 16, 2024.
- Fuhriman, Christopher (COL)**. "A Geographic Analysis of Afghanistan's Shahi-kot Valley as a Safe Haven for Insurgency." Presented at the 15th International Conference on Military Geosciences, Paper Presentation, Somerset West, South Africa, June 10, 2024.
- Gao, Yifan, Minhao Xiao, Haiyuan Zou, Glenn Nurwono, **LTC David Zgonc**, Junyoung O. Park, Jens Blotevogel, Chong Liu, Eric M.V. Hoek, and Shaily Mahendra. "Enhanced Atrazine Degradation Using Laccase Immobilized on Arginine-Functionalized Boron Nitride Nanosheets." *ChemRxiv* (2024). <https://doi.org/10.26434/chemrxiv-2024-lqj0v>.
- Gramlich, Victoria (CPT), CPT Christiana Fairfield, MAJ Melissa Moorehouse, and COL(R) Mindy Kimball**. "Remote Sensing to Uncover Geoarchaeological Subsurface Historical Sites Using Ground Penetrating Radar: A Case Study of Fort Clinton at West Point, NY." *IGARSS 2023 - 2023 IEEE International Geoscience and Remote Sensing Symposium* (2023): 4344-4347. <https://doi.org/10.1109/IGARSS52108.2023.10282541>.
- Grimm, Taylor R., Amos Branch, Kyle A. Thompson, Andrew Salvesson, John Zhao, Darrell Johnson, Amanda S. Hering, and **Dr. Kathryn B. Newhart**. "Long-Term Statistical Process Monitoring of an Ultrafiltration Water Treatment Process." *Environmental Science & Technology Engineering, Articles* (2024). <https://doi.org/10.1021/acsestengg.4c00042>.
- Kelly, Carter (CPT), MAJ Alexander Pytlar, and CPT Victoria Gramlich**. "Teaching Spatial Thinking: Area Analysis with StoryMaps in Geography Classrooms." Presented at the ESRI Education Summit, Poster Presentation, San Diego, CA, July 2023.
- Kemper, John T., **LTC Richard Knox**, Muhammad Raffae, Evan Schulz, Ryan Bailey, Ryan R. Morrison, and Ellen Wohl. "Estimating catchment-scale sediment storage in a large River Basin, Colorado River, USA." *River Research and Applications*, (2024): 1-14. <https://doi.org/10.1002/rra.4300>.
- Kirkpatrick, Ryan (MAJ), and CPT Carter Kelly**. "Evaluating the Spatial Resolution of sUAS Sensors in Two and Three Dimensions." Presented at the Institute of Electrical and Electronics

Engineers (IEEE) 2023 International Geoscience and Remote Sensing Symposium (IGARSS), Poster Presentation, Pasadena, CA, July 19, 2023.

Knox, Richard (LTC). “Floodplain mapping and data resolution in the Colorado River Basin.” Presented at the American Association of Geographers Annual Meeting, Poster Presentation, Honolulu, HI, April 18, 2024.

Koban, Lauren (LTC). “The Environmental Consequences of War.” Interview with Jenny Shaw. *Integrated Environmental Assessment and Management Podcast*, Ep. 46, Podcast audio, November 8, 2023. <https://ieampodcast.com/2023/11/22/the-environmental-consequences-of-war/>.

Koban, Lauren A. (LTC), Tabitha King, Thomas B. Huff, Kirin E. Furst, T. Reid Nelson, **COL Andrew R. Pfluger**, Meghana Kuppa, and Amy E. Fowler. “Passive biomonitoring for Per- and Polyfluoroalkyl substances using invasive clams, *C. fluminea*.” *Journal of Hazardous Materials* 472, (2024): 134463 . <https://doi.org/10.1016/j.jhazmat.2024.134463>.

Krueger, Brett (MAJ), Anand Shetty, CDT David Esqueda '24, CDT Leah Bentley '25, CDT Jonathan Hooper '25, CDT Amelia Zumbuhl '25, Dr. Michael Butkus, and COL Andrew Pfluger. “Measuring Biomethane Potential of Food Scrap Waste Anaerobically Co-Digested with Waste-Activated Sludge Using Respirometry.” *Journal of Visualized Experiments* 206, (2024): e66485. <https://doi.org/10.3791/66485>.

