



A CELEBRATION OF WEST POINT AUTHORS

27 February 2017 at 1615

Haig Room

Jefferson Hall Library and Learning Center



A Celebration of West Point Authors

Today, we celebrate the more than 100 works of scholarship produced at the Academy between July and December 2016. In addition, we will hear four short excerpts of publications or presentations around the topic of security.

Welcome and Introduction

Christopher Barth
Librarian and Associate Dean

Dean's Remarks

BG Cindy Jebb
Dean of the Academic Board

Selected Speakers

- LTC Remi M. Hajjar, "Effectively Working with Military Linguists: Vital Intercultural Intermediaries."
- LTC Tanya Estes, LTC James Finocchiaro, Dr. Jean Blair, 2LT Johnathan Robison, 2LT Justin Dalme, 2LT Michael Eman, 2LT Luke Jenkins, and Dr. Edward Sobiesk. "A Capstone Design Project for Teaching Cybersecurity to Non-technical Users."
- Dr. Kenneth McDonald, 2LT Joshua Akers, 2LT Forrest Bartz, 2LT Daniel Beck, 2LT Israel Castro, and LTC Robert Prins, "Food Security Network Modeling."
- Dr. Robert Person, "Balance of Threat: The Domestic Insecurity of Vladimir Putin."

Light refreshments served following the program

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

Ender, Morten, CDT Danielle Nuskowski, CDT Charles Atkins, and CDT Emma Spell. "LGBT and what's the Q? Perspectives on Transgender Issues in the US Military." *Proceedings of the 2016 Inter-University Seminar on Armed Forces and Society Conference, Canada, Ottawa.* Ottawa: Inter-U Seminar, 2016.

Hajjar, LTC Remi. "Defining Success in the Military Advising Mission." *Proceedings of the 2016 Inter-University Seminar on Armed Forces and Society Conference, Canada, Ottawa.* Ottawa: Inter-U Seminar, 2016.

Hajjar, LTC Remi. "Defining Success in the Military Advising Mission." *Journal of Political and Military Sociology: An Annual Review* 44 (2016): 51-78.

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Department of Chemistry and Life Science COL Leon Robert, Department Head

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Kelly, Michael J. B., **MAJ Lucas B. Fallot,** Jeffrey L. Gustafson, and B. Mikael Bergdahl. "Water Mediated Wittig Reactions of Aldehydes in the Teaching Laboratory: Using Sodium Bicarbonate for the in Situ Formation of Stabilized Ylides." *Journal of Chemical Education* 93, no. 9 (July 18, 2016): 1631–1636. doi: 10.1021/acs.jchemed.6b00206

O'Donovan, Kevin J. "Intrinsic Axonal Growth and the Drive for Regeneration." *Frontiers in Neuroscience* 10 (October 27, 2016). doi: 10.3389/fnins.2016.00486.

Song, Hongjun, Jenna M. Rosano, Yi Wang, Charles J. Garson, Balabhaskar Prabhakarandian, Kapil Pant, George J. Klarmann, Alan Perantoni, **LTC Luis M. Alvarez** and Eva Laide. "Identification of Mesenchymal Stem Cell Differentiation State Using Dual-Micropore Microfluidic Impedance Flow Cytometry." *Analytical Methods - Royal Society of Chemistry*, no. 41 (2016): 7437–44. doi: 10.1039/C6AY01377E.

Department of Civil and Mechanical Engineering
COL Daisie D. Boettner, Department Head

Biering, MAJ Celio, COL Joe Hanus, and Rahul Verma. "Day In Court - Teaching Contract Disputes in Construction Management." *American Society for Engineering Education's 2016 National Conference*. New Orleans, LA: ASEE, 2016.

Biggerstaff, MAJ Adrian and COL Brad Wambeke. "Investigation of Probabilistic Multiple- Choice Assessments in a Structural Design Course." *American Society for Engineering Education's 2016 National Conference*. New Orleans, LA: ASEE, 2016.

Bruhl, LTC Jake, LTC Richard Gash, and MAJ William Pyant. "Help Me Help You: Educational Value, Perceived Usefulness, and Creativity of Student Generated Course Review Material." *American Society for Engineering Education's 2016 National Conference*. New Orleans, LA: ASEE, 2016.

Bruhl, LTC Jake, COL Joe Hanus, LTC Paul Moody, and Led Klosky. "Mosul Dam: A Study in Complex Engineering Problems." *American Society for Engineering Education's 2016 National Conference*. New Orleans, LA: ASEE, 2016.

Chewning-Kulick, CDT Travis, CDT Marvis Lewis, COL Michael Benson, LTC Joshua Keena, and LTC Matthew Posner (KACH). "Risk Assessment of Air Cannons at Sporting Events." *ASME International Mechanical Engineering Congress & Exposition*. Phoenix, AZ: ASME, 2016.

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Lanzi, MAJ Joseph T. (KACH), 2LT Justin Felix, MAJ Christopher J. Tucker (KACH), Kenneth L. Cameron, John Rogers, LTC Brett D. Owens (KACH), and COL Steven J. Svoboda (KACH). "Comparison of the Suture Anchor and Transosseous Techniques for Patellar Tendon Repair - May 13, 2016." *American Journal of Sports Medicine* 44, no. 8 (May 13, 2016): 2076–80. doi: 10.1177/0363546516643811.