Laughlin, Jordan (MAJ) and Dr. Matthew O'Banion. “Geovisualization Technology Options for Use in the Classroom.” *Surveying and Land Information Science Journal* 83, no. 1 (2024).

Linville, Chelsea (MAJ), Dr. Michael Butkus, CDT Elle Bennett '23, CDT Marley Wait '23, MAJ Alexander Pytlar, and COL Andrew Pfluger. “Energy Balances for Proposed Complete Full-Scale Anaerobic Wastewater Treatment Facilities.” *Environmental Engineering Science* 40, no. 11 (2023). <https://doi.org/10.1089/ees.2023.0076>.

Malinowski, Jon C. (Dr.). “Beyond the Gothic in West Point Architecture.” Presented at the American Association of Geographers Annual Meeting, Paper Presentation, Honolulu, HI, April 16, 2024.

Malinowski, Jon C. (Dr.). “Ghosts in the Landscape: The Challenges of Creating a Historical Atlas.” Presented at the Geography Awareness Week Colloquium, Invited Presentation, Villanova University, Villanova, PA, November 2023.

Malinowski, Jon C. (Dr.). *The West Point Landscape: 1802-1860*. West Point, NY: West Point Press. 2024.

- Mao, Ocean (CDT '25) and CPT Victoria Gramlich.** “Validating Ice Depth for Arctic Airborne Operations Using Terrestrial GPR.” Presented at the United States Geospatial Intelligence Foundation (USGIF) GEOINT Symposium, Poster Presentation, Kissimmee, FL, May 6, 2024.
- Moorehouse, Melissa A. (MAJ), John D. Baldwin, and Kristen Hart.** “Hawksbill and green turtle niche overlap in a marine protected area, US Virgin Islands.” *Endangered Species Research* 52, (2023): 265-283. <https://doi.org/10.3354/esr01276>.
- O'Banion, Matthew (Dr.), Dimitrios Bolkas, and MAJ Jordan Laughlin.** “Use of Head-Mounted VR for Differential Leveling Surveying Education.” Presented at the Surveying and Geomatics Educators Society (SAGES) Symposium, Oral Presentation, Calgary, Alberta, Canada, July 18, 2023.
- Pfluger, Andrew (COL), Dr. Rachel Sondheimer, COL Benjamin Wallen, and Dr. Aryn Pyke.** “Comprehensive Faculty Development for the Whole Student Approach to Higher Education: The Service Academy Model.” Presented at the Inter-University Seminar on Armed Forces and Society, Oral Presentation, Reston, VA, October 13, 2023.
- Pfluger, Andrew (COL), Dr. Jennie Callahan, David Esqueda (CDT '24), and Trenton Douthwaite (CDT '24).** “Advancing Energy Resilience through Demonstrating, Characterizing, and Modeling Anaerobic Co-digestion of Organic Wastes for Widespread Implementation on DoD Installations.” Presented at the Department of Defense Energy & Environment Innovation Symposium, Oral and Poster Presentation, Arlington, VA, November 29, 2023.
- Pfluger, Andrew (COL) and CDT Marley Wait '23.** “Resilience of wastewater treatment facilities to individual and compound stressors.” Presented at the Society for Risk Analysis Annual Meeting, Oral Presentation, Washington, DC, December 11, 2023.
- Pfluger, Andrew (COL).** “Anaerobic co-digestion of organic wastes at small-scale wastewater treatment plants for energy assurance and enhanced resilience.” Presented at American Chemical Society Spring Conference, Oral Presentation, New Orleans, LA, March 19, 2024.
- Quell, Kimberly, LTC Cristian Robbins, Dr. Kathryn Newhart, and COL Andrew Pfluger.** “A Summer Leader Experience for Rising High School Seniors – Integrating an Introduction to Environmental Science & Engineering.” Presented at the American Society of Engineering Education (ASEE) Annual Conference, Oral Presentation and Proceedings, Portland, OR, June 25, 2024.

- Read, Mark (COL).** “Environmental Security Revisited.” Presented at the American Association of Geographers Annual Meeting, Paper Presentation, Honolulu, HI, April 16, 2024.
- Read, Mark (COL).** “Environmental Security Revisited.” Presented at the 15th International Conference on Military Geosciences, Paper Presentation, Somerset West, South Africa, June 10, 2024.
- Shankar, Sripriya N., **MAJ William B. Vass**, John A. Lednicky, Tracey Logan, Rebecca L. Messcher, Arantzazu Eiguren-Fernandez, Stavros Amanatidis, Tara Sabo-Attwood, and Chang-Yu Wu. “The BioCascade-VIVAS system for collection and delivery of virus-laden size-fractionated airborne particles.” *Journal of Aerosol Science* 175, (2024): 106263. <https://doi.org/10.1016/j.jaerosci.2023.106263>.
- Sondheimer, Rachel (Dr.), COL Andrew Pfluger, COL Benjamin Wallen, and Dr. Aryn Pyke.** “The Role of Mentorship in Networked World: Recognizing the Move Away from a Hierarchical Model.” Presented at the Inter-University Seminar on Armed Forces and Society, Oral Presentation, Reston, VA, October 13, 2023.
- Starke, Jeffrey A. (COL/R), and Dr. Michael A. Butkus.** “Tell Us What You Think: Exploring Environmental Ethical Considerations in the Problem-Solving Studio.” *Journal of Civil Engineering Education* 150, no. 1 (2024). <https://doi.org/10.1061/JCEECD.EIENG-1893>.
- Thomas, Diana M. (Dr.),** Rob Knight, Jack A. Gilbert, Marilyn C. Cornelis, Marie G. Gantz, Kate Burdekin, Kevin Cumiskey, Susan C. J. Sumner, Wimal Pathmasiri, Edward Sazonov, Kelley Pettee Gabriel, Erin E. Dooley, Mark A. Green, **COL Andrew Pfluger**, and Samantha Kleinberg. “Transforming Big Data into AI-ready data for nutrition and obesity research.” *Obesity* 32, no. 5 (2024): 1-14. <https://doi.org/10.1002/oby.23989>
- Vass, William B. (MAJ),** Sripriya Nannu Shankar, John A. Lednicky, Yang Yang, Carlos Manzananas, Yuetong Zhang, Jessica Boyette, Jiayi Chen, Yuqiao Chen, Amin Shirkhani, Mo Washeem, Z. Hugh Fan, Arantzazu Eiguren-Fernandez, Antarpreet Jutla, and Chang-Yu Wu. “Detection and Isolation of Infectious SARS-CoV-2 Omicron Subvariants Collected from Residential Settings.” *Aerosol Science and Technology* 57, no. 11: 1142–53 <https://doi.org/10.1080/02786826.2023.2251537>
- Wallen, Benjamin (COL), Dr. Rachel Sondheimer, Dr. Aryn Pyke, and COL Andrew Pfluger.** “Inspiring Excellence in Teaching through Deliberate Faculty Development.” Presented at the International Symposium of Military Academies (ISOMA), Oral Presentation, Doha, Qatar, October 2-3, 2023.