Melnyk, LTC Rich, MAJ Drew Curriston, MAJ Brent Pafford, and CPT Dan Brown. "West Point's Academic Flight Program." *Army Aviation Association of America (AAAA)* 2016.

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Meyer, COL Fred. "What's Your Story: Connecting Teaching and Learning." Presentation at the *Fall Convention of the American Concrete Institute*, Philadelphia, PA, October 2016.

Novoselich, LTC Brian and David B. Knight. "Shared Leadership in Mechanical Engineering-Centric Capstone Design Teams: A Comparison of Military and Civilian Engineering Programs." *American Society for Engineering Education's 2016 National Conference*. New Orleans, LA: ASEE, 2016.

Spirnak, 2LT Jonathan, 2LT Marc Samland, 2LT Brant Tremont, 2LT Alfred McQuirter, CDT Elliott Williams, COL Mike Benson, COL Bret Van Poppel, Claire Verhulst, Christopher Elkins, Lauren Burton, John Eaton, and Mark Owkes. "Validation of Magnetic Resonance Thermometry Through Experimental and Computational Approaches." *52nd AIAA/SAE/ASEE Joint Propulsion Conference*. Salt Lake City, UT: American Institute of Aeronautics and Astronautics (AIAA), 2016. doi:10.2514/6.2016-4741.

Stache, CPT Jeremy, COL Brad Wambeke, and COL Joe Hanus. "Road Builders - Integrating Transportation and Construction Engineering Through Experiential Learning." *American Society for Engineering Education's 2016 National Conference*. New Orleans, LA: ASEE, 2016.

Williams, CDT Elliott, 2LT Jonathan Spirnak, COL Michael Benson, 2LT Marc Samland, 2LT Brant G. Tremont, 2LT Alfred L. McQuirter, COL Bret Van Poppel, and Claire M. Verhulst. "Magnetic Resonance Thermometry Experimental Setup: A Portable Heat Transfer Experiment." *ASME International Mechanical Engineering Congress & Exposition*. Phoenix, AZ: ASME, 2016.

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

- Arney, Chris, and 2LT Joseph Kozlak.** "Cyber War." Review of *Cyber War*, by Richard Clark and Robert Knake, *Cyber Defense Review* 1, no. 2 (2016): 125-127. <http://www.cyberdefensereview.org/wp-content/uploads/2016/10/CDR-FALL2016.pdf>.
- Arney, Chris, MAJ Natalie Vanatta (D/Math), and MAJ Thomas Nelson.** "Cyber Education via Mathematical Education." *Cyber Defense Review* 1, no. 2 (2016): 49-60.
- Burk, Rosemary A. and **Jan Kallberg.** "Bring on Cyber Attack – The Increased Predatory Power of the Restrained Red Queen in a Nation State Conflict." *Cyber Defense Review* 1, no. 2 (2016): 61-72.
- Estes, LTC Tanya, LTC James Finocchiaro, Jean Blair, 2LT Johnathan Robison, 2LT Justin Dalme, 2LT Michael Eman, 2LT Luke Jenkins, and Edward Sobiesk.** "A Capstone Design Project for Teaching Cybersecurity to Non-technical Users." *Association for Computing Machinery's 2016 Special Interest Group for Information Technology Education Conference*. Boston: IEEE, 2016. doi: 10.1109/LAWP.2015.2503264.
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**Department of English and Philosophy
COL David Harper, Department Head**

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**Department of Geography and Environmental Engineering
COL Wiley Thompson, Department Head**

- Butkus, Mike, LTC Jeff Starke, LTC Phil Dacunto, and Kim Quell.** "3D Visualization in Environmental Engineering Design Courses: If the Design Fits, Print It!" *American Society for Engineering Education's 2016 National Conference*. New Orleans, LA: ASEE, 2016. <https://www.asee.org/public/conferences/64/papers/14653/view>.
- Dacunto, LTC Phil.** "Academic 'Predestination': Does It Exist?" *American Society for Engineering Education's 2016 National Conference*. New Orleans, LA: ASEE, 2016. <https://www.asee.org/public/conferences/64/papers/14686/view>.
- Du, MAJ Ran, Mike Butkus, and LTC Jeff Starke.** "Incorporating Risk and Uncertainty into Undergraduate Environmental Engineering Curricula." *American Society for Engineering Education's 2016 National Conference*. New Orleans, LA: ASEE, 2016. <https://www.asee.org/public/conferences/64/papers/14702/view>.
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Department of Physics and Nuclear Engineering COL Edward Naessens, Department Head

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Department of Systems Engineering COL Robert Kewley, Department Head

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Call for Published Scholarship

The Office of the Dean and the USMA Library are continuing 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 January - 30 June 2017. Please submit your work to your library liaison listed below:

Behavioral Sciences and Leadership	Darrell Hankins
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	G. Corey Harmon
Law	Suzanne Christoff
Mathematical Sciences	Heather Seminelli
Physics and Nuclear Engineering	Elaine McConnell
Social Sciences	Michael Arden
Systems Engineering	Daniel Pritchard
Military Instruction	Daniel Pritchard
Physical Education	Celeste Evans
Center for Enhanced Performance	Karen Shea
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