- Wolfel, Richard (Dr.), CPT Christiana Fairfield, and Dr. Amy Richmond.** “They Didn’t Pave Paradise: Grassroots Urban Redevelopment in Switzerland.” Presented at the Annual Meeting of the Middle States Division of the Association of American Geographers, Oral Presentation, Philadelphia, PA, October 27, 2023.
- Wolfel, Richard (Dr.).** “Where did you hear that? Narrative Competition and Societal Instability in Burkina Faso.” Presented at the American Association of Geographers Annual Meeting, Paper Presentation, Honolulu, HI, April 16, 2024.
- Wright, William (COL), CPT Carter Kelly, Dr. Matthew O’Banion, and MAJ Ryan Kirkpatrick.** “Detection of Vegetation Height Using a Small Unmanned Aircraft System (sUAS) on Hawai’i.” Presented at the Institute of Electrical and Electronics Engineers (IEEE) 2023 International Geoscience and Remote Sensing Symposium (IGARSS), Poster Presentation, Pasadena, CA, July 19, 2023.
- Wu, Elizabeth (CDT ‘26).** “China in Burkina Faso.” Presented at the Annual Meeting of the Middle States Division of the Association of American Geographers, Oral Presentation, Philadelphia, PA, October 27, 2023.
- Wu, Elizabeth (CDT ‘26).** “China in Burkina Faso.” Presented at the Army Research Labs-United States Military Academy (ARL-USMA) Technical Symposium, Oral Presentation, Aberdeen Proving Grounds, MD, November 3, 2023.
- Zgonc, David (LTC), Pia Ramos, Yifan Gao, Eric M. V. Hoek, Jens Blotevogel, Anthony K. Rappé, and Shaily Mahendra.** “Hot Topic: Thermal Treatment of Per- and Polyfluoroalkyl Substances.” *Current Opinion in Chemical Engineering* 42: 100976 (2023). <https://doi.org/10.1016/j.coche.2023.100976>.
- Zhang, Yuetong, Sripriya Nannu Shankar, MAJ William B. Vass, John A. Lednický, Z. Hugh Fan, Duzgun Agdas, Robert Makuch, and Chang-Yu Wu.** “Air Change Rate and SARS-CoV-2 Exposure in Hospitals and Residences: A Meta-Analysis.” *Aerosol Science and Technology* 58, no. 3: 217–243 (2023). <https://doi.org/10.1080/02786826.2024.2312178>.

Department of History

COL Gail Yoshitani, Department Head

- Geheran, Michael (Dr.) and Dr. Mark Gagon.** “Not So Quiet on the Western Front: German Reactions to Netflix’s 2022 Remake.” *Central European History* 56, no. 4 (2023): 603-608. <https://doi.org/10.1017/S0008938923000869>.

Gibby, Bryan R. (COL). "The Korean War: A More Interesting Case of Civil-Military Relations," Civil Military Relations Center Conference on the All-volunteer Force at 50, 5-6 May 2023, US Army War College, Carlisle, PA.

Gibby, Bryan R. (COL). "National Policy and Military Strategy: The Korean War Case, July 1951 - December 1952."

Hamel, Michael C. (MAJ). "The Roussillon Campaign Of 1793-94: Spain's Lost Opportunity." *Age of Revolutions* (May 13, 2024). <https://ageofrevolutions.com/2024/05/13/the-roussillon-campaign-of-1793-94-spains-lost-opportunity/>.

McGovern, Rory (LTC), Makonen Campbell, and Louisa Koebrich. "I Hope to Have Justice Done Me or I Can't Get Along Here': James Webster Smith and West Point." *Journal of Military History* 87, no. 4: 964–1003 (October 2023).

Department of Law

COL Winston Williams, Department Head

Alcala, Ronald (LTC) and Hitoshi Nasu. The Protection of Nationals Abroad and Non-Combatant Evacuation Operations in Times of Crisis, *Journal of National Security Law & Policy*, 14, no. 1 (2024). <https://jnslp.com/2024/01/20/the-protection-of-nationals-abroad-and-non-combatant-evacuation-operations-in-times-of-crisis/>

Alcala, Ronald (LTC). "Caltrop: An Ancient Weapon in Modern Warfare," *Articles of War*, May 20, 2024. <https://lieber.westpoint.edu/caltrop-ancient-weapon-modern-warfare/>

Department of Mathematical Sciences

COL Michael Scioletti, Department Head

Kendall, Thomas P. (MAJ), Daniel T. Killian, and Matthew J. Koch. "Optimized Tactical Route Planning." *Military Operations Research Journal* 28, no. 4: 5-21 (2023). <https://www.mors.org/Publications/MOR-Journal/Search-Purchase-Issues/2023-MORS-Journal/BKctl/ViewDetails/SKU/MOR280405>.

O'Connor, Michael, MAJ Zachary Dugger, and MAJ Alexander Withenbury. "Modeling Terrain Effects on Non-Strategic Nuclear Weapons." Proceedings of the 2024 General Donald R. Keith Memorial Capstone Conference, May 2, 2024. https://www.ieworldconference.org/content/WP2024/Papers/GDRKMCC24_57.pdf.

Sherrell, James (CPT). "Transforming Multiplex Networks to Other Forms." Poster presented at NetSci 2024 International School and Conference on Network Science, Quebec City, CA, June 2024

Department of Physics and Nuclear Engineering COL John Hartke, Department Head

Boucher, Michael C., Peter Sun, Ivan Keresztes, **Lee E. Harrell**, John A. Marohn, "The Landau–Zener–Stückelberg–Majorana transition in the $T_2 \ll T_1$ limit", *Journal of Magnetic Resonance*, Volume 354, 2023. <https://doi.org/10.1016/j.jmr.2023.107523>.

Carberry, Kyle (MAJ), and Bojan Petrovic. "A Comprehensive Approach to Molten Salt Reactor Source Term Generation and Shielding Analyses." *Nuclear Technology* 210, no. 3: 409–35 (2024). <https://doi.org/10.1080/00295450.2023.2229181>.

Department of Social Sciences COL Suzanne Nielsen, Department Head

Becker, Jordan (COL). "Transatlantic Relations: Five Key Elements for the NATO Washington Summit." *The 2024 NATO Summit: Priorities for Transatlantic Security* 1, (2024): 7–19. <https://ies.lublin.pl/ies-policy-papers/pp2024-001/>.

Becker, Jordan (COL), Haemin Jee, Andreea Budeanu, Maxwell Love, and Seth Benson. *European Strategies in the Shadow of Sino-American Competition: A Text-as-Data Approach* - Conference Paper, United States Military Academy, West Point, 7 February 2024 <https://doi.org/10.2139/ssrn.4758032>.

Becker, Jordan (COL). "Pledge and Forget? Testing the Effects of NATO's Wales Pledge on Defense Investment." *International Studies Perspectives*, January 23, 2024. <https://doi.org/10.1093/isp/ekad027>.

Becker, Jordan (COL), **MAJ Joshua Woodaz**, and Wendy Anderson. "Strategy, technology, industry and politics: Challenges for the 21st Chairman of the Joint Chiefs of Staff." *Defence Studies*, 24(1), 107–113 (2024).

Becker, Jordan (COL), Seth Benson, John Paul Dunne, and Edmund Malesky "Disaggregated defense spending: Introduction to data." *Journal of Peace Research* (March 2024). <https://doi.org/10.1177/00223433231215785>.

Department of Systems Engineering

COL Julia Coxen, Department Head

Newhall, Tia, Dr. Suzanne J. Matthews, and Kevin C. Webb. "A Free Online Textbook Introducing Computer Architecture Topics." In Proceedings of the Workshop on Computer Architecture Education (WCAE '23). *Association for Computing Machinery*, New York, NY, USA, 1–8. <https://doi.org/10.1145/3605507.3610627>.

Dean's Staff

Seminelli, Heather and Lauren B. Dodd. "From Service Records to Special Collections: General and Specialized Military Resources." *What Can U.S. Government Information Do for Me?: Librarians Explain the Discovery and Use of Public Data, Documents, Maps and Images*, edited by Tom Diamond and Dominique Hallett. Jefferson, North Carolina: McFarland & Company, Inc., Publishers, 2023.

Department of Military Instruction

COL Mark D. Federovich, Department Head

For the time period, no works were submitted.

Department of Physical Education

COL Nicholas Gist, Master of the Sword

For the time period, no works were submitted.

Army Cyber Institute

COL Stephen Hamilton, Director

Benson, Seth P., and MAJ Iain J. Cruickshank. "Developing a Natural Language Understanding Model to Characterize Cable News Bias." *IEEE Access*, (2024). <https://doi.org/10.1109/ACCESS.2024.3369490>.

Berenbeim, Alexander M., MAJ Iain J. Cruickshank, Susmit Jha, Dr. Robert H. Thomson, and LTC Nathaniel D. Bastian. "Measuring classification decision certainty and doubt." arXiv preprint arXiv:2303.14568 (2023). <https://doi.org/10.48550/arXiv.2303.14568>.

- Bierbrauer, David A., Michael J. De Lucia, Krishna Reddy, **Dr. Paul Maxwell**, and **LTC Nathaniel D. Bastian**. "Transfer learning for raw network traffic detection," *Expert Systems with Applications*, 211, (2023). <https://doi.org/10.1016/j.eswa.2022.118641>.
- Chen, Jingdi, Lei Zhang, Joseph Riem, Gina Adam, **LTC Nathaniel D. Bastian**, and Tian. Lan, "RIDE: Real-time Intrusion Detection via Explainable Machine Learning Implemented in a Memristor Hardware Architecture," 2023 IEEE Conference on Dependable and Secure Computing (DSC), Tampa, FL, 2023. <https://doi.org/10.1109/DSC61021.2023.10354120>.
- Cruickshank, Iain (MAJ)**. "An AI-Ready Military Workforce." *Joint Force Quarterly*, no. 110 (July 2023). <https://ndupress.ndu.edu/JFQ/Joint-Force-Quarterly-110/Article/Article/3449468/an-ai-ready-military-workforce/>.
- Cruickshank, Iain (MAJ)**, **Dr. Robert Thomson**, and **LTC Nathaniel D. Bastian**. "Using Large Language Models for Social Cybersecurity Analyses." *Proceedings of the IDEaS Conference*, September 2023.
- Cruickshank, Iain J. (MAJ)**, **LTC Nathaniel D. Bastian**, **Dr. Jean RS Blair**, **COL Christa M. Chewar**, and **Dr. Edward Sobiesk**. "Seeing the Whole Elephant-A Comprehensive Framework for Data Education." *Proceedings of the 55th ACM Technical Symposium on Computer Science Education*, 1, (2024): 248-254. <https://doi.org/10.1145/3626252.3630922>.
- Cruickshank, Iain (MAJ)**, and **MAJ Shane Kohtz**. "Planning for AI Sustainment: A Methodology for Maintenance and Cost Management." *Proceedings of the 21st Annual Acquisitions Research Symposium*, May 8-10, 2024.
- Eerhart, Daniel (MAJ)**. "Free Speech is an Information Advantage." *Semi-Annual Lesson Report: Information Advantage in Peace and Security*, Peacekeeping and Stability Operations Institute (PKSOI) 28-31.
- Eerhart, Daniel (MAJ)**. "Training Outside 'The Box.'" *AUSA*, December 11, 2023. <https://www.ausa.org/publications/training-outside-box>.
- Eerhart, Daniel (MAJ)**. "Army Modernization and Spatial Computing," *AUSA Land Warfare Paper* 161, May 14, 2024. <https://www.ausa.org/publications/army-modernization-and-spatial-computing>.
- Farrukh, Yasir**, **Syed Wali**, **Irfan Khan**, and **LTC Nathaniel D. Bastian**. "SeNet-I: An Approach for Detecting Network Intrusions Through Serialized Network Traffic Images." *Engineering Applications of Artificial Intelligence*, 126(2023): 1-16. <https://doi.org/10.1016/j.engappai.2023.107169>

- Kloo, Ian, MAJ Iain J. Cruickshank,** and Kathleen M. Carley. "A Cross-Platform Topic Analysis of the Nazi Narrative on Twitter and Telegram during the 2022 Russian Invasion of Ukraine." *Proceedings of the International AAAI Conference on Web and Social Media*, 18, (2024): 839-850.
- Lentz, Kevin J., **LTC Jason C. Brown,** Kylie J. Heitzenrater, Akemi Hosoya, Rucker, and Kelli Sutton-Bosley. *Cyber Competition in the Indo-Pacific Gray Zone 2035*. West Point, NY: Army Cyber Institute, 2024.
- Mitchell, Thomas, Noah Sheffield, **Darius Richardson (CDT '24),** Benjamin Jensen, **Emily Nack, MAJ Iain Cruickshank, Dr. Robert Thomson,** and **LTC Nathaniel D. Bastian.** "An Analytic Framework for Assessing Artificial Intelligence and Assistive Automation Enabled Command and Control Decision Aids for Mission Effectiveness." *Proceedings of the Annual General Donald R. Keith Memorial Conference*—May 2023. <https://doi.org/10.37266/ISER.2023v11i1-2.pp1-8>.
- Schoenherr, Jordan Richard, and **Dr. Robert Thomson.** "When AI Fails, Who Do We Blame? Attributing Responsibility in Human-AI Interactions." *IEEE Transactions on Technology and Society* (2024). <https://doi.org/10.1109/TTS.2024.3370095>.
- Stocco, Andrea, Patrick Rice, **Dr. Robert Thomson.** et al. "An Integrated Computational Framework for the Neurobiology of Memory Based on the ACT-R Declarative Memory System." *Comput Brain Behav* 7, (2024): 129–149 <https://doi.org/10.1007/s42113-023-00189-y>.
- Thomson, Robert (Dr.),** Samer Al-Khateeb, Annetta Burger, Patrick Park, and **Dr. Aryn A. Pyke,** eds. "Social, Cultural, and Behavioral Modeling," 6th International Conference, SBP-BRiMS 2023, Pittsburgh, PA, USA, September 20–22, 2023, Proceedings. Vol. 14161. *Springer Nature*, 2023. <https://dl.acm.org/doi/proceedings/10.1007/978-3-031-43129-6>.
- Thomson, Robert H. (Dr.),** and **LTC Nathaniel D. Bastian.** "Integrating Cognitive Architectures with Foundation Models: Cognitively-Guided Few-Shot Learning to Support Trusted Artificial Intelligence." *Proceedings of the AAAI Symposium Series*, 2, no. 1, 409-414. <https://doi.org/10.1609/aaais.v2i1.27708>.
- Thomson, Robert H. (Dr.),** Edward Cranford, Sterling Somers, and Christian Lebiere. "A novel approach to intrusion detection using a cognitively inspired algorithm." Proceedings of the 57th Hawaii International Conference on System Sciences, 2024.

Character Integration Advisory Group

Dr. Jeffrey Peterson, Director

For the time period, no works were submitted.

Simon Center for Professional Military Ethics

COL James R. Yastrzemy

For the time period, no works were submitted.

SHARP Program Office

For the time period, no works were submitted.

Keller Army Community Hospital

For the time period, no works were submitted.

Call for Scholarship

The Celebration of West Point Scholars and Creators event honors members of the USMA community who have produced scholarly and creative works that have been accepted for peer-reviewed publication, exhibition, or other forms of public presentation.

Scholarly work may involve basic, applied, or pedagogical research that represents the intellectual work within a discipline. Such work should be peer-reviewed.

Creative work may involve original contributions in the fine, performing, literary, graphic, and digital arts. Such work should be accepted for exhibition or publication in appropriate professional venues.

Acceptable scholarly or creative work can take many forms. When presented, it should result in a product that reflects one's professional and academic expertise. Specifically,

- Work should contain novel knowledge or expression.
- Work should be peer-evaluated for quality.
- Work should be disseminated to the scholarly or artistic community.

Examples of acceptable scholarly work include, but may not be limited to original work in the following forms:

- Journal articles (peer-reviewed)
- White papers
- Books, book chapters
- Reports
- Invited speeches or lectures (if remarks are scholarly in nature)
- Conference proceedings
- Conference presentations, papers, posters
- Scholarly papers
- Maps
- Theses or dissertations

Examples of acceptable creative work include, but may not be limited to original work in the following forms:

- Poetry
- Film
- Literature
- Art
- Video and sound recording
- Photography

Examples of work that generally *does not* qualify for inclusion in the event, though may be eligible for deposit in [Athena](#) include material that:

- Lacks peer-review or is intended for a popular audience.
- Is opinion-based.
- Is a blog post, podcast episode, interview, or other more informal and generally non-sourced work.
- Is self-published.
- Is not substantively written or created by the author.
- Is official government work.
- Is developed solely for presentation at USMA Projects Day.